

# Water matters

Cobb County Water System

Spring 2021

Volume 18, Issue 2

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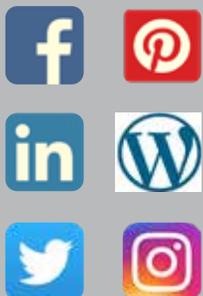
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## Join Our Outreach Volunteer Team!

A new year calls for new beginnings and new opportunities. Cobb Water is excited to announce the start of a new volunteer service and training opportunity. If one of your New Year's resolutions is to give back to the community in a meaningful way, jump into the opportunity to share your passion for water through our new Outreach Volunteer Program.

Through a series of six training workshops held from March to April, 2021, participants will become knowledgeable ambassadors of water to our community. The training workshops cover topics such as indoor and outdoor water conservation, the human water cycle, watersheds, household hazardous wastes, and FOG (fats, oils, and grease). In addition to a working knowledge, participants will expand their communication skills through hands-on demonstrations. After the training is complete, outreach volunteers commit to giving back at least 20 hours of service, working alongside Cobb Water staff members as they educate and interact with community members during public events.

Water is a vital resource that sustains us and is interwoven into our lives, from the water that runs from our faucets to the very clothes that we wear. We use it for our drinks and our food, our showers and baths, our gardens, and our swimming pools. We see it fall as rain from the sky, and we watch it flow in the Chattahoochee River. It is this presence in our daily lives that often deceives us into thinking that water is a never-ending and self-replenishing resource. It is not. Water is precious and finite, and we need everyday heroes to help protect it by spreading the critical message of water conservation and sustainable water practices in our Cobb County community. We look forward to meeting and serving our community alongside you.

To learn more or to get involved in the Outreach Volunteer Program, complete a volunteer application form on our website at [www.cobbstreams.org](http://www.cobbstreams.org), or email our coordinator directly at [Aminta.liu@cobbcounty.org](mailto:Aminta.liu@cobbcounty.org).



COVID-19 precautions will be in place during trainings and at any possible community events. Limited number of in-person training spots are available. Additional volunteers will participate in synchronous virtual training sessions. Social distancing and masks will be mandatory at trainings and community events. Community events may be limited or cancelled based on public health conditions.

# Glowing Amphibians Extremely Common

Lisa Winter

February 28, 2020

Article source: <https://www.the-scientist.com/news-opinion/glowing-amphibians-extremely-common-67204>

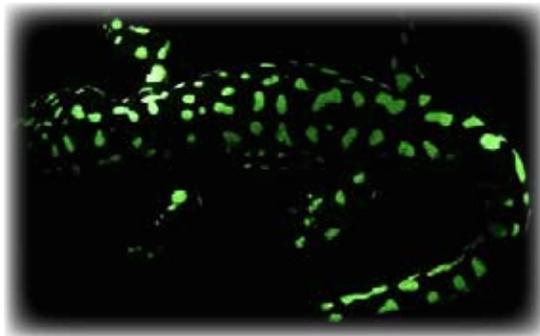
## A study of the animals using blue light reveals what humans are not able to see with the naked eye.

Dozens of salamanders and other amphibians are biofluorescent under blue light, according to a study published Thursday (February 27) in *Scientific Reports*. On land, blue light is common after the sun has set, which may explain why amphibians, particularly nocturnal ones, react to it.

Many land animals, such as penguins, some rodents, and some amphibians, are known to fluoresce under ultraviolet light (360–380 nm), but most species known to fluoresce under blue light (440–460 nm) are strictly aquatic animals such as fish and turtles, as that is the wavelength of light that cuts through water the most.

Two biologists from St. Cloud State University, Jennifer Lamb and Matthew Davis, had decided to expose salamanders they were studying to blue light and found that they lit up. To understand how widespread the trait may be, the team was granted access to the Shedd Aquarium in Chicago. Using a flashlight that shone blue light, they analyzed eight salamander families, five frog families, and one family of caecilians, which are limbless amphibians. They found that across the board, all of the animals glowed.

“That was a lot of fun,” Lamb tells *The New York Times*. “Basically a bunch of scientists running around after dark in an aquarium with a lot of bright lights and fancy goggles.”



Marbled Salamander when exposed to blue light.

There were variations of fluorescent patterning due to sex and age of the animal, they found.

“In some species, we do see differences in color patterns between males and females, so it could be related to reproduction,” Lamb explains to *New Scientist*. “In the loudness of a frog chorus, with hundreds calling at once, perhaps females could use the light to find a specific male when the audio signals aren’t helpful.”

The team also suggests that a better understanding of this process might help amphibian conservation efforts. Amphibians around the world are losing numbers rapidly due to habitat destruction, climate change, and a devastating chytrid fungus that has already factored into the extinction of 90 amphibious species.

Sources: <https://www.the-scientist.com/news-opinion/glowing-amphibians-extremely-common-67204>  
<https://www.nature.com/articles/s41598-020-59528-9>



Eastern Tiger Salamander  
Photo Credit: Alexas\_Fotos  
<https://tinyurl.com/1tw2tiqq>

Many of the animals lit up with a brilliant green, though some appeared more yellow. Some fluoresced from mucous discharge, urine, or, in the case of a few species, such as the marbled salamander (*Ambystoma opacum*), a faint glow actually came from the bones.

“There is still a lot out there that we don’t know,” Lamb tells the *Times*. “This opens up this whole window into the possibility that organisms that can see fluorescence—their world may look a lot different from ours.”

Because the trait is so widespread, it might have evolved early on in amphibians’ history. The exact function of this glowing has not been confirmed. The team hypothesizes in the paper that it could range from “communication, sexual selection, camouflage, and improved visual acuity to perhaps no function at all in some lineages.”

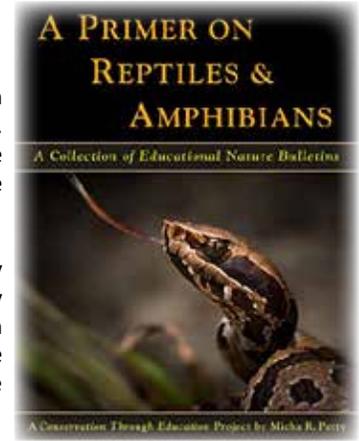
## A Primer on Reptiles & Amphibians: A Collection of Educational Nature Bulletins

Written by Micha Petty

"A Primer on Reptiles & Amphibians is an innovative educational resource designed to forge a connection between the reader and the creeping critters of the world. Turtles, frogs, lizards, salamanders, snakes, and crocodiles... these animals evoke fear and fascination. This primer dispels myths and unlocks mysteries surrounding these diverse survivors which have mastered virtually every habitat on Earth. Tragically, these animals now face pressures of unprecedented severity, but there is still time to make a difference if more of us work together.

Micha Petty is an international award-winning Master Naturalist and wildlife rehabilitator. This critically acclaimed debut volume is a collection of Micha's interpretive writings, carefully crafted to make learning easy for everyone. These bulletins display his passion for Conservation Through Education while covering topics such as living harmoniously with wildlife, physiology, natural history, observation, and conservation. Flip to any page to be instantly introduced to new facets of reptiles, amphibians, the perils they face, and how you can join the fight to save them!"

To download your free copy, visit <https://www.learnaboutcritters.org/>.



## River Rendezvous is on the Horizon

River Rendezvous is a one-day water quality sampling event conducted throughout the Rottenwood Creek Watershed. This event is sponsored by Cobb County Water System's Watershed Stewardship Program and planned in partnership with Sierra Club Centennial Group and Georgia Adopt-A-Stream. Cobb County WSP will be hosting our 12th monitoring event in June of 2021. Our goal is for seven teams to collect data at 24 sites in this watershed-wide sampling event.

Rottenwood Creek winds through Cobb County for six miles before entering the Chattahoochee River in the Chattahoochee River National Recreation Area. At its headwaters, near downtown Marietta, Rottenwood Creek is a small flowing stream, but near the confluence with the Chattahoochee River it is around 40' wide and 4-5' deep.

River Rendezvous helps to provide a snapshot of water quality throughout the entire watershed. The data generated from this event is used to evaluate the current state of the watershed, to educate community members, and to identify stream impairments often found in an urban setting. As with previous events, all problems are subsequently reported to the appropriate Cobb County or City of Marietta agency, typically Cobb Water's Stormwater, Environmental Compliance, or Code Enforcement. Staff appropriately follow-up all reported problems, mitigating further environmental damage and helping to improve water quality in Rottenwood Creek and the Chattahoochee River.



As a volunteer, River Rendezvous will begin at the Water Quality Lab for orientation. Volunteer groups will be staggered to provide social distancing in a health-safe manner. To ensure proper and representative data collection, event volunteers will be divided into sampling groups and led by a certified Georgia Adopt-A-Stream Chemical Monitoring Volunteer. After traveling to their assigned locations, groups collect data (air and water temperature, dissolved oxygen, pH, and samples for lab processing), photo document the site, pick up litter, and conduct a habitat assessment. Each group will complete these assessments at three sites in the Rottenwood Creek Watershed, all located near the Water Quality Lab. Volunteers are provided with test kits, sample bottles, maps, trash bags for site cleanup, and a camera to document their work.



The measurements taken during River Rendezvous are all critical factors in helping to determine the health of local streams and waterways. Water and air temperature affects the rate of biological and chemical processes. Every aquatic organism has set temperature ranges for their optimal health. For fish, the reproductive stages are the most sensitive to changes in temperature. Temperature also affects the oxygen levels in the water, metabolic rates of aquatic organisms, and the sensitivity of organisms to toxins in the water. Like us, aquatic organisms need oxygen for respiration, which is obtained through the oxygen dissolved in the water. Dissolved oxygen can be impacted by temperature, decaying organic material, or pollutants in the water. Testing pH measures the water's acidity. Changes in pH can affect egg hatchings, reduce abundance and diversity of aquatic organisms, impact sources of food, or make the water less habitable for aquatic life. Conductivity is the measure of the water's ability to pass an electrical current and can help detect various pollutant discharges in the stream. It indicates the presence of inorganic dissolved solids and is also naturally affected by the geology of the area where the water flows.

The River Rendezvous is a fun event for all ages. It is a great way to become more familiar with a watershed and help the community at large. We encourage you to join us in monitoring local waterways near your home and consider participating in this year's River Rendezvous event. **If you are interested in participating in our River Rendezvous, contact Mike Kahle at [michael.kahle@cobbcounty.org](mailto:michael.kahle@cobbcounty.org).**



March 15-21, 2021

Fix a Leak Week

During the week of March 15-21, Cobb County Water System will celebrate the 12th year of Fix a Leak Week! The Fix a Leak Week campaign was created in 2009 by the U.S. Environmental Protection Agency's WaterSense Program. WaterSense is a voluntary labeling program that encourages the development and use of water efficient products and services. Across the country, water utilities participate in this week-long campaign that helps water users save water by checking for and fixing leaks. When WaterSense discovered that nearly 1 trillion gallons of water leak annually from homes across the country, they decided to raise awareness of leaks by researching and creating educational materials that teach water users how to "nip the drip." Cobb County Water System was one of the first partners in promoting the inaugural Fix a Leak Week campaign by writing publications, teaching students how they can save water at home, and offering free water efficient showerheads and faucet aerators to customers.



Photo Credit: Brandon Shaw  
<https://tinyurl.com/4cenb8u3>

Common leaks found in the home, such as a dripping faucet, are easier to correct than you think. Through outreach events, social media, and free tool kits, Fix a Leak Week educates water users that they have the power to fix leaks.

For the past nine years, Cobb County Water System has celebrated Fix a Leak Week by partnering with the North Georgia Metropolitan Water Planning District to plan the Water Drop Dash 5K. In past years, when runners crossed the finish line they were invited to a Water Festival organized by regional Atlanta water utilities and local organizations. This festival celebrated Fix a Leak Week by hosting carnival games, giving away water-saving items, and distributing information on how to fix leaks at home. The Fix a Leak Week celebration, although missing the post race festival, will continue this year with the 9th Annual Water Drop Dash 5K. Runners are offered the option to participate in this race virtually, or in-person at the Chattahoochee Nature Center on Saturday, March 20th. The Chattahoochee Nature Center has mapped out a 5K course utilizing CNC's two miles of trails over their 127 acre campus. The race course is a trail run, which will include a couple of challenge hills. The race course is an easy-to-moderate course that comes complete with the usual hazards of trail running, such as tree roots and rocks. All COVID safety protocols and procedures for the CNC will be in place on the day of the race. Face masks will be required before and after running. The race will be run with multiple start waves to allow for minimal runners on the trail at one time to ensure social distancing measures and reduce overcrowding on the narrow portions of the trail.



The deadline for registering for both the virtual and in person Water Drop Dash is March 17th. To register for the race, visit <https://runsignup.com/waterdropdash2021>. Fix a Leak Week will be celebrated virtually all week on Cobb County Water System's social media. Follow us on our platforms to participate in educational and fun virtual activities to find leaks throughout your home.



Photo Credit: Scott Denny  
<http://tinyurl.com/ytg9qf3b>

Fix a Leak Week isn't the only time to check your home for leaks. The WaterSense Program created a simple three-word phrase to help you remember how to check for and fix leaks at any time of the year. **Check. Twist. Replace.** Check your toilet for leaks using food dye. Put a couple of drops in the tank, wait 15 minutes without flushing, and if the dye is visible in the toilet bowl, you have a leak. This common leak is typically caused by mineral build-up on your flapper or valve seal, or an eroded toilet flapper. A simple replacement of this part can help you save water. The next step is Twist. Twist and tighten plumbing connections to stop drips from your faucets. A leaky faucet that drips at the rate of one drip per second can waste more than 3,000 gallons per year. Wrap teflon thread tape around the threads of the aerator connection on your sink. This tape ensures a tight seal that protects against leaks once the aerator is twisted on. And, lastly, Replace. Replace old or broken water fixtures. Water fixtures on the market today, such as toilets and showerheads, are designed with water efficiency in mind. Investing in new fixtures ensures you will receive great performance from these products, and use less water. To learn more about Fix a Leak Week and WaterSense, visit [epa.gov/watersense](http://epa.gov/watersense).

Want to get in the Fix a Leak Week spirit? Take advantage of the free resources Cobb County Water provides to their customers. Cobb County Water 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. Join our Lunch & Learn on March 26, 12:00-12:45pm and learn how to become a leak detective inside your home. To order your indoor efficiency kit, find out if you qualify for the toilet rebate program, and to register for the upcoming Lunch & Learn, visit [cobbstreams.org](http://cobbstreams.org).

## COBB'S CLIMATE UPDATE

<p><b>Declared Water Restrictions Status:</b> No restrictions</p> <p><b>Outdoor water use:</b> Irrigation permitted daily before 10 AM and after 4 PM.</p> <p>No restrictions on other outdoor water uses. Cobb Water encourages our customers to conserve water year round.</p>	<p><b>U.S. Drought Monitor:</b> None</p> <p><b>Rainfall Level:</b> Above Normal</p> <ul style="list-style-type: none"> <li>• 2021 Total: 10.66 inches</li> <li>• January-February Historical Average: 6.81 inches</li> </ul> <p><b>Rainfall December - February 2020-21:</b></p> <ul style="list-style-type: none"> <li>• December: 3.92 inches</li> <li>• January: 6.17 inches</li> <li>• February: 4.50 inches</li> </ul>	<p><b>Allatoona's current level:</b> At normal ranges</p> <p><b>Chattahoochee River and tributaries:</b> At or above normal ranges</p> <p><b>Lake Lanier:</b> At normal ranges</p>
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## OBSERVATIONS

Wild turkeys live in forests across the country and are documented in 49 states. However, these large birds are rarely seen by humans given their elusive nature. If you're lucky, you might catch a glimpse of one of these birds running around Cobb County. In the early 1900's, America's turkeys almost went extinct from deforestation and over-hunting. Here in Georgia, the number of wild turkeys has increased to around 400,000 in 2020, up from only 17,000 in 1973. There's an impressive span of words used to refer to turkeys based on age and gender. Adult male turkeys are called toms, and females are called hens. Poults are very young birds, and adolescents are called jakes. In the forests of Georgia, wild turkeys spend 6 weeks in Spring laying and incubating their eggs in their nests located on the forest floor. Nesting on the ground exposes wild turkeys and their poults to predation and human disturbance. If you find a wild turkey nest, please leave it undisturbed.



Image Source: [tinyurl.com/3f5p85xt](http://tinyurl.com/3f5p85xt)

Source: <http://tinyurl.com/loatzeif>

## ECOPEDIA



Image Source: <https://tinyurl.com/dgc6t9co>

**Anthropogenic** effects, processes, objects, or materials are those relating to, or resulting from the influence of human beings on nature. If an item or task is man-made it is then anthropogenic. This includes changes we make to our environment, whether they are direct or indirect, such as climate changes, biodiversity loss, and mass extinction. Not all anthropogenic activities are negative, people's creations and actions can also sustain our environment and natural resources. Using solar energy, reusing and recycling our plastics and paper, and planting trees are all positive anthropogenic activities. We should all be aware of the daily impact we make as individuals. Fostering eco-friendly habits, such as recycling or saving water, can help sustain our natural resources.

Sources: <https://tinyurl.com/ybz8sf2b>

<https://www.merriam-webster.com/dictionary/anthropogenic>

## Stewardship Stars Excellence in Data Collection

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

- A Stultz** - Chemical Monitoring on Allatoona Creek
- Beving on Lake Allatoona** - Chemical & Bacterial Monitoring on Lake Allatoona
- Bushart** - Chemical Monitoring on Piney Grove Creek
- Cobb Progressives** - Chemical & Bacterial Monitoring in Noonday, Proctor, Lake Acworth Watersheds
- Dew Place** - Chemical & Bacterial Monitoring in Ward Watershed
- Friday** - Chemical & Bacterial Monitoring on Poplar Creek
- Friends of Mulberry Creek** - Chemical, Bacterial, & Macro Monitoring on Mulberry Creek
- Georgia Lake Monitoring** - Chemical Monitoring on Lake Acworth
- Grams Collins Gals** - Chemical Monitoring in Willeo Watershed
- Hannah H.** - Chemical Monitoring in Willeo Watershed
- Jeremy & Mike** - Chemical & Bacterial Monitoring in Allatoona and Butler Watersheds
- Kaeden H.** - Chemical & Bacterial Monitoring in Chattahoochee Watershed
- Keep Smyrna Beautiful** - Chemical Monitoring in Nickajack Watershed
- Lakewood Colony** - Chemical & Bacterial Monitoring in Rubes Watershed
- Lauren's Thalweg** - Chemical Monitoring in Allatoona Watershed
- Mud Creek Troccoli** - Chemical & Bacterial Monitoring on Mud Creek
- Pope High School** - Chemical Monitoring in Sewell Mill Watershed
- Richard's Creek** - Chemical Monitoring in Allatoona Watershed
- Sierra Club Centennial Group** - Chemical, Bacterial, & Macro Monitoring in Rottenwood Watershed
- Simon Locke** - Chemical, Bacterial, & Habitat Monitoring on Butler Creek
- Team Salty** - Chemical Monitoring on Sope Creek

**Thank you for your hard work and dedication!**

## w e l c o m e

### New Volunteer Groups

**Ernstes on Ward Creek**  
Chemical Monitoring on Ward Creek

**Good Guy Greg**  
Chemical Monitoring on Proctor Creek

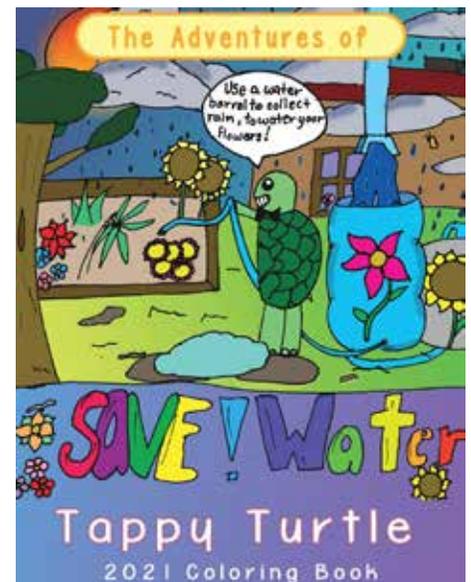
**Juston**  
Chemical Monitoring in Willeo Watershed

**Keaton's Water Quality Team**  
Chemical Monitoring on Little Allatoona Creek

**Next Generation Watershed**  
Chemical Monitoring on Gilmore Creek

### The Adventures of Tappy Turtle 2021 Coloring Book Winners!

Cobb County fourth and fifth graders were invited to draw Tappy Turtle, Cobb Water System's water conservation mascot, demonstrating water conservation tips. Almost 200 entries were submitted from Bells Ferry Elementary, Bullard Elementary, Compton Elementary, Green Acres Elementary, Mountain View Elementary, Pitner Elementary, Sanders Elementary, and Varner Elementary. The Adventures of Tappy Turtle 2021 coloring book will be distributed throughout the community and is available for free download at [www.cobbcounty.org/watersmart](http://www.cobbcounty.org/watersmart). Allison R., a fifth grader at Varner Elementary, was selected as the cover winner with the tip to "use rain barrels to collect water to use on plants instead of a hose." Congratulations to all the winners!



### ANNOUNCEMENTS

#### Annual Stewardship Fair Delayed

Cobb Watershed and Water Efficiency are fortunate to have such a dedicated group of volunteers, comprised of community members, partners, and community scientists. Typically, in the spring we gather for our annual Stewardship Fair, a reception that highlights the work and successes of these wonderful contributors. The Stewardship Fair provides us an opportunity to collectively show our gratitude to everyone who has participated and helped with our programs throughout the year. As in 2020, out of caution, we are sad to announce that our Stewardship Fair '21 will be suspended until it is safe.

We are proud to have such a devoted group of volunteers. Working with community members who give of themselves to enrich the common good of their community is truly an honor. We look forward to the day when we can gather again with camaraderie and smiles visible. If you are a current volunteer, we will keep you informed as our plans unfold for a rescheduled Stewardship Fair. We will continue to follow the safest recommendations during the pandemic as long as deemed necessary. If you are not yet volunteering with us, now is a great time to start! We are offering limited capacity and socially responsible opportunities for those who wish to provide volunteer service to their community. Check our calendar for opportunities.

**Wonder of Water Weekend**

**March 20 • Noonday Habitat Demonstration Site Workday • 9:00am – 10:30am • Bells Ferry Trailhead, 3001 Bells Ferry Rd NE, Marietta**

**March 20 • Storm Drain Marking • 11:00am – 1:00pm • Bells Ferry Trailhead, 3001 Bells Ferry Rd NE, Marietta**

**March 20 • Stream Cleanup • 1:30pm – 3:00pm • Bells Ferry Trailhead, 3001 Bells Ferry Rd NE, Marietta**

Wonder of Water Weekend is a statewide cooperative event in conjunction with the 2021 Georgia Adopt-A-Stream Confluence, Georgia’s official volunteer water quality monitoring program’s annual conference. This year’s state conference is virtual and free, with local coordinators around the state organizing opportunities for the community to be involved in helping their local watershed. This year, Cobb County Water System is hosting several events to honor the first ever Wonder of Water Weekend! We will offer water conservation giveaways at informational booths and opportunities to participate in service projects. Grab your masks and bring the family to our covid responsible Wonder of Water Weekend events!

**Storm Drain Marking**

**March 25 • 5:00pm – 7:00pm • 5083 Hiram Lithia Springs Rd SW, Powder Springs**

**April 24 • 10:00am – 12:00pm • Brookstone Subdivision, 5152 Camden Lake Pkwy NW, Acworth**

**May 6 • 5:00pm – 7:00pm • Paces Green Community, 1835 Tristan Dr SE, Smyrna**

During Storm Drain Marking events, you’ll mark storm drains and hang educational materials on neighborhood mailboxes. As you mark a storm drain, you will record the location on the provided map. All materials are provided to volunteer.



**Privet Pull Work Day**

**March 27 • 11:00am – 1:00pm • Heritage Park, 60 Fontaine Rd SW, Mableton**

Privet is a non-native, invasive plant that out-competes native species. We’ll be removing privet from the landscape. Join us to help restore habitat and native plant species. We will provide clippers and tools that pull the privet right out of the ground by its roots.



**Stream Cleanup**

**April 24 • 10:00am – 12:00pm • Tramore Park, 2150 East-West Connector, Austell**

**May 8 • 4:30pm – 6:30pm • Kemp Park, 4280 Burnt Hickory Rd NW, Marietta**

We will provide you with trash bags, grabbers (litter sticks), orange safety vests, blue latex gloves, and data cards to record the debris we collect. For the stream cleanups, wear clothes that can get wet and sturdy closed-toes shoes like tennis shoes or water shoes.

**Rain Barrel Workshop**

**April 6 • 9:00am – 10:00am • Water System Wildlife & Rain Garden**

**April 6 • 11:00am – 12:00pm • Water System Wildlife & Rain Garden**

**May 12 • 9:30am – 10:30am • Water System Wildlife & Rain Garden**

**May 12 • 11:30am – 12:30pm • Water System Wildlife & Rain Garden**

The Watershed Stewardship Program 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 House Workshop**

**April 16 • 11:00am - 1:00pm • Oregon Park, 145 Old Hamilton Rd, Marietta**

**June 15 • 10:00am - 12:00pm • Terrell Mill Park, 480 Terrell Mill Road SE, Marietta**

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 home place.



More information can be found on our calendar at [www.cobbstreams.org](http://www.cobbstreams.org).

Social distancing and masks required. Participant number limited.

Programs are subject to cancellation based on public health conditions.

Registrants will receive confirmations for all programs.



**Cobb County Water System  
Watershed Stewardship Program  
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**

- 4 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 5 Amphibian Monitoring Workshop • 5:30pm – 7:30pm • Cobb County Water Quality Laboratory
- 10 Adopt-A-Stream Chemical Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Laboratory
- 11 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 15-21 Georgia Adopt-A-Stream Confluence • Times vary • <https://adoptastream.georgia.gov/confluence-0>
- 20 Water Day Habitat Demo Workday • 9:00am – 10:30am • Noonday Creek Trailhead
- 20 Water Day Storm Drain Marking • 11:00am – 1:00pm • Noonday Creek Trailhead
- 20 Water Day Stream Cleanup • 1:30pm – 3:00pm • Noonday Creek Trailhead
- 25 Storm Drain Marking Event • 5:00pm – 7:00pm • 5083 Hiram Lithia Springs Rd SW, Powder Springs, GA 30127
- 26 Lunch & Learn: Become a Leak Detective • 12:00pm – 12:45pm • Virtual through Cisco WebEx
- 27 Sweep the Hooch • 9:00am – 12:00pm • Info & registration at <https://chattahoochee.org/sweep-the-hooch/>
- 27 Privet Pull Work Day • 11:00am – 1:00pm • Heritage Park

**April**

- 6 Rain Barrel Workshop • 9:00am – 10:00am • Cobb County Water Quality Laboratory Wildlife & Rain Garden
- 6 Rain Barrel Workshop • 11:00am – 12:00pm • Cobb County Water Quality Laboratory Wildlife & Rain Garden
- 10 Amphibian Monitoring Workshop • 3:00pm – 5:00pm • Cobb County Water Quality Laboratory
- 10 Amphibian Hike • 6:00pm – 8:00pm • Leone Hall Price Park
- 12 Our Stream Stories – Workshop Part 1: Using Photography for Storytelling • 7:00pm – 8:30pm • Webinar
- 14 Adopt-A-Stream Bacterial Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Laboratory
- 15 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 16 Fairy House Workshop • 11:00am – 1:00pm • Oregon Park
- 22 Wildlife & Rain Garden Workday • 9:00am – 11:00am • Cobb County Wildlife & Rain Garden
- 24 Storm Drain Marking Event • 10:00am – 12:00pm • 5152 Camden Lake Pkwy NW, Acworth, GA 30101
- 24 Stream Cleanup • 10:00am – 12:00pm • Olley Creek at Tramore Park
- 30 Lunch & Learn: City Nature Challenge • 12:00pm – 12:45pm • Virtual through Cisco WebEx

**May**

- 1 Spring BioBlitz • 11:00am – 1:00pm • Hyde Farm Park
- 6 Storm Drain Marking Event • 5:00pm – 7:00pm • 1835 Tristan Dr SE, Smyrna, GA 30080
- 6 Adopt-A-Stream Chemical Monitoring Workshop • 6:30pm – 9:00pm • Cobb County Water Quality Laboratory
- 8 Stream Cleanup • 4:30pm – 6:30pm • Allatoona Creek at Kemp Park
- 8 Amphibian Monitoring Workshop • 3:00pm – 5:00 pm • Cobb County Water Quality Laboratory
- 8 Amphibian Hike • 6:00pm – 8:00pm • Heritage Park
- 12 Rain Barrel Workshop • 9:30am – 10:30am • Cobb County Water Quality Laboratory Wildlife & Rain Garden
- 12 Rain Barrel Workshop • 11:30am – 12:30pm • Cobb County Water Quality Laboratory Wildlife & Rain Garden
- 17 Our Stream Stories – Workshop Part 2: Visual Storytelling Artist's Projects • 7:00pm – 8:30pm • Webinar
- 26 Amphibian Hike • 5:30pm – 7:30pm • Noonday Creek Trailhead
- 28 Lunch & Learn: Outdoor Water Assessment • 12:00pm – 12:45pm • Virtual through Cisco WebEx

Events in BLACK are Cobb County Water System events. More information can be found on our calendar at [www.cobbstreams.org](http://www.cobbstreams.org).