Adopt-A-Stream Database
Who are we?

• Georgia Adopt-A-Stream
  – Housed in the Georgia Department of Natural Resources’ Environmental Protection Division
  – Funded through the 319(h) grant
Who are we?

– Unique Partnerships

• We have 2 State Coordinators

• 55 Local Coordinators
  – City & County Governments
  – Watershed Groups
  – Riverkeeper Organizations
Meeting our Needs

In 2006 ~ Launched the design phase of our new database

- From Static to Dynamic

- Designed to meet programmatic goals of our program
Programmatic Goals

To better meet the needs of our most vital partner, our local coordinators, we designed the database with their needs in mind.

- Ability to enter data on-line
- Easy access to data
- Methods to interpret data
- Methods to track volunteer numbers
- User Friendly
Programmatic Goals

To provide the ability for
on-line data entry
Click on a program below to visit each website

Georgia
Project WET
Water Education for Teachers

Georgia
River of Words
Environmental Poetry & Art Project

Georgia
Adopt-A-Stream
Volunteer Water Monitoring Program

Georgia
Rivers Alive
Volunteer Waterway Cleanups

Georgia Environmental Protection Division
Watershed Protection Branch

Outreach

The preparation of these websites was financed in part through a grant from the U.S. Environmental Protection Agency under provisions of Section 319(h) of the Federal Clean Water Act of 1987, as amended.
Announcements

Leap into Amphibian Monitoring with Georgia Adopt-A-Stream!

Images from Confluence

Get involved in E. coli bacteria monitoring

Currently active (4/12/2009 - 4/12/2019)
- 314 Sites
- 173 Groups
- 29 Watersheds
- 1717 Events

Database Totals
- 1299 Sites
- 931 Groups
- 10688 Events
- 12578 People

Newsletters
Jan-Feb 2010

Monday, April 12
View monthly calendar
Print

Saturday, April 24
9:00am Gwinnett County Chemical Monitoring

Saturday, May 1
9:00am Cherokee Co: UERA Biological monitoring
9:00am Columbia County Macro Biological Certification Class
9:00am South Fulton: Chemical Workshop & Introduction

Saturday, May 15
9:00am Summerville: AAS Chemical Monitoring Workshop

Saturday, May 29
Workshop Participants:

Look up:

New Contact

Location:

Date: [ ] (mm/dd/yyyy)

Duration: [ ] (minutes)
Our trainers have the ability to certify volunteers through workshops.

Tracks time spent during workshop.

- Allows
- Tracks time spent during workshop
- Allows trainer to choose workshop type

### Workshop Participants:

<table>
<thead>
<tr>
<th>#</th>
<th>Participant</th>
<th>Passed</th>
<th>Edit</th>
<th>Remove</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jane Ahn</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
<tr>
<td>2</td>
<td>Scotty Baidree</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
<tr>
<td>3</td>
<td>Bud Queen</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
<tr>
<td>4</td>
<td>Tara Bender</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
<tr>
<td>5</td>
<td>Harriet Anderson</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
<tr>
<td>6</td>
<td>Gus Barchers</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
<tr>
<td>7</td>
<td>Craig Burnside</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
<tr>
<td>8</td>
<td>Jennifer Aaronson</td>
<td>☑</td>
<td>edit</td>
<td>remove</td>
</tr>
</tbody>
</table>

### Trainers:

- Trainer 1: Allison Hughes (10164)
- Trainer 2:
- Trainer 3:
- Trainer 4:
- Trainer 5:

### Type of workshop:

- Chemical QA/QC
- Biological QA/QC
- Bacterial QA/QC
- Chemical Trainer
- Biological Trainer
- Bacterial Trainer
- Amphibian Monitoring
- Visual Stream Survey
- Getting Started
- Intro to Monitoring

### Location:

Atlanta, GA

### Date:

4/25/2010 (mm/dd/yyyy)

### Duration:

300 (minutes)
Coordinators have the ability to enter in new contacts.
Georgia Adopt-A-Stream
GEORGIA'S VOLUNTEER WATER QUALITY MONITORING PROGRAM

Images from Confluence

Get involved in E. coli bacteria monitoring

Currently active
(4/12/2009 - 4/12/2010)
314 Sites
173 Groups
29 Watersheds
1717 Events

Database Totals
1298 Sites
931 Groups
10688 Events
12578 People

Newsletters
Jan-Feb 2010
Archived newsletters

Monday, April 12
View monthly calendar

Saturday, April 24
9:00am Gwinnett County Chemical Monitoring

Saturday, May 1
9:00am Cherokee Co: UERA Biological monitoring
9:00am Columbia County Macro Biological Certification Class

Show active sites within the past year
Sites with 5 or more events are green.

Terrain
Only volunteers who have participated in an AAS workshop may register a group or site.

**Sign in**

E-mail address: 
Password: 

[Sign in]  [E-mail my password]

Your **E-mail address** is the address we have on file.

- **If this is your first visit, or if you’ve forgotten your password:**
  Enter your e-mail address and click **E-mail my password**. Your password will be sent to you immediately. If you don’t see it, be sure to check your Junk Mail or Spam folder.

- **Do you get an "Unknown e-mail address" warning?**
  Contact your [local Adopt-A-Stream Coordinator](#), who can help you register.

- **Has your e-mail address changed?**
  Log in with your original address, and then make changes on the **People** screen. You’ll use your new e-mail address for future log ins.

The Adopt-A-Stream Database supports Internet Explorer, Firefox, Safari, Chrome, and Opera. If you’re using one of these browsers but still have problems with the program, [let us know](#).
**Group Information**

If this is an existing Adopt-A-Stream Group, select it from the AAS Group list.
Otherwise, enter your group's name in the New Group field.

- **AAS Group:**
- **New Group:**

**Site Information**

- **Georgia County:**
- **Georgia City:**

  - If the city isn't in the list, let us know.
  - If the site is outside city limits, enter Rural.

  If the site is not in Georgia, leave these fields blank, and enter the state, county, and city in the Site Description box.

- **Waterbody type:** (stream, wetland, or lake)
- **Waterbody name:**

  Locate your site on the map, or enter the Latitude/Longitude if known.

  You can enter decimal degrees or degrees minutes seconds. Use spaces to separate degrees, minutes, and seconds. Omit the negative sign in the longitude.

  - **Latitude:** +
  - **Longitude:** -

**Site Description:**

**Site Special Information:**
**GEORGIA ADOPT-A-STREAM**  
**Physical/Chemical/Bacterial Data Form**  
*To be conducted every month*

Use this form and the Adopt-A-Stream methods to record important information about the health of your stream. By keeping accurate and consistent records of your physical/chemical tests, you can document current conditions and changes in water quality.

### Site and Group Information
- **AAS Site ID:**
  - Enter the site number without the $-$, and select from the list.
  - Note that you must be a member of a group before you can submit data for its site.

### Event Date and Participants
- **Date:** (mm/dd/yyyy)  
- **Time:** (hh:mm am/pm)  
- **Time Spent Monitoring:** (minutes, do not include E. coli incubation time)
- **Picture/Photo Documentation:**  
  - Yes  
  - No

### Registered participants
- Enter one at a time, and select from the drop-down list. At least one must be QA/QC certified.

### Unregistered participants

### Rain in last 24 hours
- **Clear**  
- **Present conditions**
  - Heavy rain  
  - Steady rain  
  - Intermittent rain  
  - None  
  - Overcast  
  - Partly cloudy  
  - Clear/sunny

### Amount of rain, if known
- **_inches in last**  
- **_hours / _days**

### Basic Tests
<table>
<thead>
<tr>
<th>Sample 1</th>
<th>Sample 2</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Temperature</td>
<td>(°C)</td>
<td></td>
</tr>
<tr>
<td>Water Temperature</td>
<td>(°C)</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>(0 - 14)</td>
<td></td>
</tr>
<tr>
<td>Dissolved Oxygen</td>
<td>(mg/L or ppm)</td>
<td></td>
</tr>
<tr>
<td>Conductivity</td>
<td>(μS/cm)</td>
<td></td>
</tr>
</tbody>
</table>

### Advanced Tests
<table>
<thead>
<tr>
<th>Sample 1</th>
<th>Sample 2</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkalinity</td>
<td>(mg/L or ppm)</td>
<td></td>
</tr>
<tr>
<td>Nitrate-Nitrogen</td>
<td>(mg/L or ppm)</td>
<td></td>
</tr>
<tr>
<td>Ammonia-Nitrogen</td>
<td>(mg/L or ppm)</td>
<td></td>
</tr>
<tr>
<td>Ortho-phosphate</td>
<td>(mg/L or ppm)</td>
<td></td>
</tr>
</tbody>
</table>
Programmatic Goals

To Provide Easy Access to Data
And Create Methods to Interpret Data
McIntosh High School Adopt-A-Stream monitors:

- eleven sites in Upper Flint River watershed
- eleven sites in Fayette County

Group ID: AAS-G-714
Date of first monitoring event: 01/31/2004

Monday, April 12

Saturday, April 24
9:00am  Gwinnett County Chemical
9:00am  Cherokee Co: UERA Biotic
9:00am  Columbia County Macro Bacteria monitoring

Announcements:
Leap into Amphibian Monitoring with Georgia Adopt-A-Stream!
Images from Confluence
Get involved in E. coli bacteria monitoring

Sites

<table>
<thead>
<tr>
<th>#</th>
<th>Site ID</th>
<th>Waterbody Name</th>
<th>Events</th>
<th>Dates</th>
<th>Excel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S-523</td>
<td>Cherry Branch Creek</td>
<td>85</td>
<td>02/27/2004-01/23/2010</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>S-524</td>
<td>Kedron Creek</td>
<td>85</td>
<td>02/01/2004-01/03/2010</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>S-525</td>
<td>Flat Creek</td>
<td>82</td>
<td>03/06/2004-11/08/2009</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>S-526</td>
<td>Flat Creek</td>
<td>88</td>
<td>01/31/2004-02/07/2010</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>S-527</td>
<td>Flat Creek</td>
<td>87</td>
<td>03/03/2004-01/24/2010</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>S-528</td>
<td>Flat Creek</td>
<td>80</td>
<td>06/20/2004-12/12/2009</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>S-529</td>
<td>Line Creek</td>
<td>85</td>
<td>02/22/2004-11/01/2009</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>S-530</td>
<td>Tributary of Line Creek</td>
<td>19</td>
<td>02/01/2004-05/16/2005</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>S-533</td>
<td>Flat Creek</td>
<td>76</td>
<td>11/13/2004-01/24/2010</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>S-638</td>
<td>Flat Creek</td>
<td>65</td>
<td>10/01/2005-01/24/2010</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>S-639</td>
<td>Camp Creek</td>
<td>51</td>
<td>09/18/2005-12/20/2009</td>
<td></td>
</tr>
</tbody>
</table>

Total Monitoring Events: 1813
Cherry Branch Creek is one of eleven sites monitored by group McIntosh High School Adapt-A-Stream.

Cherry Branch Creek is located in Fayetteville, Fayette County, Georgia.

Its coordinates are +33.4055 latitude, -84.5816 longitude, placing it in the Upper Flint River watershed (HUC8: 03130005). It is 258 meters (848 feet) above sea level.

Site description: Cherry Branch Creek, a tributary of Flat Creek just north of the Tinsley Mill condo Rd.. Directions: Upstream from Lake Peachtree.

Special information: McIntosh High School monitoring site #4 and Peachtree City stormwater management monitoring site #20

This site has eighty-five recorded monitoring events.

Download to Excel
### G-714 McIntosh High School Adopt-A-Stream

**S-523 Cherry Branch Creek**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Time spent monitoring minutes</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
<td>16:30</td>
</tr>
<tr>
<td>Rain in past 24 hours</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Intermittent Rain</td>
<td>None</td>
<td>Heavy Rain</td>
<td>Heavy Rain</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Current conditions</td>
<td>Overcast</td>
<td>Overcast</td>
<td>Clear/Sunny</td>
<td>Overcast</td>
<td>Overcast</td>
<td>Clear/Sunny</td>
<td>Overcast</td>
<td>Overcast</td>
<td>Overcast</td>
<td>Clear/Sunny</td>
</tr>
<tr>
<td><strong>Water Temperature °C</strong></td>
<td>11</td>
<td>11</td>
<td>12</td>
<td>12</td>
<td>14</td>
<td>21</td>
<td>15</td>
<td>8.1</td>
<td>11.5</td>
<td></td>
</tr>
<tr>
<td><strong>Air Temperature °C</strong></td>
<td>15</td>
<td>14</td>
<td>15</td>
<td>15</td>
<td>17</td>
<td>24</td>
<td>19</td>
<td>5.2</td>
<td>12.5</td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>7.3</td>
<td>7.4</td>
<td>7.3</td>
<td>7.3</td>
<td>7.4</td>
<td>7.3</td>
<td>-</td>
<td>6</td>
<td>6.5</td>
<td>6.9</td>
</tr>
<tr>
<td><strong>Dissolved Oxygen mg/L</strong></td>
<td>8.7</td>
<td>8.6</td>
<td>8.5</td>
<td>8.7</td>
<td>8.4</td>
<td>8.8</td>
<td>-</td>
<td>7.9</td>
<td>9.5</td>
<td>9.5</td>
</tr>
<tr>
<td><strong>Conductivity µS/cm</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Settles Solids mg/L</strong></td>
<td>0</td>
<td>0</td>
<td>0.1</td>
<td>0</td>
<td>0.1</td>
<td>0.1</td>
<td>-</td>
<td>0.1</td>
<td>0</td>
<td>0.15</td>
</tr>
<tr>
<td><strong>Water Quality Index</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>15</td>
<td>-</td>
</tr>
</tbody>
</table>

**Event ID:**

- 2517
- 2518
- 2519
- 2520
- 2521
- 2522
- 2859
- 2858
- 2860
- 2861

---

**Graph:**

- **Dissolved Oxygen (4.4 - 11.1)**
### G-714 McIntosh High School Adopt-A-Stream S-523 Cherry Branch Creek

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Time spent monitoring</td>
<td>minutes</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Rain in past 24 hours</td>
<td>None</td>
<td>None</td>
<td>Heavy Rain</td>
<td>Heavy Rain</td>
<td>Heavy Rain</td>
<td>None</td>
<td>Steady Rain</td>
<td>Steady Rain</td>
</tr>
<tr>
<td>Current conditions</td>
<td>Clear/ Sunny</td>
<td>Clear/Sunny</td>
<td>Clear/Sunny</td>
<td>Intermittent Rain</td>
<td>Overcast</td>
<td>Clear/ Sunny</td>
<td>Overcast</td>
<td>Overcast</td>
</tr>
<tr>
<td>Water Temperature °C</td>
<td>22</td>
<td>24.75</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>Air Temperature °C</td>
<td>11.5</td>
<td>16</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>pH</td>
<td>6.9</td>
<td>6.2</td>
<td>6.4</td>
<td>6.4</td>
<td>6.4</td>
<td>6.4</td>
<td>6.4</td>
<td>6.4</td>
</tr>
<tr>
<td>Dissolved Oxygen mg/L</td>
<td>9.5</td>
<td>8.1</td>
<td>9.5</td>
<td>9.5</td>
<td>9.5</td>
<td>9.5</td>
<td>9.5</td>
<td>9.5</td>
</tr>
<tr>
<td>Conductivity µS/cm</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Settleable Solids mg/L</td>
<td>0.15</td>
<td>0.1</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td>Water Quality Index</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Event ID</td>
<td>2861</td>
<td>2862</td>
<td>2863</td>
<td>2864</td>
<td>3102</td>
<td>3103</td>
<td>3104</td>
<td>3239</td>
</tr>
</tbody>
</table>

**Graph:**

- **Dissolved Oxygen (4.4 - 11.1)**
- **Date Range:** 2/27/04 to 7/3/09
Watershed: Upper Chattahoochee River

<table>
<thead>
<tr>
<th>#</th>
<th>Group</th>
<th>ID</th>
<th>Events</th>
<th>Site Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A and E Investigators</td>
<td>S-332</td>
<td>3 events</td>
<td>Balus Creek</td>
</tr>
<tr>
<td>2</td>
<td>A and E Investigators</td>
<td>S-1248</td>
<td>3 events</td>
<td>Rockwood Creek</td>
</tr>
<tr>
<td>3</td>
<td>Arbor Montessori Middle School</td>
<td>S-720</td>
<td>4 events</td>
<td>Burnt Fork Creek</td>
</tr>
<tr>
<td>4</td>
<td>Atlanta Rowing Club</td>
<td>S-22</td>
<td>12 events</td>
<td>Chattahoochee River Tributary</td>
</tr>
<tr>
<td>5</td>
<td>Atlanta Sierra Club</td>
<td>S-1410</td>
<td>6 events</td>
<td>South Fork Peachtree Creek</td>
</tr>
<tr>
<td>6</td>
<td>Atlanta Woman's Club</td>
<td>S-1350</td>
<td>6 events</td>
<td>Tributary of Big Creek</td>
</tr>
<tr>
<td>7</td>
<td>Barnard</td>
<td>S-1420</td>
<td>4 events</td>
<td>River Glen neighborhood lake by community pool</td>
</tr>
</tbody>
</table>

479 monitoring events

Averages per month

- **Dissolved Oxygen**
  - 2009-Apr to 2010-Apr

- **pH**
  - 2009-Apr to 2010-Apr

- **Nitrate Nitrogen**
  - 2009-Apr to 2010-Apr

- **Ortho-phosphate**
  - 2009-Apr to 2010-March

- **Settleable Solids**
  - 2009-Apr to 2010-March

- **Total Alkalinity**
  - 2009-Apr to 2010-March
Programmatic Goals

To Provide Methods to Track Volunteer Efforts
Monthly/Yearly Summaries

Select a Region or County: Cobb County

Cobb Summary:

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>71</td>
<td>96</td>
<td>66</td>
<td>10</td>
<td>24</td>
<td>57</td>
<td>50</td>
</tr>
<tr>
<td>2004</td>
<td>52</td>
<td>50</td>
<td>46</td>
<td>57</td>
<td>37</td>
<td>46</td>
<td>68</td>
</tr>
<tr>
<td>2005</td>
<td>52</td>
<td>24</td>
<td>54</td>
<td>24</td>
<td>68</td>
<td>88</td>
<td>10</td>
</tr>
<tr>
<td>2006</td>
<td>46</td>
<td>88</td>
<td>160</td>
<td>68</td>
<td>67</td>
<td>89</td>
<td>32</td>
</tr>
<tr>
<td>2007</td>
<td>163</td>
<td>173</td>
<td>226</td>
<td>66</td>
<td>50</td>
<td>95</td>
<td>78</td>
</tr>
<tr>
<td>2008</td>
<td>82</td>
<td>146</td>
<td>164</td>
<td>171</td>
<td>43</td>
<td>44</td>
<td>44</td>
</tr>
<tr>
<td>2009</td>
<td>124</td>
<td>153</td>
<td>155</td>
<td>104</td>
<td>50</td>
<td>101</td>
<td>43</td>
</tr>
<tr>
<td>2010</td>
<td>276</td>
<td>169</td>
<td>144</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Volunteer hours for chemical and biological events are calculated as follows:

\[
\text{Volunteer hours} = \text{Volunteer time} \times \text{Events} \times \text{Event participants} \times \text{New sites}
\]

Unregistered participants are excluded, because they could be anything from "Murphy the Dog" to "4th Period Class."

Workshop durations are required, but they haven't always been. For workshops conducted previously, we assume these defaults:

- Getting Started: 2 hrs
- Visual Stream Survey: 2 hrs
- Biological QA/QC: 5 hrs
- Biological Trainer: 5 hrs
- Chemical QA/QC: 3 hrs
- Chemical Trainer: 5 hrs

Finally, Workshop Trainer hours are calculated at 1.5 times the workshop duration, to account for preparation time.
Monthly/Yearly Summaries

Select a Region or County: Cobb County

Cobb Summary:

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>74</td>
<td>96</td>
<td>66</td>
<td>11</td>
<td>24</td>
<td>57</td>
<td>50</td>
<td>14</td>
<td>79</td>
<td>150</td>
<td>18</td>
<td>20</td>
<td>655</td>
</tr>
<tr>
<td>2004</td>
<td>52</td>
<td>50</td>
<td>46</td>
<td>57</td>
<td>37</td>
<td>46</td>
<td>68</td>
<td>31</td>
<td>50</td>
<td>46</td>
<td>73</td>
<td>38</td>
<td>562</td>
</tr>
<tr>
<td>2005</td>
<td>52</td>
<td>24</td>
<td>54</td>
<td>24</td>
<td>68</td>
<td>88</td>
<td>10</td>
<td>17</td>
<td>194</td>
<td>73</td>
<td>136</td>
<td>88</td>
<td>828</td>
</tr>
<tr>
<td>2006</td>
<td>46</td>
<td>68</td>
<td>150</td>
<td>58</td>
<td>67</td>
<td>69</td>
<td>32</td>
<td>42</td>
<td>130</td>
<td>94</td>
<td>124</td>
<td>84</td>
<td>964</td>
</tr>
<tr>
<td>2007</td>
<td>163</td>
<td>173</td>
<td>226</td>
<td>68</td>
<td>50</td>
<td>85</td>
<td>78</td>
<td>294</td>
<td>452</td>
<td>384</td>
<td>226</td>
<td>150</td>
<td>2367</td>
</tr>
<tr>
<td>2008</td>
<td>82</td>
<td>146</td>
<td>164</td>
<td>171</td>
<td>137</td>
<td>43</td>
<td>357</td>
<td>114</td>
<td>208</td>
<td>366</td>
<td>184</td>
<td>150</td>
<td>2016</td>
</tr>
<tr>
<td>2009</td>
<td>124</td>
<td>193</td>
<td>195</td>
<td>104</td>
<td>50</td>
<td>101</td>
<td>43</td>
<td>215</td>
<td>843</td>
<td>376</td>
<td>394</td>
<td>197</td>
<td>2835</td>
</tr>
<tr>
<td>2010</td>
<td>276</td>
<td>169</td>
<td>144</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>604</td>
</tr>
</tbody>
</table>

Volunteer hours for chemical and biological events are calculated as follows:

- **Time** = Time Spent Monitoring if listed on the form; else 60 minutes if Chemical, 120 minutes if Biological.
- **Participants** = Number of participants if listed on the form; else the number of registered participants entered on the form.
- **Volunteer hours** = **Time** × **Participants**

Unregistered participants are excluded, because they could be anything from "Murphy the Dog" to "4th Period Class."

Workshop durations are required, but they haven't always been. For workshops conducted previously, we assume these defaults:

- Getting Started: 2 hrs
- Visual Stream Survey: 2 hrs
- Biological QA/QC: 5 hrs
- Biological Trainer: 5 hrs
- Chemical QA/QC: 3 hrs
- Chemical Trainer: 5 hrs

Finally, Workshop Trainer hours are calculated at 1.5 times the workshop duration, to account for preparation time.
### Monthly/Yearly Summaries

Select a Region or County: Cobb County

#### Cobb Summary:

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>1745</td>
<td>2321</td>
<td>1725</td>
<td>202</td>
<td>490</td>
<td>1375</td>
<td>1774</td>
<td>264</td>
<td>1811</td>
<td>3615</td>
<td>648</td>
<td>409</td>
<td>16399</td>
</tr>
<tr>
<td>2004</td>
<td>1231</td>
<td>1396</td>
<td>1139</td>
<td>1077</td>
<td>1204</td>
<td>1343</td>
<td>2006</td>
<td>1259</td>
<td>655</td>
<td>729</td>
<td>1036</td>
<td>1130</td>
<td>14195</td>
</tr>
<tr>
<td>2005</td>
<td>1231</td>
<td>661</td>
<td>1121</td>
<td>661</td>
<td>1414</td>
<td>2311</td>
<td>192</td>
<td>344</td>
<td>3891</td>
<td>1506</td>
<td>3156</td>
<td>1920</td>
<td>18418</td>
</tr>
<tr>
<td>2006</td>
<td>932</td>
<td>1936</td>
<td>3621</td>
<td>1478</td>
<td>1566</td>
<td>2830</td>
<td>928</td>
<td>1053</td>
<td>3180</td>
<td>2032</td>
<td>2794</td>
<td>1725</td>
<td>24075</td>
</tr>
<tr>
<td>2007</td>
<td>3402</td>
<td>3610</td>
<td>4915</td>
<td>1515</td>
<td>1016</td>
<td>3101</td>
<td>1832</td>
<td>5026</td>
<td>8944</td>
<td>7910</td>
<td>4934</td>
<td>3142</td>
<td>50347</td>
</tr>
<tr>
<td>2008</td>
<td>1684</td>
<td>3085</td>
<td>1960</td>
<td>3959</td>
<td>2954</td>
<td>996</td>
<td>1076</td>
<td>14178</td>
<td>2338</td>
<td>4308</td>
<td>12293</td>
<td>3834</td>
<td>54025</td>
</tr>
<tr>
<td>2009</td>
<td>3322</td>
<td>4734</td>
<td>5284</td>
<td>2114</td>
<td>1016</td>
<td>6939</td>
<td>1542</td>
<td>5014</td>
<td>17789</td>
<td>8500</td>
<td>8503</td>
<td>4159</td>
<td>66926</td>
</tr>
<tr>
<td>2010</td>
<td>5530</td>
<td>3536</td>
<td>2724</td>
<td>298</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12088</td>
</tr>
</tbody>
</table>

Volunteer dollars are calculated at $20.25/hour for volunteers and $23.30/hour for workshop trainers. Trainers are considered "volunteers" when participating in monitoring events.

See Volunteer Hours for the calculation of hours.

- This data can be used in...
- Annual Reports • Grant Applications • In-kind Matches
For Georgia Adopt-A-Stream, the creation of our database is a Success Story because….
The database was launched in 2007