



Happy New Year!

Volunteer Breakfast and Training

Sat, Feb 9, starting at 9 am
At the Butler County Engineers Office
1921 Fairgrove Ave, Hamilton, OH 45011 ([map](#))



It seemed like the signup genius worked for those who wanted to bring food to share, so I set it up again for this year. Please visit www.signupgenius.com/go/60b0e4eabab29a3fd0-training1 if you would like to bring items this year.

Bob will be making hot items again. If there is something that you really liked that he's made in the past, [let him know](#)...perhaps he'll make it again.

The plan is to go over any training items, hear a little about the data, and then learn from a speaker about this year's tshirt critter. Once again the tshirts have been designed by Chris Rowlands who hopes to join us. He'll have prints and cds with him if anyone is interested in purchasing items.

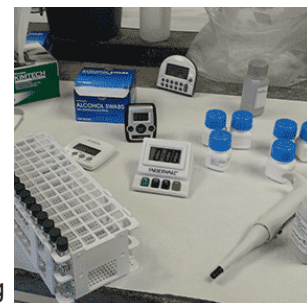
Lab Sign Up

I've set up the lab sign up again through Doodle, just like in past years.

<https://doodle.com/poll/rfkdvqgt4dz6bbq7>

Remember, if you sign up then find out you cannot make a date, please update the doodle signup. We limit the spaces each month to make sure we don't have you wasting your time and gas driving to the lab and finding

out there is nothing to do. However, if several of you sign up then don't show up, not only does it make us sad not to see your smiling face, but it leaves us short in the lab.



I know a few people have had some issues with doodle as our sign up site, however so far its still

holding up as the best option....unless someone knows of a better site/app....? If you find you cannot change a date from attending to not attending, [email me](#) and I'll try and fix it on my end.

We split it in to morning and afternoon shifts again as some of you have said that you'd like to sign up, but can't stay the full time. You can sign up for morning, afternoon, or both shifts.

New Volunteer Option **Sunday Bacteria Count**

This year, we are going to try something new....Sunday signup for helping Tera to count bacteria.

What: After 24 hours of incubating, bacteria changes the sample wells. These discolored sample wells need to be counted and agreed upon by two people. Yellow wells show total coliforms and wells that glow under UV light indicate the presence of E Coli.

When: The Sunday after sampling Saturday from 10:30 am - until finish which is typically between 1 & 2 pm.

Where: Stream Team Lab, Rm 7 in Shideler Hall

Who: We are seeking 1 volunteer a month to help with the bacteria count. If you sign up and cannot make it, please contact Tera to let her know. One of the grad students will act as back up.

Why; We are hoping to free up some time for the grad students so that they can do more work with the data.

Questions: [Contact Tera](#)

Signup: You can sign up online at <https://doodle.com/poll/h62cuxdbp5ytxwbk>



Seeking a Sampler in ***Wayne/Milford Twp***

Do you know anyone in the northern part of the county that would be willing and able to collect 3 samples in Wayne/Milford Twps? They could drop off at Barn n Bunk in Trenton or at the Shideler cooler in Oxford.

Locations are:

- Elk Creek at Cotton Run Rd
- Elk Creek at St Rt 503
- Seven Mile Creek at Hamilton Eaton Rd just north of Somerville Rd.



If you do know someone, [please send them my direction. Thanks, Lynn](#)



Conservation Movie Mondays

Butler SWCD is excited to offer a series of Conservation Movie Mondays! We are 'going on tour' and hosting movie nights at different locations around Butler County. Check [here](#) for the event flyer.

January 28th, 7 pm

'Return of the River'

Oxford - Shideler Hall, Room 053, Miami University

February 4th, 6:30 pm

'The Dust Bowl' Episode 1: The Great Plow Up

Reily - Reily Community Center, 6061 Reily Millville Rd

February 11th, 6:30 pm

'Living Soil'

Fairfield - Lane Public Library, 1485 Corydale Dr

March 4th, 6:30 pm

'Rancher Farmer Fisherman'

Madison Twp- Fire Station 153, 5655 Mosiman Rd, Middletown



Clean Sweep of the Great Miami

Thank you to everyone that managed to make it out in October for the annual river clean up event. Total numbers bring us to just under 10 tons of garbage and 265 tires!

A special shout out to Sharon Montano and her students from Riverview Elementary. This is the 2nd year that Sharon has taken her students out. They have been looking at the amount of materials that could have been recycled that ends up in the river.



Rain Barrel Art Project

School groups, professional artists and everyone in between are welcome to submit entries for the 2019 Rain Barrel Art Project. Entries are due by Jan 21, then a team will select the winning entries who will go on to paint their barrel. All barrels will be displayed at the Cincy Zoo from Apr 1- 25, then an auction will be held during the Zoo's Party for the Planet event on April 25. Auction proceeds will be split between water quality education and environmental education at the zoo.

Find out more and complete your entry at www.savelocalwaters.org/2019-project.html

Water Reporter App

I recently received this info due to my links with the Izaak Walton League and thought it may interest some of you.... As you may already be aware, the Environmental Protection Agency (EPA) unveiled a proposal to determine which streams will be protected from pollution by the Clean Water Act. The proposal would eliminate all federal protection (which in many states is the only protection) for streams that only flow after a rain or snow event. Some other streams that do not flow all year long would also lose protection, but it's not clear how many. **You can help by sharing a photo of a small stream or creek that is important to you.** We particularly want to see streams that do not flow 365 days a year, which are most at risk. If you don't know how often it flows, that's okay! Just let us know where it flows – like to the local reservoir, through your town park, or into a lake or river. To share your stream, simply **download the Water Reporter app (free in Google Play and Apple iTunes)**

and follow the steps in the graphic below.



Water News

EPA Uses Floating Vegetated Islands to Remove Excess Nutrients from Water

<https://www.epa.gov/sciencematters/epa-uses-floating-vegetated-islands-remove-excess-nutrients-water>

Streamside forests store tons of carbon

Researchers have compiled carbon storage data from 117 publications, reports, and other data sets on streamside forests around the world. Researchers found that the average amount of carbon stored in mature streamside forest rivals the highest estimates for any other forest type around the world, such as tropical or boreal forests.

<https://www.sciencedaily.com/releases/2018/11/181112133602.htm>

Saltier waterways are creating dangerous 'chemical cocktails'

New research suggests that saltier, more alkaline freshwater can release toxic metals and harmful nitrogen-containing compounds from streambeds and soils in drainage basins. The results further suggest that many of these chemicals travel together throughout watersheds, forming 'chemical cocktails' that can have more devastating effects on drinking water supplies and ecosystems when compared with individual contaminants alone.

<https://www.sciencedaily.com/releases/2018/12/181203080324.htm>

Hypoxic dead zones found in urban streams, not just at the coast

Erosion reshapes urban stream beds to become a series of hypoxia-prone pools

<https://www.sciencedaily.com/releases/2018/12/181211144644.htm>

The long dry: Why the world's water supply is shrinking

A global study has found a paradox: our water supplies are shrinking at the same time as climate change is generating more intense rain. And the culprit is the drying of soils, say researchers, pointing to a world where drought-like conditions will become the new normal, especially in regions that are already dry.

<https://www.sciencedaily.com/releases/2018/12/181213090004.htm>



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