

water matters

Cobb County Water System

Spring 2022

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A Solution to Everyday Pollution

Plastic bags, bottles, straws, cigarettes, disposable face masks, wipes, and gloves. These could easily be part of someone's shopping list, or it could be a list of items that are found in Cobb County's streams and storm drains. These, along with other contaminants such as pet waste, pesticides, fertilizers, and even paint, are often improperly disposed of and seem tossed on the pavement or roadside. Despite being left on the ground, these items can travel. Pushed by rainwater, these pollutants will continue their journey over impervious surfaces like streets and sidewalks until they reach a storm drain. Once there, they either pile up over the grates and can cause flooding, or slip into the open storm drain. Eventually, they end up in a local waterway where they disrupt the balance of stream ecosystems for flora and fauna alike. These examples are all sources of water pollution that are difficult to trace and control, known collectively as non-point source pollution. A solution to everyday examples of non-point source pollution is closer than you think!



Every year, residents across Cobb County participate in independent storm drain marking projects for their neighborhoods. Armed with blue aluminum markers, safety vests, and educational materials supplied by Cobb County Water System, volunteers are marking storm drains to make them more noticeable to the community. By doing this, volunteers place a lasting reminder of the connection between storm drains and our water resources. We want you to be involved too!



Independent storm drain marking projects are perfectly suited for a socially-distanced, outdoor volunteer opportunity. Storm drain marking projects can be done at a time convenient for your schedule. If you are looking to earn service hours, credit is recorded for the time needed for you to prepare your materials in addition to the time spent outdoors marking storm drains as well as distributing educational materials to homes. If your neighborhood is not marked, a project could be waiting for you right outside your doorstep. Whether you are part of an environmentally aware family, a member of an active HOA, a member of a volunteer organization, or part of a professional group looking to make a difference, a storm drain marking project is a great chance to contribute to the protection of our local waterways. For more information and to propose a storm drain marking project, please visit www.cobbcounty.org/stormdrainmarking.

Beneath the Leaf-Litter: Can Salamander Personality Influence Forest-Floor Dynamics?

Shaundon J.B. Moore; Kirsten E. Nicholson

September 2, 2021

Full study: <https://doi.org/10.1655/Herpetologica-D-19-00019.1>

What affect do wild animals have on their surrounding environment? This is a key question scientists have tried to answer for several decades. Through those many years of ecological research, we have learned a lot about the significance of animal diversity. It's something we even start learning about in elementary school. Every organism, no matter how big or small, has some influence on the structure of its own ecosystem. For an obvious example we can look at beavers, whose dam building behaviors have clear impacts on the environment. For a less obvious example we can look at land snails, whose calcium-filled shells prevent calcium deficiencies in the many bird species which eat them. It is the many differences between animal species (size, diet, behavior, coloration, etc.) which help determine what an ecosystem will look like.



However, what would happen if we studied the effects on the environment of differences within species instead of between species? Do animals within the same species not show variety still? Humans are one species... do we all not differ drastically in size, diet, behavior, and color? You can find abundant variation within many other animal species as well. And, if you can find these drastic differences among animals belonging to the same species, would that not have a further impact on the environment? If we go back to the beaver example, no beaver will behave the exact same way. Each beaver will build their dam somewhat differently, using different materials, and at different times of the year. Thus, theoretically, the real environmental impact of beaver dams is going to be dependent on the "personality" of the beaver building the dam. Can "animal personality" really have such an effect on the environment? That is the question I sought to answer in my thesis.

For my graduate study, I used Red-backed Salamanders as a model to test two questions:

- 1) Do personalities (i.e. significant behavioral differences between animals belonging to the same species) exist in salamanders?
- 2) If so, do these personalities change the impact of Red-backed Salamanders on their environment?



Question 1:

To answer the first question, I conducted a variety of behavioral tests on over 120 salamanders. I was specifically looking for behaviors related to aggression, fear, boldness, activity, and patience. **Using these tests, I was able to determine that Red-backed Salamanders do show significant differences in behavior (i.e. personalities), primarily activity.** Basically, some salamanders could be described as inactive or cautious, meaning that under normal conditions they preferred to remain hidden or immobile. The opposite group of salamanders could be described as active or bold, choosing to actively move and investigate their surroundings under normal conditions.

Question 2:

To answer the second question, I took salamanders from both behavioral groups (active and inactive) and placed them in simulated ecosystems for three months to see if they would have different impacts on the environment. Each simulated ecosystem was virtually identical, except for the type of salamander that was placed inside. **At the end of the experiment, we found that the food-webs within each simulated ecosystem had changed based on the type of salamander that was inside.** Specifically, the active/bold salamanders had a much stronger impact on food-web structure than the inactive shy/salamanders.

Although they were small scale experiments, my studies showed evidence to support that "animal personalities" do exist and can have significant impacts on the environment. The studies also bring up interesting questions about how other groups of animals, including mammals, birds, fish, and even insects, can have different effects on the environment due to personality as well.

Are you interested in amphibians? See our Seasonal Happenings section to learn about our upcoming amphibian workshops and hikes!

Watch Over Our Water

Written by Lisa Bullard

Illustrated by Xiao Xin

Earth has a water problem. People need water to live, but only a little of Earth's water is usable. How can you help? Join Trina in this bright and cheerful book as she learns how to care for Earth's water. This book reads like a fiction book, but side bar facts teach a variety of water conservation tips young readers can relate to and practice everyday. Watch Over Our Water is in the Planet Protectors series, part of the Cloverleaf Books™ collection, teaching children to reduce, reuse, recycle, and more. These nonfiction picture books feature kid-friendly text and illustrations to make learning fun!



ECOPEDIA

Sustainability focuses on meeting the needs of the present without compromising the ability of future generations to meet their needs. This principle does not just encompass the importance of harmony with the natural environment and resources. It also stresses the need for balance in social equity and economic development. The principle is often broken down into three pillars: economic, environmental, and social—also known informally as profits, planet, and people.



OBSERVATIONS

It is around this time of year where the familiar fragrance of magnolias fills the air. The magnolia tree has become a symbol of the South with their large, glossy leaves and perfumed flowers around every corner. They are favored by many not only because of their scent, but also the variety of foliage and bloom types. These fragrant flowers bloom in a variety of colors, and while some species bloom with the heat of the summer air, others can bloom towards the end of winter. So if you see or smell a magnolia bloom in the cold air, you will know that warmer days are just around the corner.



CONSERVATION TIP

Each year, April 22nd marks the observation of Earth Day, a day to demonstrate support for environmental protection. This year, make simple lifestyle changes to practice Earth Day conservation all year long!

- It's time to start plogging a.k.a. picking up trash while jogging! This is a fun and effective way to get a workout in while cleaning the community and helping keep pollution out of our streams.
- Plastic pollution is one of the most important environmental problems that we face today. [Calculate your personal plastic consumption](#), then use the tips to help break free from single-use plastics!
- Calculate your [Ecological Footprint](#) to measure how much nature we have and how much nature we use.
- How much water do you use? The [Water Calculator](#) estimates household water use, and compares your home to both a typical household and an efficient household in your zip/postal code. The calculator also estimates your carbon footprint from hot water consumption, and helps identify specific strategies for improving overall household water efficiency.
- Save the butterflies and bees! Help contribute to meaningful scientific research on pollinator populations by participating in the [Great Georgia Pollinator Census](#) on August 19th and 20th, 2022.
- Always read labels! Use environmentally-friendly, non-toxic cleaning products to avoid washing toxic chemicals down the drain!
- Integrate a simple act of green into your daily routine. Take a shorter shower and use a water-saving shower head.

For more ways you can make every day Earth Day, visit our website www.cobbstreams.org.

Simple Steps to Big Savings

Drip. Drip. Drip. The average American household wastes nearly 10,000 gallons each year from easy-to-fix water leaks—that's the amount of water needed to wash 300 loads of laundry. If that doesn't seem like a lot, consider that across the country, easy-to-fix household leaks can add up to nearly 1 trillion gallons of water lost every year.

That's why Cobb County Water System and the U.S. Environmental Protection Agency (EPA) are encouraging homeowners to find and fix leaks during the annual **Fix a Leak Week, March 14 - March 20, 2022**. Sponsored by EPA's WaterSense® program, Fix a Leak Week reminds homeowners of the easy steps they can take to help save water in their community now and for future generations.

Fixing household leaks not only saves water but reduces your water utility bill—by as much as 10 percent. Be for water and start saving today with three simple steps: Check. Twist. Replace.



Photo Credit: Scott Denny
<http://tinyurl.com/yta9gf3b>

1. Check

First, check your home for leaks. An easy way to start is to examine your winter water use. If it exceeds 12,000 gallons per month for a family of four, you probably have leaks. Walk around your home with eyes and ears open to find leaks, and don't forget to check pipes and outdoor spigots. You can also detect silent toilet leaks, a common water-wasting culprit, by adding a few drops of food coloring to the toilet tank and waiting 10 minutes before flushing. If any color appears in the bowl during that time, your toilet has a leak. Visit www.epa.gov/watersense for do-it-yourself repair tips or contact a licensed plumbing professional.

2. Twist

Apply pipe tape to be sure plumbing fixture connections are sealed tight and give leaking faucets and showerheads a firm twist with a wrench. If you can't stop those drops yourself, contact a licensed plumbing professional. For additional savings, twist a WaterSense labeled aerator onto each bathroom faucet to save water without noticing a difference in flow*. Faucet aerators cost a few dollars or less and can save a household more than 500 gallons each year—the amount of water it takes to shower 180 times!

3. Replace

If you just can't nip that drip, it may be time to replace the fixture. Look for WaterSense labeled models, which use at least 20 percent less water and are independently certified to perform as well or better than standard plumbing fixtures. Replacing an old, inefficient showerhead with a WaterSense labeled model will shrink your household's water footprint by 2,700 gallons annually while still letting you shower with power, thanks to EPA's efficiency and performance criteria. With less hot water passing through, WaterSense labeled showerheads can also save enough energy to power a television for a year.

*Because we want to ensure our water supply lasts for future generations, Cobb County Water System customers can order a free indoor efficiency kit that includes water-efficient fixtures that can easily be installed in your home to help you save water! Replacing an old high flow toilet? Apply for our toilet rebate program. To order your indoor efficiency kit or to find out if you qualify for the toilet rebate program, visit <https://www.cobbcounty.org/water/education/conservation>.



For additional resources to detect and chase down those leaks, check out our Water Conservation Factsheets at <https://tinyurl.com/CCWSfactsheets>, register for the upcoming Lunch & Learn on April 29th at www.cobbstreams.org/events, and check out our YouTube instructional videos on finding sneaky leaks and how to replace your toilet flapper at <https://tinyurl.com/2u36s6fa>.

Declared Water Restrictions Status:
No restrictions

Outdoor water use: Irrigation permitted daily before 10 AM and after 4 PM.

No restrictions on other outdoor water uses. Cobb Water encourages our customers to conserve water year round.

U.S. Drought Monitor: None

Rainfall Level: Above Normal

- 2022 Total: inches
- January-February Historical Average: 6.81 inches

Rainfall December - February 2021-22:

- December: 6.33 inches
- January: 5.17 inches
- February: inches

Allatoona's current level:
Below normal ranges

Chattahoochee River and tributaries:
At normal ranges

Lake Lanier:
At normal ranges

Stewardship Stars Excellence in Data Collection

The following volunteers have submitted data each month during the December, January, and February quarter:

Cobb PD Community Affairs Unit - Chemical Monitoring on Butler & Proctor Creeks
Cobb Progressives - Chemical & Bacterial Monitoring on Noonday Creek
Concord Woolen Mill - Chemical Monitoring on Nickajack Creek
Connie Ghosh - Chemical & Bacterial Monitoring on Rubes Creek
Ernstes - Chemical Monitoring on Ward Creek
Good Guy Greg - Chemical & Bacterial Monitoring in Proctor Watershed
Gramms Collins Gals - Chemical Monitoring in Willeo Watershed
Keep Smyrna Beautiful - Chemical Monitoring in Nickajack Watershed
Lakewood Colony - Chemical & Bacterial Monitoring in Rubes Watershed
Lassiter High School - Chemical Monitoring in Rubes Watershed
Ledbetter - Chemical & Bacterial Monitoring on Poplar Creek
Lesterosa - Chemical Monitoring in Nickajack Watershed
Pope High School - Chemical Monitoring in Sewell Mill Watershed
Richard's Creek - Chemical Monitoring in Allatoona Watershed
Sedalia Park Elementary School - Chemical Monitoring on Sope Creek
Sierra Club Centennial Group - Chemical, Bacterial, & Macro Monitoring in Rottenwood Watershed
Simon Locke - Chemical, Bacterial, & Habitat Monitoring on Butler & Proctor Creeks
Team Salty - Chemical Monitoring on Sope Creek
Village North Highlands - Chemical & Bacterial Monitoring in Willeo Watershed
Whitefield Academy - Chemical, Bacterial, Macro, & Habitat Monitoring on Nickajack Creek

Thank you for your hard work and dedication!

w e l c o m e

New Volunteer Groups

Fox Creek Drive in Raintree Forest Marietta
Chemical Monitoring in Willeo Watershed

Turkey Feather
Chemical & Visual Monitoring in Nickajack Watershed

Mighty Mustangs
Chemical & Bacterial Monitoring on Proctor Creek

Cobb PD Community Affairs Unit
Chemical Monitoring on Butler & Proctor Creeks



Interested in becoming an Adopt-A-Stream volunteer? Participate in one of our upcoming trainings to become certified.

March 7 • Bacterial Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Lab, 662 South Cobb Dr, Marietta

April 22 • Chemical Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Lab, 662 South Cobb Dr, Marietta

May 12 • Bacterial Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Lab, 662 South Cobb Dr, Marietta

Georgia Adopt-A-Stream is the state's volunteer water quality monitoring program. Since 1993, the program has engaged community scientists all across Georgia and beyond in water protection activities through a series of educational workshops, which train individuals on the physical, chemical, and biological health of their waterways. The Chemical Monitoring workshop is designed to teach volunteers about basic stream water chemistry and how to conduct the chemical tests using hand-held field equipment. The tests that volunteers are asked to conduct includes dissolved oxygen, conductivity, pH, and temperature. The Bacterial Monitoring workshop will teach volunteers how to monitor E. coli levels in their streams. E. coli is an indicator organism that is often used to assess the water quality. Monitoring levels of E. coli can help identify possible sources of pollution. This workshop will focus on proper collection of a water sample, transfer of sample onto plates that will be incubated, and proper interpretation of results. Both trainings consist of passing a written and hands-on test to be considered a QA/QC volunteer for one year. For more information or to register visit www.cobbstreams.org/events.

ANNOUNCEMENTS

Congratulations to the 2022 waterSmart waterArt Calendar Winners!

Cobb County middle school students were invited to use their talent and create a 2-D work of art that answered the question, "How is water important to me?" Submissions received from 8 schools provided excellent artwork to select 12 winners, including one selected as the calendar cover. Winning artwork was displayed in a virtual gallery, culminating with a virtual reception for the winners, unveiling of the 2022 calendar cover winner, and winning artwork displayed in the CCWS Customer Service building lobby. Congratulations to Anumita S., from Simpson Middle School on being selected as our cover winner! We would like to thank Barber Middle School, Dickerson Middle School, Hightower Trail Middle School, Lost Mountain Middle School, Lovinggood Middle School, McCleskey Middle School, Pine Mountain Middle School, and Simpson Middle School for their entries! To view the winning artwork, visit <https://tinyurl.com/2p9f9mpj>.



2021-22 Chattahoochee Challenge Update

The Chattahoochee Challenge is a volunteer competition to promote participation in service activities which improve water quality throughout Cobb County. So far, Chattahoochee Challenge participants have contributed over 110 hours of water related service project hours! Below is the current leaderboard as of January 2022:



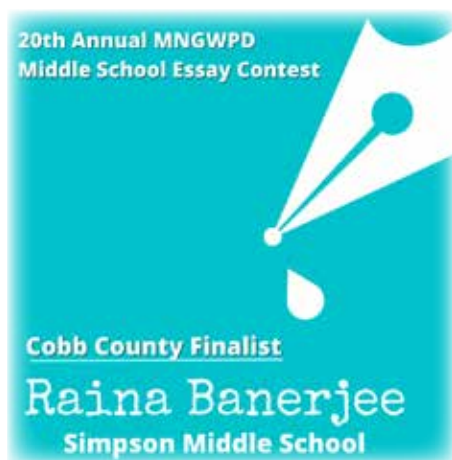
Pope High School
2016 Chattahoochee Challenge Winner

1st Place: Young Men's Service League (East Cobb Chapter)
2nd Place: North Cobb Greenhouse Gang
3rd Place: Lassiter HS Environmental Science Group

The group with the most volunteer service hours wins a free float trip on the Chattahoochee River with a National Park Service Ranger. There's still plenty of opportunities for other teams to catch up! Check out our Calendar of Events for upcoming service opportunities. Good luck to our competitors!



Osborne High School
2018 Chattahoochee Challenge Winner



Middle School Student Represents Cobb County in Annual Essay Contest

Raina Banerjee, a student at Simpson Middle School, is the Cobb County winner of the 20th annual Metropolitan North Georgia Water Planning District Middle School Essay Contest.

This year's contest asked students to watch Georgia Public Broadcasting's Georgia Water Live at www.gpb.org/water, and write a 300-500 word essay on one of two topics. Students could write an essay about an essential water career that was featured in Georgia Water Live, research the job, and describe why it's so important; or they could write an essay about why they think a clean, abundant water supply is essential for our metro Atlanta region and our state.

Raina's essay focused on Water Quality Specialists, a critical job role within the water industry. Raina, along with the finalist from 14 other metro Atlanta counties, were recognized in a press release by MNGWP here: www.northgeorgiawater.org/essay. Congratulations Raina!

Amphibian Monitoring Program

April 7 • Amphibian Monitoring Workshop • 6:00pm – 8:30pm • Cobb County Water Quality Lab, 662 South Cobb Dr, Marietta

May 5 • Amphibian Hike • 7:30pm – 8:30pm • Leone Hall Price Park, 4715 Stilesboro Rd, Kennesaw

May 27 • Amphibian Hike • 7:30pm – 8:30pm • Noonday Creek Trail, 1991 Vaughn Rd. NW, Kennesaw

Cobb County residents can be trained as Community Herpetologists and learn to identify frogs and toads by their habitat, morphology, and vocalizations. Certified monitors will be allowed to collect data on local amphibian populations and contribute to both regional and global studies of amphibian diversity. Amphibian walks give those who have participated in the amphibian monitoring workshops a chance to practice their identification skills.

Storm Drain Marking

March 5 • 10:00am – 12:00pm • The Retreat at Old Vinings Lake, 5375 Vinings Lake Ct SW, Mableton

May 31 • 6:00pm – 8:00pm • Halstead Lake Community, 2915 Steadman Valley SW, Marietta

During Storm Drain Marking events, you'll mark storm drains and distribute educational materials in the neighborhood. As you mark a storm drain, you will record the location on the provided map. All materials are provided to volunteers.



Rain Barrel Workshop

April 5 • 10:30am – 11:30am • Water System Wildlife & Rain Garden, 662 South Cobb Dr, Marietta

April 5 • 12:00pm – 1:00pm • Water System Wildlife & Rain Garden, 662 South Cobb Dr, Marietta

May 12 • 10:30am – 11:30am • Water System Wildlife & Rain Garden, 662 South Cobb Dr, Marietta

May 12 • 12:00pm – 1:00pm • Water System Wildlife & Rain Garden, 662 South Cobb Dr, Marietta

Cobb County Water System is again facilitating free community Rain Barrel Make & Take workshops. Workshops are held once a month from April to October, on various days and times. All workshops last one hour and are open to Cobb County residents only, allowing one barrel per household. The workshop includes information about installing and utilizing rain barrels, all the needed materials, and step-by-step instruction on how to build and assemble your barrel. Making the barrel is simple, and no experience is necessary. At the end of the workshop you will drive away with a ready-to-use 35-55 gallon rain barrel. Space is limited.



Fairy Habitat Workshop

April 8 • 10:00am – 12:00pm • Lost Mountain Park, 4845 Dallas Hwy, Powder Springs

Become a certified fairy habitat helper! Our youngest environmental stewards will have a chance to use natural materials to create shelters for fairies and other small creatures. Designed to foster a foundation of service, an appreciation for being outdoors, and a sense of wonder for the natural world, Cobb's Fairy Habitat Helpers is a youth service project that helps ensure all creatures have a healthy and secure place to call home.

Stream Cleanup

April 12 • 10:00am – 12:30pm • Rottenwood Creek

Help clean up Rottenwood Creek! We are partnering with Keep Marietta Beautiful to remove litter blown into the stream from nearby Interstate 75. We will provide you with trash bags, grabbers (litter sticks), safety vests, gloves, and data cards to record the debris we collect. Wear clothes that can get wet and sturdy closed-toed shoes. Exact meeting location will be sent after registration.



Outreach Volunteer Program

Our Outreach Volunteer Program provides water quality and pollution prevention education and training to local county residents, who then give back to the community by assisting with simple, hands-on programs at local community events. Our volunteers make a difference by helping community members understand the connection between their everyday behaviors and environmental health. Cohorts are trained each spring beginning in March. For more information visit www.tinyurl.com/cobbwateroutreach.

More information can be found on our calendar at www.cobbstreams.org.

Social distancing and masks required. Participant numbers limited.

Programs are subject to cancellation based on public health conditions.

Registrants will receive confirmations for all programs.

**Cobb County Water System
Communications & Education
662 South Cobb Drive
Marietta, Georgia 30060**



This is an official publication of the Cobb County Water System, an agency of the Cobb County Board of Commissioners.

Calendar of Events

March

- 3 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 5 Storm Drain Marking • 10:00am – 12:00pm • The Retreat at Old Vinings Lake Community
- 7 Adopt-A-Stream Bacterial Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Laboratory
- 10 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 17 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 18-20 Adopt-A-Stream Annual Conference • Unicoi State Park • Info & Registration at <https://adoptastream.georgia.gov/confluence-0>
- 24 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 25 Lunch & Learn: How to Determine the Health of Your Neighborhood Stream • 12:00pm – 12:45pm • Virtual through Cisco WebEx
- 26 Sweep the Hooch • 9:00am – 12:00pm • Info & Registration at <https://chattahoochee.org/sweep-the-hooch/>
- 31 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden

April

- 5 Rain Barrel Workshop • 10:30am – 11:30am • Cobb County Wildlife & Rain Garden
- 5 Rain Barrel Workshop • 12:00pm – 1:00pm • Cobb County Wildlife & Rain Garden
- 7 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 7 Amphibian Monitoring Workshop • 6:00pm – 8:30pm • Cobb County Water Quality Laboratory
- 8 Fairy Habitat Workshop • 10:00am – 12:00pm • Lost Mountain Park
- 12 Stream Cleanup • 10:00am – 12:30pm • Rottenwood Creek
- 22 Adopt-A-Stream Chemical Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Laboratory
- 23 Camp Puzzle • 10:00am – 2:00pm • Cobb County Safety Village <https://www.cobbcounty.org/public-safety/safety-village/camp-puzzle>
- 29 Lunch & Learn: Become a Leak Detective • 12:00pm – 12:45pm • Virtual through Cisco WebEx
- 29-May 2 Atlanta City Nature Challenge • Info & Registration <https://www.fernbankmuseum.org/AtlantaCNC>

May

- 5 Wildlife & Rain Garden Workday • 8:30am – 10:30am • Cobb County Wildlife & Rain Garden
- 5 Amphibian Hike • 7:30pm – 8:30pm • Leone Hall Price Park
- 12 Wildlife & Rain Garden Workday • 8:30am – 10:30am • Cobb County Wildlife & Rain Garden
- 12 Rain Barrel Workshop • 10:30am – 11:30am • Cobb County Water Quality Laboratory Wildlife & Rain Garden
- 12 Rain Barrel Workshop • 12:00pm – 1:00pm • Cobb County Water Quality Laboratory Wildlife & Rain Garden
- 12 Adopt-A-Stream Bacterial Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Laboratory
- 19 Wildlife & Rain Garden Workday • 8:30am – 10:30am • Cobb County Wildlife & Rain Garden
- 26 Wildlife & Rain Garden Workday • 8:30am – 10:30am • Cobb County Wildlife & Rain Garden
- 27 Lunch & Learn: Spring Irrigation Check-up • 12:00pm – 12:45pm • Virtual through Cisco WebEx
- 27 Amphibian Hike • 7:30pm – 8:30pm • Noonday Creek Trail, Kennesaw
- 31 Storm Drain Marking • 6:00pm – 8:00pm • Halstead Lake Community

Events in BLACK are Cobb County Water System events. More information can be found on our calendar at www.cobbstreams.org.