

# GEORGIA

## Adopt-A-Stream

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Harold Harbert and Kim Morris-Zarneke, Editors



### Who To Call?

Part of my job with the Georgia Wildlife Federation (GWF) is to monitor water quality in Newton County under the Adopt-A-Stream protocols and provide the tools and training to form a group called NOW (Newton's Own Water team). While having worked with the Georgia Adopt-A-Stream protocol for nearly nine years, I have often used the "Who to Call List" in my workshops. Recently I came across a situation where I was being tested.

Our group had already successfully stopped one infraction. While building a new pumping station for Newton County's Lake Varner reservoir, the subcontractor was working only a few feet away from the waters of the Alcovy River. One of our sharp-eyed GWF staff members saw what was happening and brought it to my attention. With a quick call to Newton County's Code Enforcement Office, a stop work order was threatened and immediately the BMP's were put in place. The "Who to Call List" worked.

A recent discovery brought an unexpected turn of events. A fishing buddy's brother living just inside Jasper County brought me a water sample from his newly built pond. Not being able to do a dissolved oxygen test, I ran only two tests on the water, nitrate nitrogen and orthophosphates. With a nitrate nitrogen level of 7 mg/l (normal conditions are below 1 mg/l) and orthophosphates at .5 mg/l (anything above .1 may lead to excess algal growth in streams and ponds), these numbers were surprisingly high and showed evidence of some unnatural conditions.



I encouraged the county resident to walk the stream to see if he could find anything that might be a source for the unusual conditions. Later that day the landowner walked the stream and found that an egg company had dug an open pit, filled it with discarded eggs and had also thrown chicken poop all around the area. Bingo! We had found the source, now the question was, who to call? I recommended that he call the EPD District Office and ask them for help. I was not prepared for their response. EPD would not get involved unless the nitrate nitrogen levels were over 10 mg/l. But good news, EPD does have an agreement with the Georgia Department of Agriculture to inspect large farm businesses for violations. The inspector from the Department of Agriculture was called, did an inspection the next day and the problem was solved before sunset that day. It was just a matter of knowing "Who To Call".

When large businesses dispose of their waste product, there are requirements to be met so that the local citizens and wildlife are not put at risk. If there is pollution being caused by nonpoint runoff, then it will likely be a local issue. Call your city or county enforcement office for assistance. If it is an agricultural problem, call the Georgia Department of Agriculture or the Georgia Soil and Water Conservation Commission. For forestry practices, call the Georgia Forestry Commission. If it is being caused by a point source problem under no local authority, call one of the EPD District Offices. And, most importantly, keep your local names and numbers up to date.

Article by Robert Phillips (pictured above) of Georgia Wildlife Federation – AAS local coordinator & trainer

Download the "Who to Call List" of State and Federal contacts at [www.riversalive.org/aas.htm](http://www.riversalive.org/aas.htm)

## What An INTOWN RAIN GARDEN Can Do

Intown Community Church ("Intown") is a Presbyterian Church located within the Metropolitan Atlanta area. Like most large urban cities, Atlanta's urban and suburban landscape is dominated by *impervious surfaces*, such as driveways, rooftops, parking lots and roads. These surfaces prevent rainwater from naturally seeping into the ground. *Stormwater runoff*, water that rushes off surfaces rather than seeping into the ground, causes many problems in storm drain systems, creeks, and rivers.

There are several techniques to mitigate problems caused by stormwater runoff. Several of these techniques function to hold runoff on the property where it is created. Rain gardens are one such technique.

### What is a rain garden and why create one?

A *rain garden* is a beautiful natural landscape feature that requires less maintenance and fewer chemicals than lawns. The rain garden holds water on the landscape so that it can be taken in by plants and slowly soak into the ground instead of flowing into the street or down a storm drain.

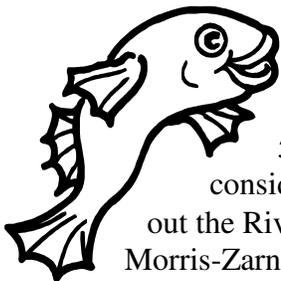


Through a grant provided by the Georgia Forestry Commission, a half dozen demonstration rain gardens are being installed throughout urban Georgia. To learn about the Intown rain garden or other demonstration sites, go to [www.riversalive.com/aas.htm](http://www.riversalive.com/aas.htm) and click on Life At The Water's Edge. On the left, volunteers begin the final phase of installing the Intown rain garden.

*Article submitted by Alice Miller Keyes, member of Intown Community Church.*

## Drink, Use, Protect...Cool Waters!

The Georgia Water & Pollution Control Association invites Georgia K-12 teachers to attend Cool Waters, a fun-filled, three-day water workshop being held June 7-9, 2005, at the Cobb County Water System's Water Quality Laboratory. All coursework materials, curricula, field trip transportation, continental breakfast, and lunch are included in the workshop registration fee of \$25.00. Numerous other water quality resources will be provided for all participants. Teachers will also earn two Professional Learning Unit credits (PLU's) for attending the workshop. Register online at [www.gwpca.org](http://www.gwpca.org) or call 770-794-5227 for more information. Workshop space is limited, so reserve your spot today!



**Rivers Alive 2005 is just around the corner...** Held throughout the Fall, Rivers Alive is organized by the **Georgia Adopt-A-Stream Program** and the **Keep Georgia Beautiful Program**. Last year, 23,000 volunteers collected over 590,000 pounds of garbage and cleaned over 1250 miles of waterways. Please consider organizing in a Rivers Alive cleanup event in 2005. To register your event check out the Rivers Alive website at [www.riversalive.org](http://www.riversalive.org) or for more information contact Kim Morris-Zarneke at 404-675-1636 or [kimberly\\_morris-zarneke@dnr.state.ga.us](mailto:kimberly_morris-zarneke@dnr.state.ga.us).

## Adopt-A-Stream Calendar of Events

The following workshops, taught by certified AAS trainers, provide training in visual, biological and chemical monitoring of streams. Teachers may receive 1 SDU credit for participating – please go to the AAS website under Teacher Corner for more details. Please call to register for a workshop.

<b>What</b>	<b>Who</b>	<b>When</b>	<b>Where</b>	<b>To Register</b>
Biological	Cobb County AAS	May 14	Cobb Co.	770-528-1480
Intro and Chemical	Savannah Riverkeeper	May 21	Savannah	706-364-5253
Intro and Chemical	Georgia AAS	May 26	Troop Co	404-675-1636
Biological	Savannah Riverkeeper	May 28	Savannah	706-364-5253
Intro & Chemical	DeKalb County AAS	June 11	DeKalb Co.	404-508-7602
Freshwater wetlands	Georgia AAS	June 11	Gwinnett Co	404-675-1636
Biological	Upper Etowah River Alliance	June 18	Forsyth Co.	770-355-6477
Intro, Biological & Chemical	Elachee Nature Center AAS	June 24-25	Gainesville	770-535-1976
Intro, Biological & Chemical	Georgia AAS	July 15-16	Coweta Co	404-675-1636
Intro/Visual	Upper Etowah River Alliance	June 16	Cherokee Co.	770-355-6477
Chemical	Upper Etowah River Alliance	July 23	Cherokee Co.	770-355-6477
Biological	Upper Etowah River Alliance	Aug 6	Cherokee Co.	770-355-6477
Intro, Biological & Chemical	Phinizy Swamp Adopt-A-Stream	Aug 25 & 27	Augusta	706-796-7707

**NOTE: Workshop times vary. Please call to get exact times and locations. Workshop information is updated weekly on our website at [www.riversalive.org/aas.htm](http://www.riversalive.org/aas.htm)**

**QA/QC Recertification:** All QA/QC volunteers must renew certification on a yearly basis. This can be accomplished by participating in the second half of our regular chemical or biological workshop. To register, please contact one of our scheduled workshops.

## Training Opportunities!

Join Georgia Project WET at the Newman Wetlands Center June 24-25 for **WOW! The Wonders of Wetlands** curriculum facilitator training. Participants will receive hands-on training on wetland activities and will become certified WOW! facilitators, able to hold educator workshops on the curriculum. Benefits include workshop materials, a WOW! The Wonders of Wetlands Curriculum Guide, a facilitator manual, a “wetland-in-a-pan” model, PLU credit, and great networking opportunities. Registration closes June 8.

Georgia Adopt-A-Stream and Georgia Project WET are teaming up to present **Healthy Water, Healthy People**, an exciting workshop opportunity to all volunteers and environmental educators! During this combined workshop at Charlie Elliot Wildlife Center August 5-7, participants will become **AAS trainers** and **Healthy Water, Healthy People facilitators**. Participants will receive the Healthy Water, Healthy People Educators Guide and Testing Kit Manual, a facilitator handbook, the Adopt-A-Stream Train-The-Trainer handbook, all AAS publications, plenty of networking opportunities, as well as PLU credit. Registration for this workshop closes on July 20, but there are financial incentives for early birds!

For more information or to register for the WOW! Wonders of Wetlands or Healthy Water, Healthy People workshop, please contact Jessica at [Jessica\\_Stelzner@dnr.state.ga.us](mailto:Jessica_Stelzner@dnr.state.ga.us) or (404) 362-6536.

## School Yard Ecology Course

The Oxford Institute for Environmental Education announces a summer course: Improving Science Education through School Yard Ecology, June 13-24. For more information please go to [www.emory.edu/OXFORD/Academics/oiee](http://www.emory.edu/OXFORD/Academics/oiee).

# Paddling Opportunities in Georgia

This summer, join fellow paddling enthusiasts for **Paddle Georgia**, a week-long, 110-mile canoe/kayak adventure on the Chattahoochee River from Buford Dam to Franklin and experience Georgia as you never have before with nature photographer Joe Cook.

This adventure includes:

- Daily paddle trips averaging 15 miles
- Nightly camping with meals, games, entertainment and educational programs
- Tours of nature centers, dams, power plants and water treatment facilities
- Companionship and camaraderie with dozens of fellow paddlers

The dates are June 25 - July 1. For details or to register please visit [www.garivers.org/paddlegeorgia/pghome.html](http://www.garivers.org/paddlegeorgia/pghome.html)



A kayaker drifts down the Chattahoochee in Heard County. Photograph by Joe Cook.

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## 3<sup>rd</sup> Annual Back to the Chattahoochee Race & Festival

Whether you're a novice or an expert, join the festival this June 4<sup>th</sup> for a canoe and kayak extravaganza. For more information or to register, go to [www.chattahoochee.org](http://www.chattahoochee.org).

The Georgia Adopt-A-Stream Newsletter is published six times per year. For more information about the Georgia Adopt-A-Stream program or to contribute to the newsletter, call or write to:

**Georgia Adopt-A-Stream  
Environmental Protection Division  
4220 International Parkway, Suite 101  
Atlanta, GA 30354  
(404) 675-1639 or 1636  
[www.riversalive.org/aas.htm](http://www.riversalive.org/aas.htm)**

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