



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.



Georgia Adopt-A-Stream

GEORGIA'S VOLUNTEER WATER QUALITY MONITORING PROGRAM



- [Adopt-A-Stream](#)
- [Get Involved](#)
- [Groups](#)
- [Sites](#)
- [People](#)
- [Data Views](#)
- [Forms & Reports](#)
- [Materials & Resources](#)
- [Teacher's Corner](#)
- [Contact us](#)
- [Sign in](#)



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 - 4/12/2010)

- 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](#)

[Print](#)

Saturday, April 24

9:00am Gwinnett County Chemical Monitoring

Saturday, May 1

9:00am Cherokee Co: UERA Biological monitoring

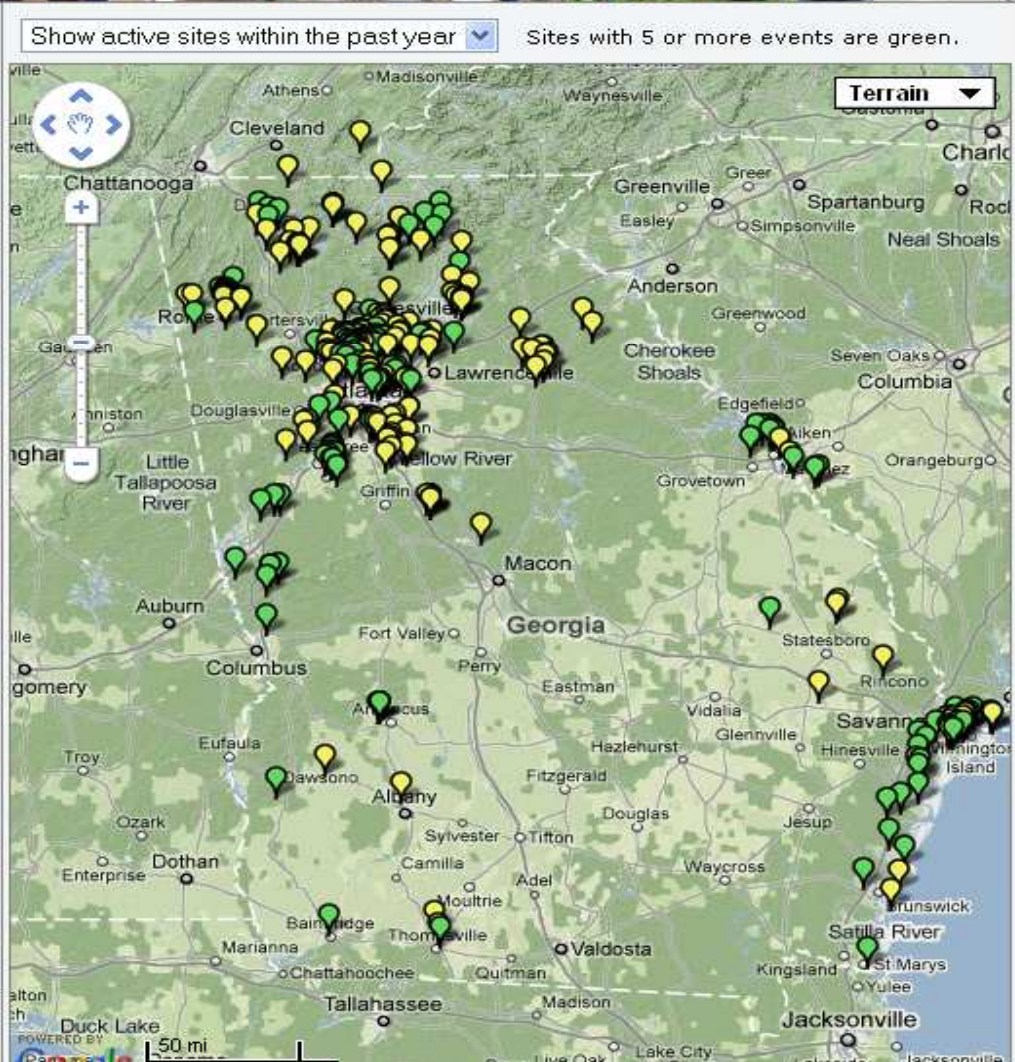
9:00am Columbia County Macro Biological Certification Clas

9:00am South Fulton: Chemical Workshop & Introduction

Saturday, May 15

9:00am Summerville: AAS Chemical Monitoring Workshop

Saturday, May 29





Adopt-A-Stream Worksho

Save

Save and Print

Workshop Participants:

Look up:

[New Contact](#)

Train

Tr

Tr

Tr

Tr

Tr

Type

Location:

Date:

 (mm/dd/yyyy)

Duration:

 (minutes)

Registration

Register Group or Site

Data Submission Forms

Physical-Chemical

Macroinvertebrate

Cleanup Form

Reports

Yearly Trends

Yearly Highlights

Options

Change Password

For Trainers only

Register Workshop

Certificates and Letters

Workshops List

For Coordinators only

Monthly/Yearly Summaries

For AAS Staff only

To do

Contacts

Database Accounts

Old Database

Queries

Rivers Alive Registrations

2009 Trainers

[Data clean up](#)

Outliers

Invalid Watersheds



Adopt-A-Stream Workshop Form

Save

Save and Print

Clear form

Instructions

Workshop Participants:

Look up:

[New Contact](#)

#	Participant	Passed	Edit	Remove
1	Jane Ahn	<input checked="" type="checkbox"/>	edit	remove
2	Scotty Baldree	<input checked="" type="checkbox"/>	edit	remove
3	Bud Queen	<input checked="" type="checkbox"/>	edit	remove
4	Tara Bender	<input checked="" type="checkbox"/>	edit	remove
5	Harriet Anderson	<input checked="" type="checkbox"/>	edit	remove
6	Gus Barchers	<input checked="" type="checkbox"/>	edit	remove
7	Craig Burnside	<input checked="" type="checkbox"/>	edit	remove
8	Jennifer Aaronson	<input checked="" type="checkbox"/>	edit	remove

Trainers:

Trainer 1:

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

Allows trainer to choose workshop type

Location:

Date: (mm/dd/yyyy)

Duration: (minutes)

Our trainers have the ability to certify volunteers through workshops

Tracks time spent during workshop



Search people:

Contact Info



Edit

New Contact

Contact Info

Contact ID: 10164

Allison M Hughes

Georgia Adopt-A-Stream
4220 International Parkway
Suite 101
Atlanta GA 30354

DeKalb County
03130005 Upper Flint River Watershed

Mailing List: No
allison.hughes@gaepd.org
404.675.1636 (w)
<http://www.georgiaadoptastream.org>

Local Adopt-A-Stream Coordinator

Support region: All
Support location: Georgia

Group Memberships

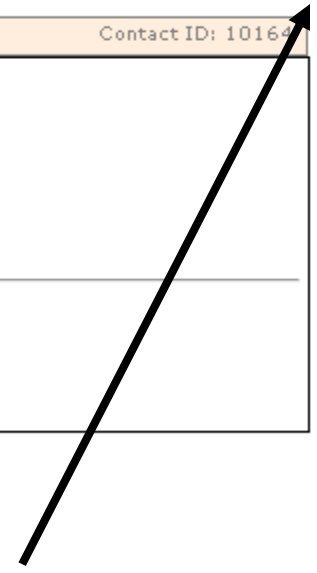
Group	Role
Georgia AAS Advisory Board	Leader
White Oak Hills Stream Monitors	Leader

Workshops attended

Date	Certification Type	Trainer(s)	Location
08/26/2009	Bacterial Trainer	Harold Harbert	Sweetwater Creek State Park
02/14/2007	Biological Trainer	Harold Harbert	
02/14/2007	Chemical Trainer	Harold Harbert	
12/03/2005	Biological Trainer	Harold Harbert	
12/03/2005	Chemical Trainer	Harold Harbert	

[119 workshops conducted](#)

Coordinators have the ability to enter in new contacts





Georgia Adopt-A-Stream

GEORGIA'S VOLUNTEER WATER QUALITY MONITORING PROGRAM



Adopt-A-Stream

Get Involved

Groups

Sites

People

Data Views

Forms & Reports

Materials & Resources

Teacher's Corner

Contact us

Sign in



- Getting Started
- Levels of Involvement
- Find your local AAS Coordinator
- Workshop Descriptions
- Register Your Site
- Useful Links



Leap into Amphibians

Images from Confluence

Get involved in *E. coli* bacteria monitoring



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



Currently active (4/12/2009 - 4/12/2010)

- 314 Sites
- 173 Groups
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Jan-Feb 2010

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Adopt-A-Stream



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

Sign in

E-mail address:

Password:

[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:

Save to Database

To quickly locate your site, enter a nearby road or address:

Locate

latitude: +033.3195

longitude: -084.2935

Right-click your site to select it:



Site Special Information:



Georgia Adopt-A-Stream

GEORGIA'S VOLUNTEER WATER QUALITY MONITORING PROGRAM



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

Images from Confluence

Get involved in *E. coli* bacteria monitoring



Show active sites



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- Register Group or Site

Data Submission Forms

- Physical-Chemical**
- Macroinvertebrate
- Cleanup Form

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- Yearly Highlights

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For Trainers only

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- Monthly/Yearly Summaries

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- To do
- Contacts
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- [Data clean up](#)
- Outliers
- Invalid Watersheds





GEORGIA ADOPT-A-STREAM

Physical/Chemical/Bacterial Data Form

To be conducted every month

[Instructions](#)

Save

Clear

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:	S- <input type="text"/>			
	Enter the site number without the S-, and select from the list. Note that you must be a member of a group before you can submit data for its sites.			
AAS Group ID:	<input type="text"/>			
Event Date and Participants				
Date: (mm/dd/yyyy)	Time: (hh:mm am/pm)	Time Spent Monitoring	Picture/Photo Documentation?	
<input type="text"/>	<input type="text"/>	<input type="text"/> minutes	<input type="radio"/> yes / <input checked="" type="radio"/> no	
(don't include <i>E. coli</i> incubation time)				
Registered participants				
Enter one at a time, and select from the drop-down list. At least one must be QA/QC certified.				
<input type="text"/>				
Unregistered participants				Total number of participants:
<input type="text"/>				<input type="text"/>
Rain in last 24 hours		Present conditions		
<input type="radio"/> heavy rain	<input type="radio"/> steady rain	<input type="radio"/> heavy rain	<input type="radio"/> steady rain	<input type="radio"/> intermittent rain
<input type="radio"/> intermittent rain	<input type="radio"/> none	<input type="radio"/> overcast	<input type="radio"/> partly cloudy	<input type="radio"/> clear/sunny
Amount of rain, if known? <input type="text"/> inches in last <input type="text"/> <input checked="" type="radio"/> hours / <input type="radio"/> days				
Basic Tests		Sample 1	Sample 2	Result
Air Temperature		<input type="text"/>	<input type="text"/>	(°C) <input type="text"/>
Water Temperature		<input type="text"/>	<input type="text"/>	(°C) <input type="text"/>
pH		<input type="text"/>	<input type="text"/>	(0 - 14) <input type="text"/>
Dissolved Oxygen		<input type="text"/>	<input type="text"/>	(mg/L or ppm) <input type="text"/>
Conductivity		<input type="text"/>	<input type="text"/>	(µs/cm) <input type="text"/>
Advanced Tests		Sample 1	Sample 2	Result
Alkalinity		<input type="text"/>	<input type="text"/>	(mg/L or ppm) <input type="text"/>
Nitrate-Nitrogen		<input type="text"/>	<input type="text"/>	(mg/L or ppm) <input type="text"/>
Ammonia-Nitrogen		<input type="text"/>	<input type="text"/>	(mg/L or ppm) <input type="text"/>
Ortho-phosphate		<input type="text"/>	<input type="text"/>	(mg/L or ppm) <input type="text"/>



Programmatic Goals

**To Provide Easy Access to Data
And Create Methods to Interpret Data**



Search groups:

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 Print

- Saturday, April 24**
9:00am **Gwinnett County Chemical**
- Saturday, May 1**
9:00am **Cherokee Co: UERA Biok**
9:00am **Columbia County Macro B**



Announcements

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

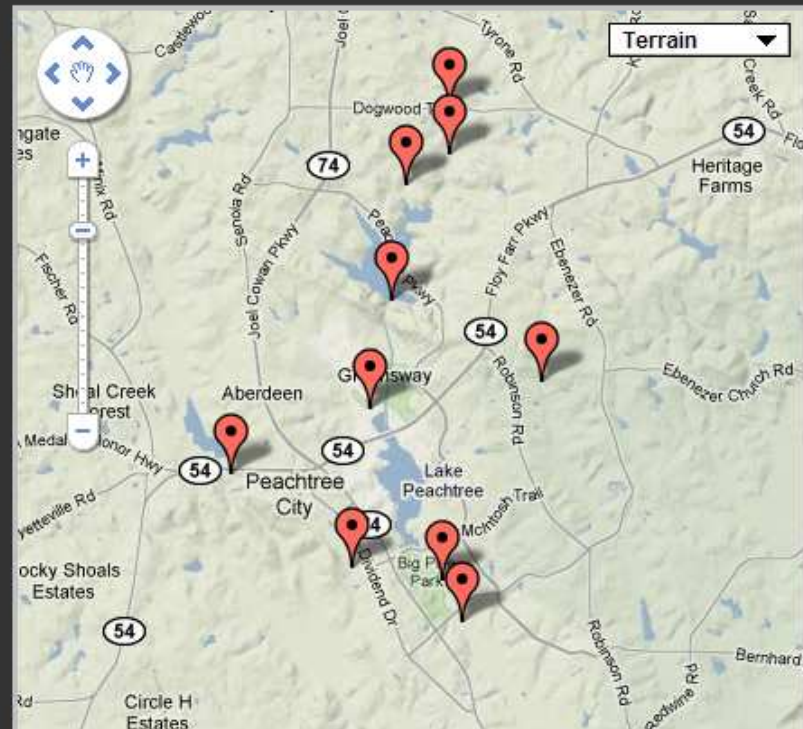
Images from Confluence

Get involved in E. coli bacteria monitoring

Sites

Members

#	Site ID	Waterbody Name	Events	Dates	Excel
1.	S-523	Cherry Branch Creek	85	02/27/2004-01/23/2010	
2.	S-524	Kedron Creek	85	02/01/2004-01/03/2010	
3.	S-525	Flat Creek	82	03/06/2004-11/08/2009	
4.	S-526	Flat Creek	88	01/31/2004-02/07/2010	
5.	S-527	Flat Creek	87	03/03/2004-01/24/2010	
6.	S-528	Flat Creek	80	06/20/2004-12/12/2009	
7.	S-529	Line Creek	85	02/22/2004-11/01/2009	
8.	S-530 inactive	Tributary of Line Creek	19	02/01/2004-06/16/2005	
9.	S-533	Flat Creek	76	11/13/2004-01/24/2010	
10.	S-638	Flat Creek	65	10/01/2005-01/24/2010	
11.	S-639	Camp Creek	61	09/18/2005-12/20/2009	
Total Monitoring Events:			813		



Search sites:

[S-523] **Cherry Branch Creek** is one of eleven sites monitored by group [McIntosh High School Adopt-A-Stream](#).

Cherry Branch Creek is located in [Fayetteville, Fayette County](#), Georgia.

Its coordinates are +33.4065 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.

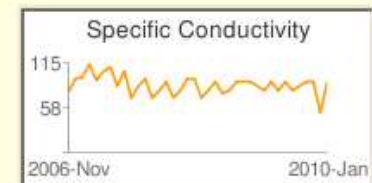
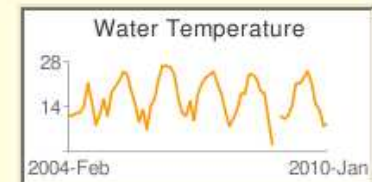
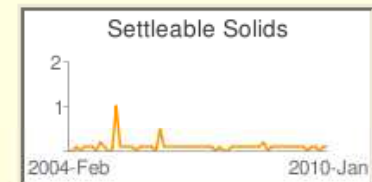
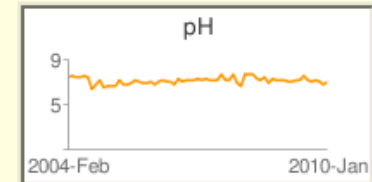
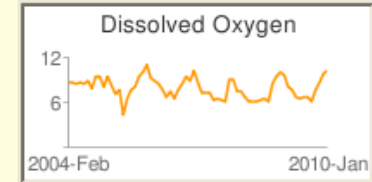
Special information: McIntosh High School monitoring site #4 and Peachtree City stormwater management monitoring site #20

This site has [eighty-five recorded monitoring events](#).

[Download to Excel](#)



Click a graph to view an expanded version:





**G-714 McIntosh High School Adopt-A-Stream
S-523 Cherry Branch Creek**










Date/Time	02/27/2004 16:30	03/12/2004 16:30	03/26/2004 16:30	04/08/2004 16:30	04/22/2004 16:30	05/06/2004 16:30	11/13/2004 14:30	11/13/2004 14:50	12/19/2004 18:00	01/16/2005 15:00
Time spent monitoring minutes	-	-	-	-	-	-	-	-	-	-
Rain in past 24 hours	None	None	None	None	Intermittent Rain	None	Heavy Rain	Heavy Rain	None	None
Current conditions	Overcast	Overcast	Clear/Sunny	Overcast	Overcast	Clear/Sunny	Overcast	Overcast	Overcast	Clear/Sunny
Water Temperature °C	11	11	12	12	14	21	-	15	8.1	11.5
Air Temperature °C	15	14	16	15	17	24	-	19	5.2	12.5
pH	7.3	7.4	7.3	7.3	7.4	7.3	-	6	6.5	6.9
Dissolved Oxygen mg/L	8.7	8.6	8.5	8.7	8.4	8.8	-	7.9	9.5	9.5
Conductivity µs/cm	-	-	-	-	-	-	-	-	-	-
Settleable Solids mg/L	0	0	0.1	0	0.1	0.1	-	0.1	0	0.15
Water Quality Index	-	-	-	-	-	-	15	-	-	-
Event ID	2517	2518	2519	2520	2521	2522	2859	2858	2860	2861



**G-714 McIntosh High School Adopt-A-Stream
S-523 Cherry Branch Creek**

X

Date/Time	02/27/2004 16:30	03/12/2004 16:30	03/26/2004 16:30	04/08/2004 16:30	04/22/2004 16:30	05/06/2004 16:30	11/13/2004 14:30	11/13/2004 14:30	12/19/2004 15:00	01/16/2005 15:00
Time spent monitoring minutes	-	-	-	-	-	-	-	-	-	-
Rain in past 24 hours	None	None	None	None	Intermittent Rain	None	Heavy Rain	Heavy Rain	None	None
Current conditions	Overcast	Overcast	Clear/Sunny	Overcast	Overcast	Clear/Sunny	Overcast	Overcast	Overcast	Clear/Sunny
 Water Temperature °C	11	11	12	12	14	21	-	15	8.1	11.5
 Air Temperature °C	15	14	16	15	17	24	-	19	5.2	12.5
 pH	7.3	7.4	7.3	7.3	7.4	7.3	-	6	6.5	6.9
 Dissolved Oxygen mg/L	8.7	8.6	8.5	8.7	8.4	8.8	-	7.9	9.5	9.5
 Conductivity µs/cm	-	-	-	-	-	-	-	-	-	-
 Settleable Solids mg/L	0	0	0.1	0	0.1	0.1	-	0.1	0	0.15
 Water Quality Index	-	-	-	-	-	-	15	-	-	-
Event ID	2517	2518	2519	2520	2521	2522	2859	2858	2860	2861





**G-714 McIntosh High School Adopt-A-Stream
S-523 Cherry Branch Creek**

X

Date/Time	01/01/2004 14:00	01/16/2005 15:00	01/23/2005 16:30	02/27/2005 15:00	02/27/2005 15:00	04/17/2005 14:00	05/15/2005 14:00	05/15/2005 15:00	06/25/2005 14:00	07/23/2005 14:00	09/01/2005 14:00
Time spent monitoring minutes	-	-	-	-	-	-	-	-	-	-	-
Rain in past 24 hours	None	None	Heavy Rain	Heavy Rain	Heavy Rain	None	Steady Rain	Steady Rain	None	None	-
Current conditions	Overcast	Clear/Sunny	Clear/Sunny	Intermittent Rain	Overcast	Clear/Sunny	Overcast	Overcast	Clear/Sunny	Clear/Sunny	-
Water Temperature °C	11.1	11.5	16	11	-	18.2	20	-	22	24.75	-
Air Temperature °C	10.2	12.5	25	10	-	24	25	-	29.2	33.5	-
pH	6.5	6.9	6.2	6.4	-	6.4	6.4	-	6.9	6.5	-
Dissolved Oxygen mg/L	10.5	9.5	8.1	9.5	-	8.2	7.1	-	7.7	4.4	-
Conductivity µs/cm	-	-	-	-	-	-	-	-	-	-	-
Settleable Solids mg/L	0	0.15	0.1	0.01	-	0.01	1	-	0.1	0.1	-
Water Quality Index	-	-	-	-	10	-	-	9	-	-	-
Event ID	2860	2861	2862	2863	2864	3102	3103	3104	3239	3240	-





Georgia Adopt-A-Stream

GEORGIA'S VOLUNTEER WATER QUALITY MONITORING PROGRAM



- Adopt-A-Stream
- Get Involved
- Groups
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G-714 McIntosh High S-523 Cherokee

Date/Time	1/16/2004	01/16/2005	01/23/2005	02/27/2005	05/05/2005	05/15/2005	06/25/2005	07/23/2005	09/06/2005
Time spent monitoring minutes	-	-	-	-	-	-	-	-	-
Rain in past 24 hours	None	None	Heavy Rain	Heavy Rain	Steady Rain	Steady Rain	None	None	-
Current conditions	Overcast	Clear/Sunny	Clear/Sunny	Intermittent Rain	Overcast	Overcast	Clear/Sunny	Clear/Sunny	-
Water Temperature °C	11.1	11.5	16	18	20	-	22	24.75	-
Air Temperature °C	12.2	12.5	25	18	25	-	29.2	33.5	-
pH	6.5	6.9	6.2	6.6	6.4	-	6.9	6.5	-
Dissolved Oxygen mg/L	7.5	9.5	8.1	9.9	7.1	-	7.7	4.4	-
Conductivity µs/cm	-	-	-	-	-	-	-	-	-
Settleable Solids mg/L	0	0.15	0.1	0.1	1	-	0.1	0.1	-
Water Quality Index	-	-	-	-	-	9	-	-	-
Event ID	2860	2861	2862	2863	3103	3104	3239	3240	-

- Counties
- Cities
- Watersheds
- Water Plan Regions
- Coastal AAW
- Google Earth Views
- Watershed Surveys
- Paddle Georgia 2009 Map
- Paddle Georgia 2009 Data
- Rottenwood Creek Map
- Rottenwood Creek 2009 Data
- Rottenwood Creek 2008 Data



Select a Watershed:

43 Georgia Watersheds have sites.

View:

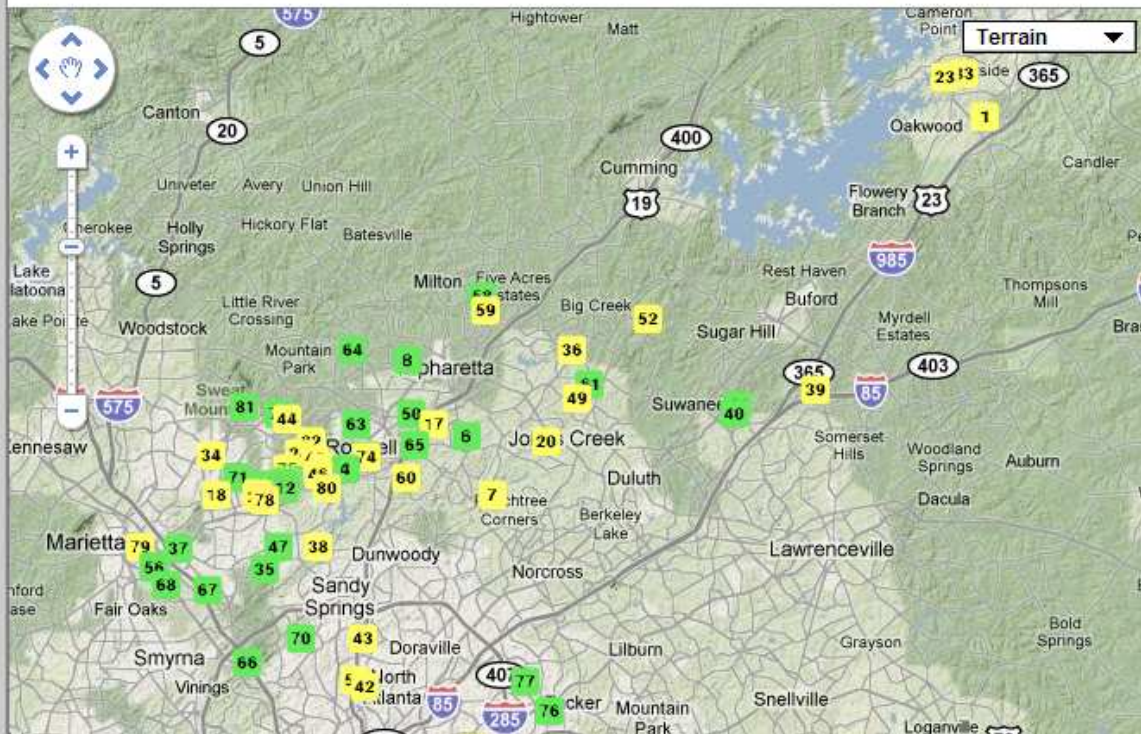
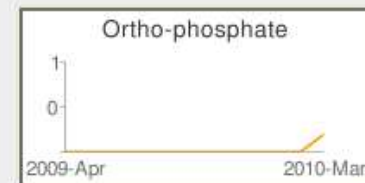
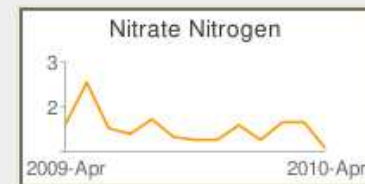
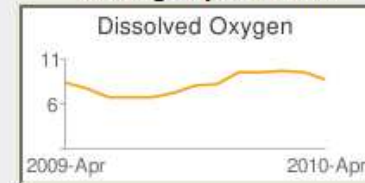
Options: Active sites only Show map only

Watershed: Upper Chattahoochee River 82 Sites

#	Group	ID #Events	Site Name
1	A and E Investigators	S-332 3 events	Balus Creek
2	A and E Investigators	S-1248 3 events	Rockwood Creek
3	Arbor Montessori Middle School	S-770 4 events	Burnt Fork Creek
4	Atlanta Rowing Club	S-22 12 events	Chattahoochee River Tributary
5	Atlanta Sierra Club	S-1410 6 events	South Fork Peachtree Creek
6	Atlanta Woman's Club	S-1350 6 events	Tributary of Big Creek
7	Barnard	S-1420 4 events	River Glen neighborhood lake by community pool

479 monitoring events

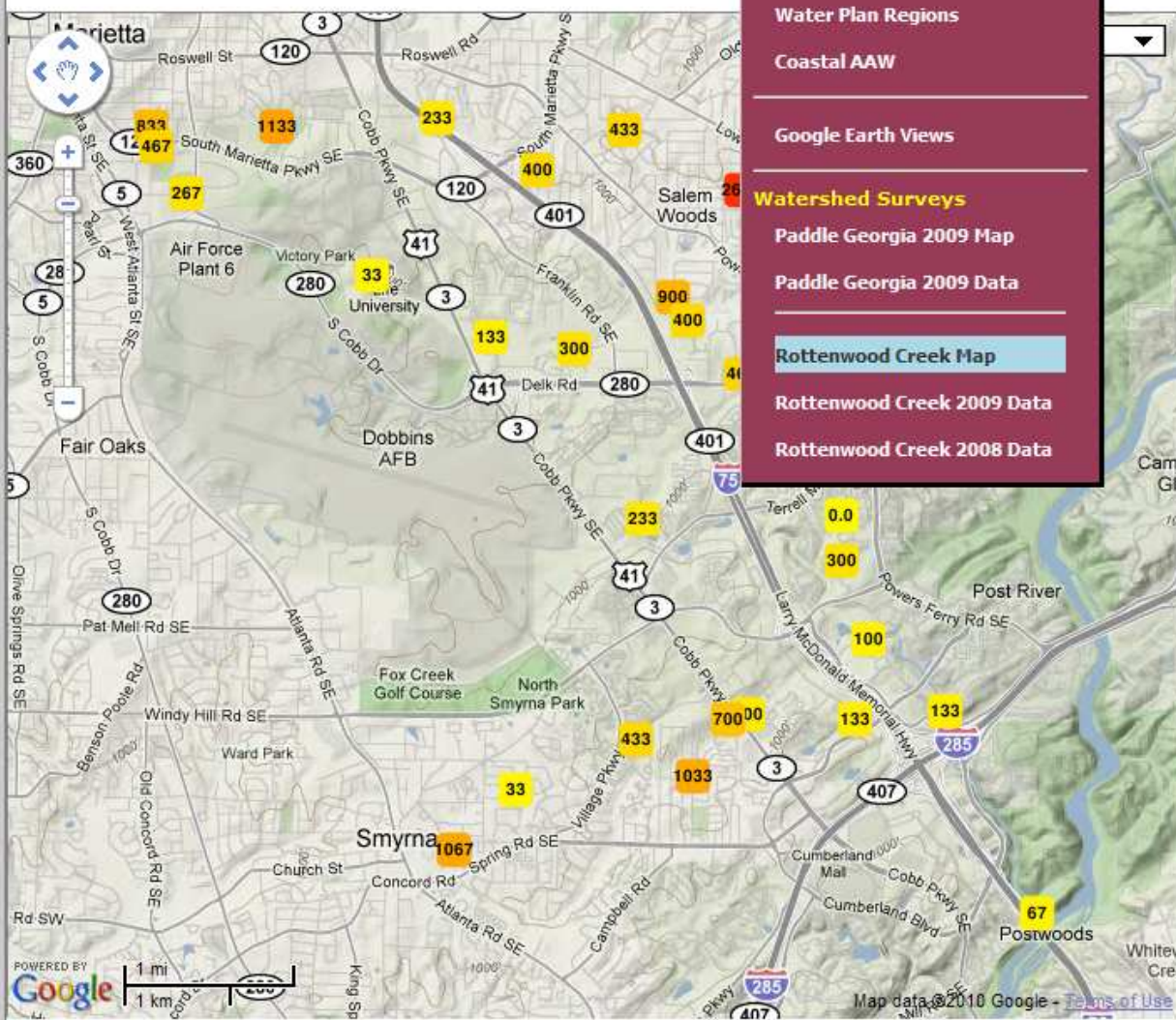
Averages per month





Watershed Survey

2007



- Counties
- Cities
- Watersheds
- Water Plan Regions
- Coastal AAW
- Google Earth Views
- Watershed Surveys
 - Paddle Georgia 2009 Map
 - Paddle Georgia 2009 Data
 - Rottenwood Creek Map**
 - Rottenwood Creek 2009 Data
 - Rottenwood Creek 2008 Data

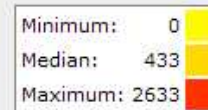
Choose a parameter:

Ammonia-Nitrogen	mg/L
Bio. Oxygen Demand	mg/L
Chloride	mg/L
Conductivity	µmho/cm
Dissolved Oxygen	mg/L
D.O. Saturation	%
E. coli 3M Petri.	cfu/100mL
E. coli IDEXX	cfu/100mL
Fecal Coliform	cfu/100mL
NOX	mg/L
pH	
TKN	mg/L
Total Phosphorus	mg/L
Total Suspended Solids	mg/L
Turbidity	NTU
Water Temperature	°C
Habitat Assessment	

Aluminum	mg/L
Barium	µg/L
Calcium	mg/L
Iron	mg/L
Lead	µg/L
Magnesium	mg/L
Manganese	mg/L
Potassium	mg/L
Sodium	mg/L
Strontium	mg/L
Zinc	µg/L
Hardness	mg/L

Markers show:

- Parameter values
- Site IDs



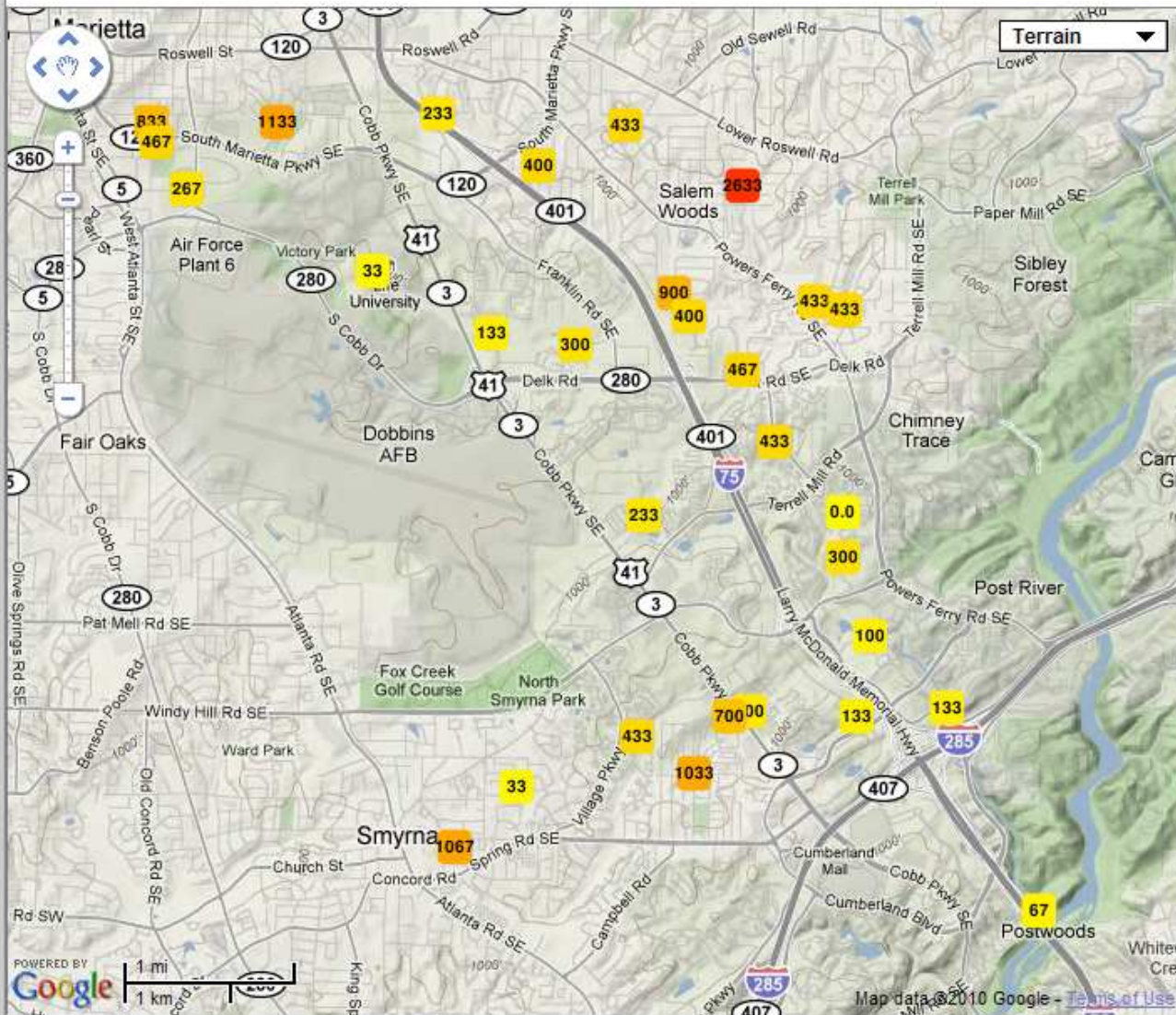


Watershed Survey - Rottenwood Creek

2007

2008

2009



Choose a parameter:

Ammonia-Nitrogen	mg/L
Bio. Oxygen Demand	mg/L
Chloride	mg/L
Conductivity	µmho/cm
Dissolved Oxygen	mg/L
D.O. Saturation	%
E. coli 3M Petri.	cfu/100mL
E. coli IDEXX	cfu/100mL
Fecal Coliform	cfu/100mL
NOX	mg/L
pH	
TKN	mg/L
Total Phosphorus	mg/L
Total Suspended Solids	mg/L
Turbidity	NTU
Water Temperature	°C
Habitat Assessment	

Aluminum	mg/L
Barium	µg/L
Calcium	mg/L
Iron	mg/L
Lead	µg/L
Magnesium	mg/L
Manganese	mg/L
Potassium	mg/L
Sodium	mg/L
Strontium	mg/L
Zinc	µg/L
Hardness	mg/L

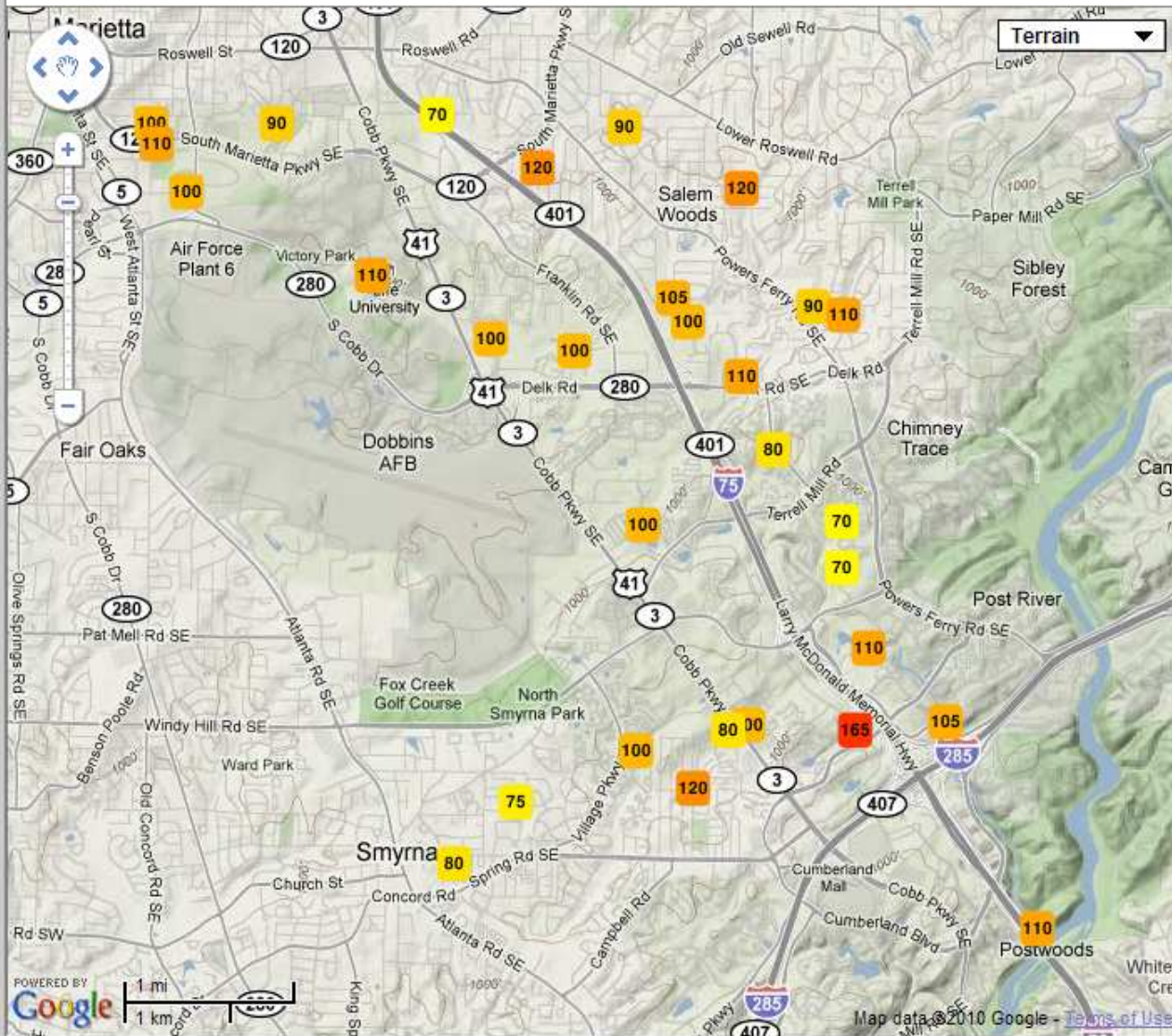
Markers show:

- Parameter values
- Site IDs

Minimum:	0	
Median:	433	
Maximum:	2633	

Watershed Survey - Rottenwood Creek

2007 2008 2009





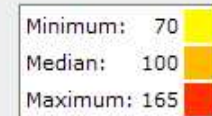
Choose a parameter:

Ammonia-Nitrogen	mg/L
Bio. Oxygen Demand	mg/L
Chloride	mg/L
Conductivity	µmho/cm
Dissolved Oxygen	mg/L
D.O. Saturation	%
E. coli 3M Petri.	cfu/100mL
E. coli IDEXX	cfu/100mL
Fecal Coliform	cfu/100mL
NOX	mg/L
pH	
TKN	mg/L
Total Phosphorus	mg/L
Total Suspended Solids	mg/L
Turbidity	NTU
Water Temperature	°C
Habitat Assessment	

Aluminum	mg/L
Barium	µg/L
Calcium	mg/L
Iron	mg/L
Lead	µg/L
Magnesium	mg/L
Manganese	mg/L
Potassium	mg/L
Sodium	mg/L
Strontium	mg/L
Zinc	µg/L
Hardness	mg/L

Markers show:

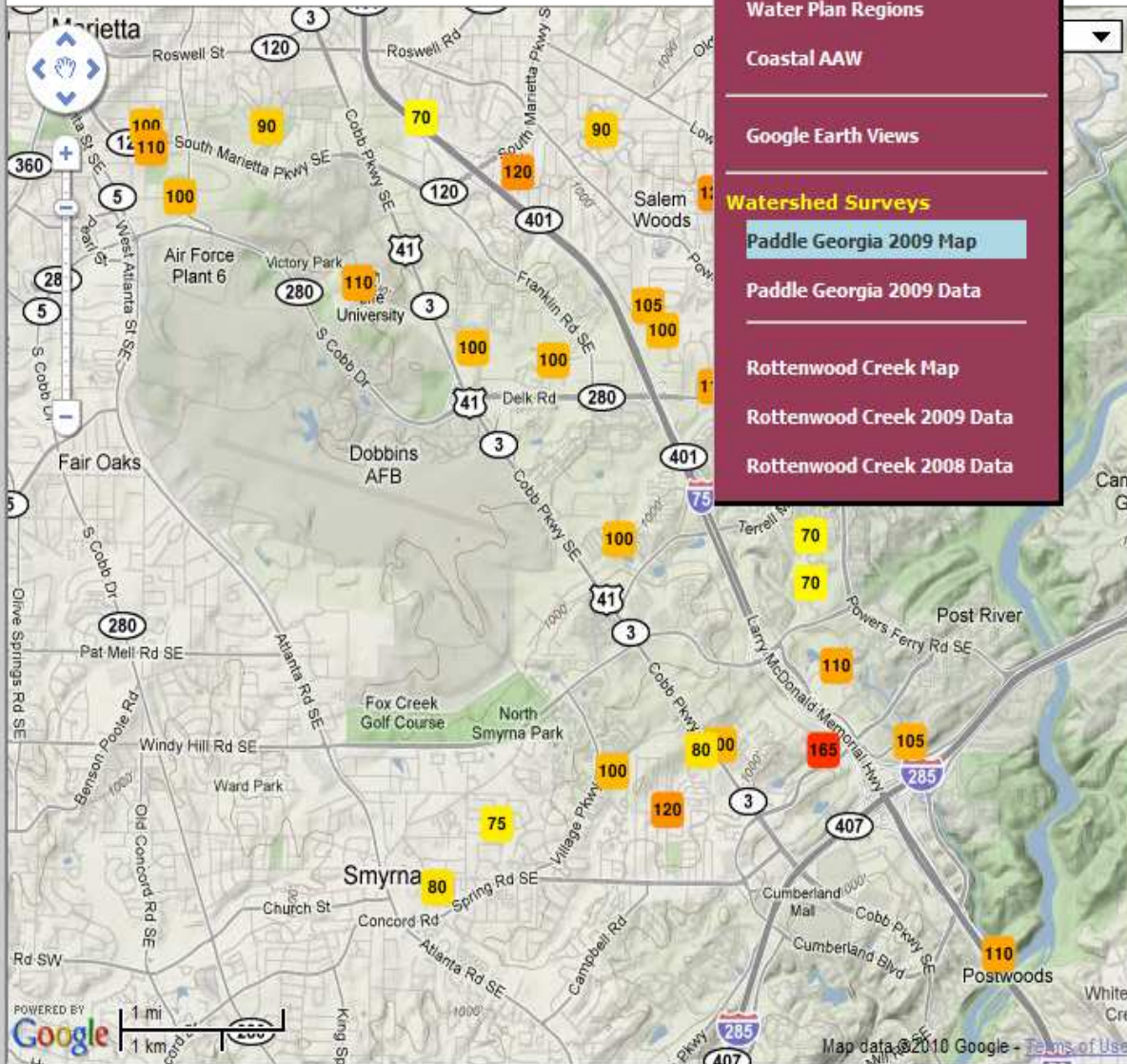
-  Parameter values
-  Site IDs





Watershed Survey

2007



Counties

Cities

Watersheds

Water Plan Regions

Coastal AAW

Google Earth Views

Watershed Surveys

Paddle Georgia 2009 Map

Paddle Georgia 2009 Data

Rottenwood Creek Map

Rottenwood Creek 2009 Data

Rottenwood Creek 2008 Data

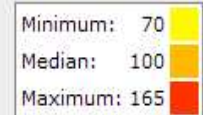
Choose a parameter:

Ammonia-Nitrogen	mg/L
Bio. Oxygen Demand	mg/L
Chloride	mg/L
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Manganese	mg/L
Potassium	mg/L
Sodium	mg/L
Strontium	mg/L
Zinc	µg/L
Hardness	mg/L

Markers show:

- Parameter values
- Site IDs





Georgia Adopt-A-Stream

GEORGIA'S VOLUNTEER WATER QUALITY MONITORING PROGRAM



Adopt-A-Stream



Get Involved

Groups

Sites

People

Data Views

Forms & Reports

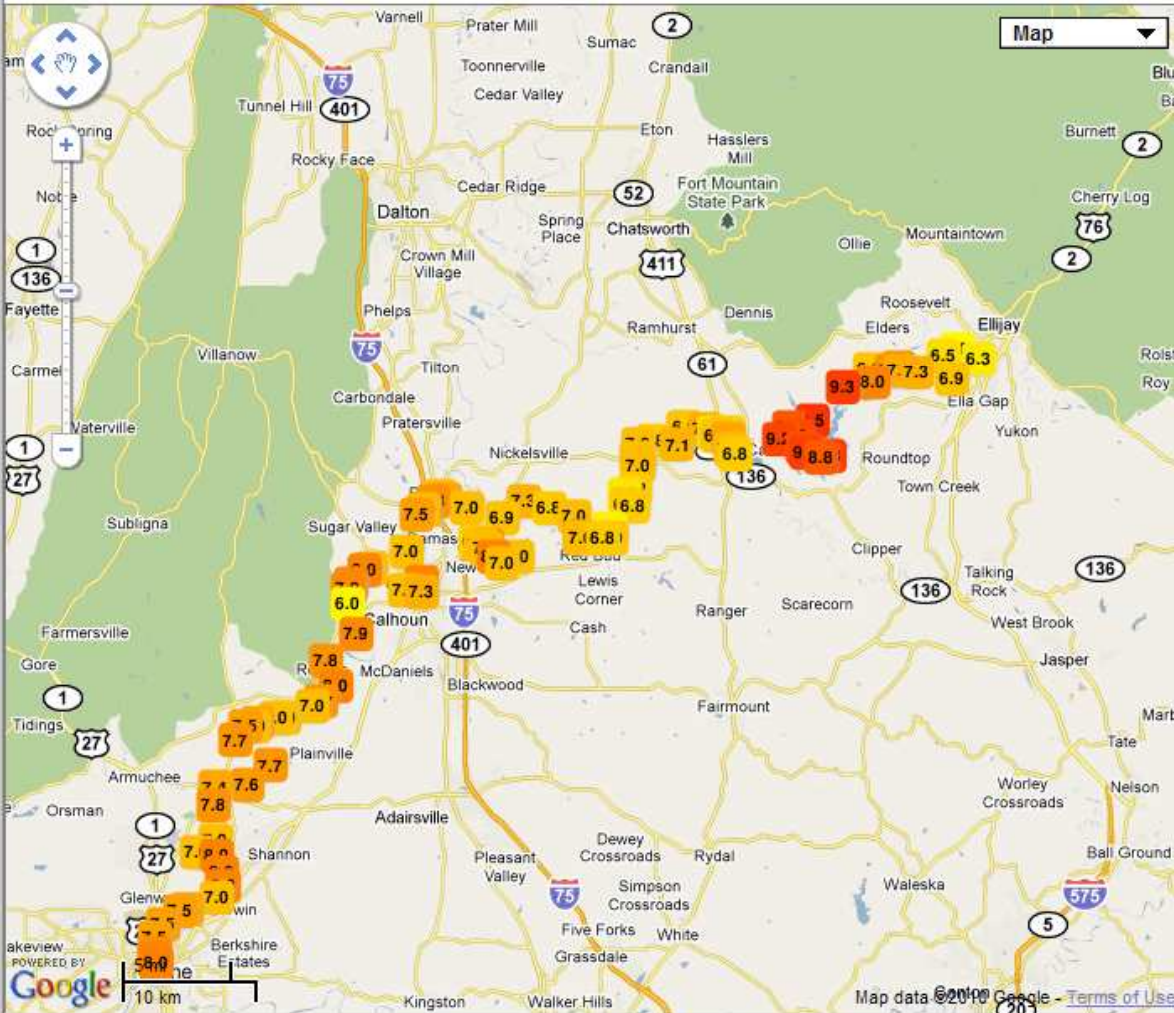
Materials & Resources

Teacher's Corner

Contact us

Hughes Sign out

Watershed Survey Paddle Georgia 2009



Choose a parameter:

Air Temperature	°C
Ammonia-Nitrogen	mg/L
Conductivity	µS/cm
Dissolved Oxygen	mg/L
<i>E. coli</i> 3M Petri.	cfu/100mL
<i>E. coli</i> IDEXX	MPN
pH	
Nitrate Nitrogen	mg/L
Phosphate (TS)	mg/L
Phosphate (Hach 890)	mg/L
Water Temperature	°C

Markers show:

- Parameter values
- Site IDs

Minimum: 6.0	Yellow
Median: 7.3	Orange
Maximum: 9.5	Red



Georgia Adopt-A-Stream

GEORGIA'S VOLUNTEER WATER QUALITY MONITORING PROGRAM



Adopt-A-Stream



Get Involved

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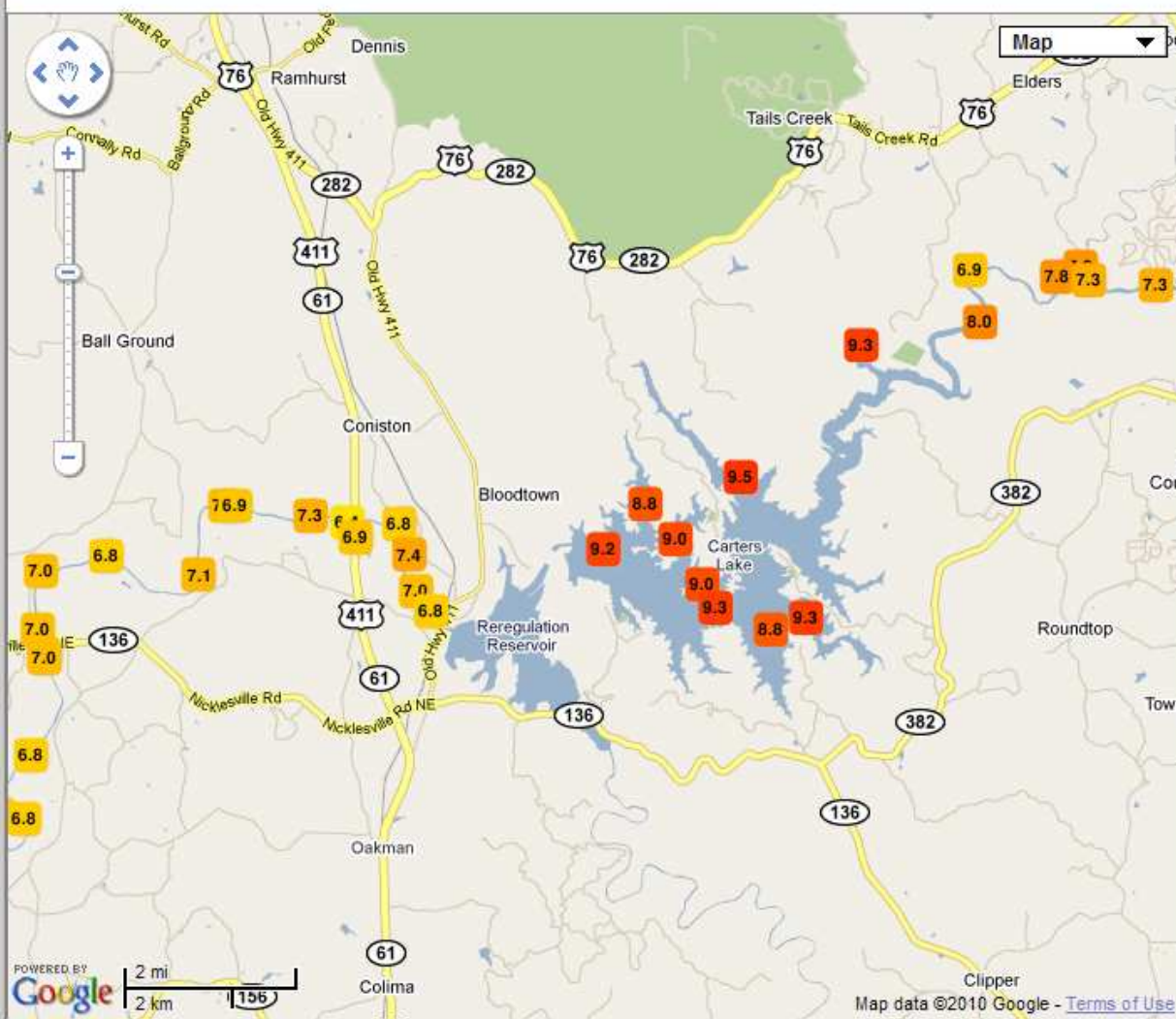
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Watershed Survey Paddle Georgia 2009



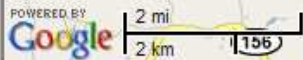
Choose a parameter:

Air Temperature	°C
Ammonia-Nitrogen	mg/L
Conductivity	µS/cm
Dissolved Oxygen	mg/L
<i>E. coli</i> 3M Petri.	cfu/100mL
<i>E. coli</i> IDEXX	MPN
pH	
Nitrate Nitrogen	mg/L
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Markers show:

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Minimum: 6.0	Yellow
Median: 7.3	Orange
Maximum: 9.5	Red



Map data ©2010 Google - [Terms of Use](#)



Programmatic Goals

**To Provide Methods to Track
Volunteer Efforts**



Monthly/Yearly Summaries

Select a Region or County:

Cobb Summary:

Volunteer Hours	Volunteer Dollars	Volunteers Trained	Events	Event Participants	New Sites		
Year	Jan	Feb	Mar	Apr	May	Jun	Jul
2003	71	96	66	10	24	57	50
2004	52	50	46	57	37	46	68
2005	52	24	54	24	68	88	10
2006	46	68	150	58	67	69	32
2007	163	173	226	66	50	95	78
2008	82	146	164	171	137	43	44
2009	124	193	195	104	50	101	43
2010	276	169	144	15			

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
Participants = Number of participants if listed on the form; else the number of
Volunteer hours = Time x 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.

Registration

Register Group or Site

Data Submission Forms

Physical-Chemical

Macroinvertebrate

Cleanup Form

Reports

Yearly Trends

Yearly Highlights

Options

Change Password

For Trainers only

Register Workshop

Certificates and Letters

Workshops List

For Coordinators only

Monthly/Yearly Summaries

For AAS Staff only

To do

Contacts

Database Accounts

Old Database

Queries

Rivers Alive Registrations

2009 Trainers

Data clean up

Outliers

Invalid Watersheds



Monthly/Yearly Summaries

Select a Region or County:

Cobb Summary:

Volunteer Hours	Volunteer Dollars	Volunteers Trained	Events	Event Participants	New Sites	New Groups	Active Groups	Active Sites	Active Streams				
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2003	71	96	66	10	24	57	50	14	79	150	18	20	655
2004	52	50	46	57	37	46	68	62	31	17	50	46	562
2005	52	24	54	24	68	88	10	17	194	73	136	88	828
2006	46	68	150	58	67	69	32	42	130	94	124	84	964
2007	163	173	226	66	50	95	78	294	452	394	226	150	2367
2008	82	146	164	171	137	43	44	357	114	208	366	184	2016
2009	124	193	195	104	50	101	43	215	843	376	394	197	2835
2010	276	169	144	15									604

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 x 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
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- 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: 

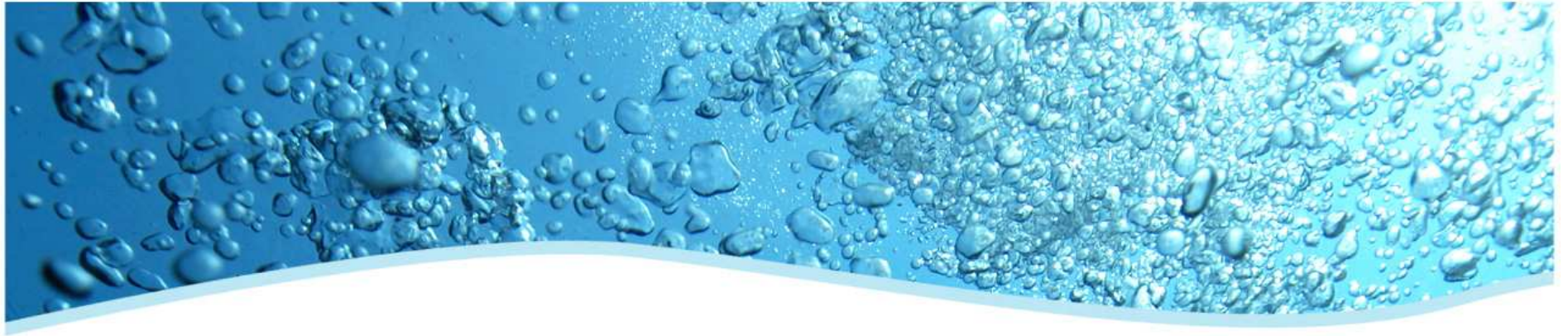
Cobb Summary:

Volunteer Hours	Volunteer Dollars		Volunteers Trained	Events	Event Participants	New Sites	New Groups	Active Groups	Active Sites	Active Streams			
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2003	1745	2321	1725	202	490	1375	1774	284	1811	3615	648	409	16399
2004	1231	1386	1139	1077	1204	1343	2006	1259	655	729	1036	1130	14195
2005	1231	661	1121	661	1414	2311	192	344	3891	1506	3166	1920	18418
2006	932	1936	3621	1478	1566	2830	928	1053	3180	2032	2794	1725	24075
2007	3402	3610	4915	1515	1016	3101	1832	6026	8944	7910	4934	3142	50347
2008	1684	3065	3340	3959	2954	996	1076	14178	2338	4308	12293	3834	54025
2009	3332	4734	5284	2114	1016	6939	1542	5014	17789	8500	8503	4159	68926
2010	5530	3536	2724	298									12088

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

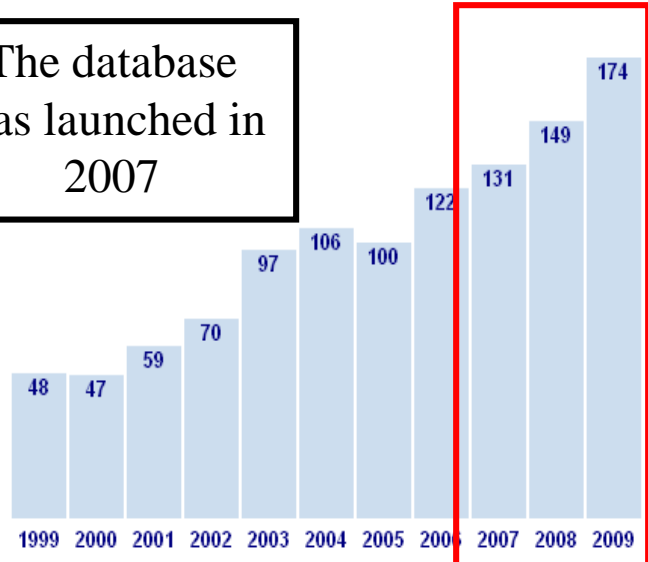


For Georgia Adopt-A-Stream,
the creation of our database is a
Success Story
because....

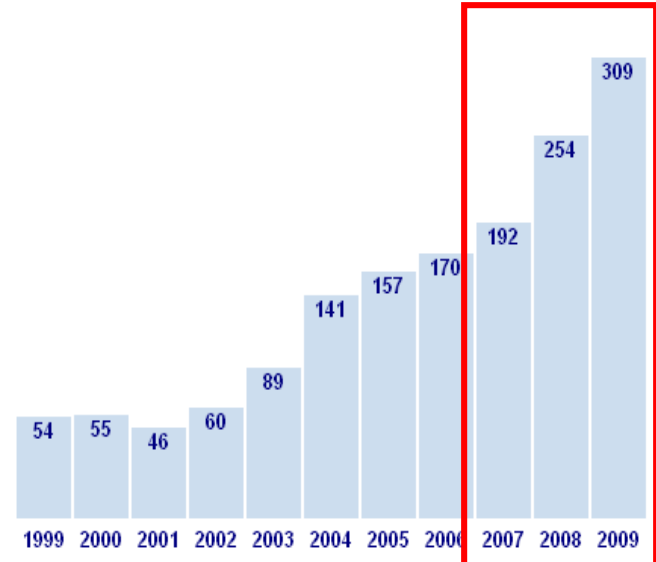


Active Groups by Year

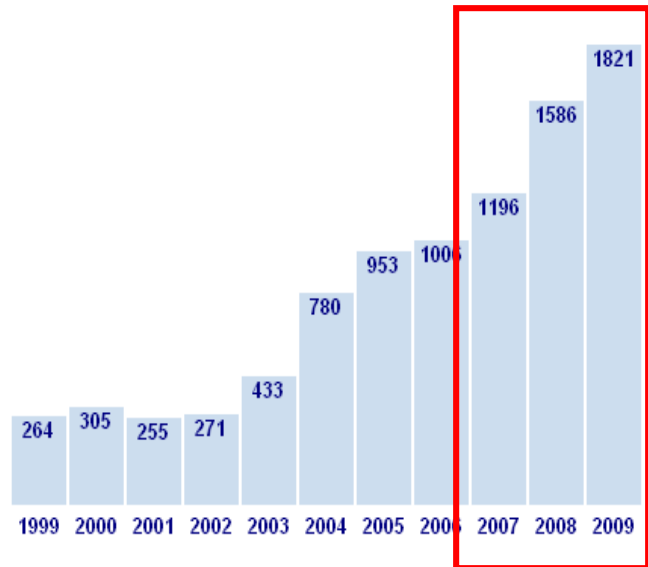
The database was launched in 2007



Active Monitoring Sites by Year



Monitoring Events by Year



Certifications Earned by Year

