

# Auburn University Water Resources Center

**Puneet Srivastava**

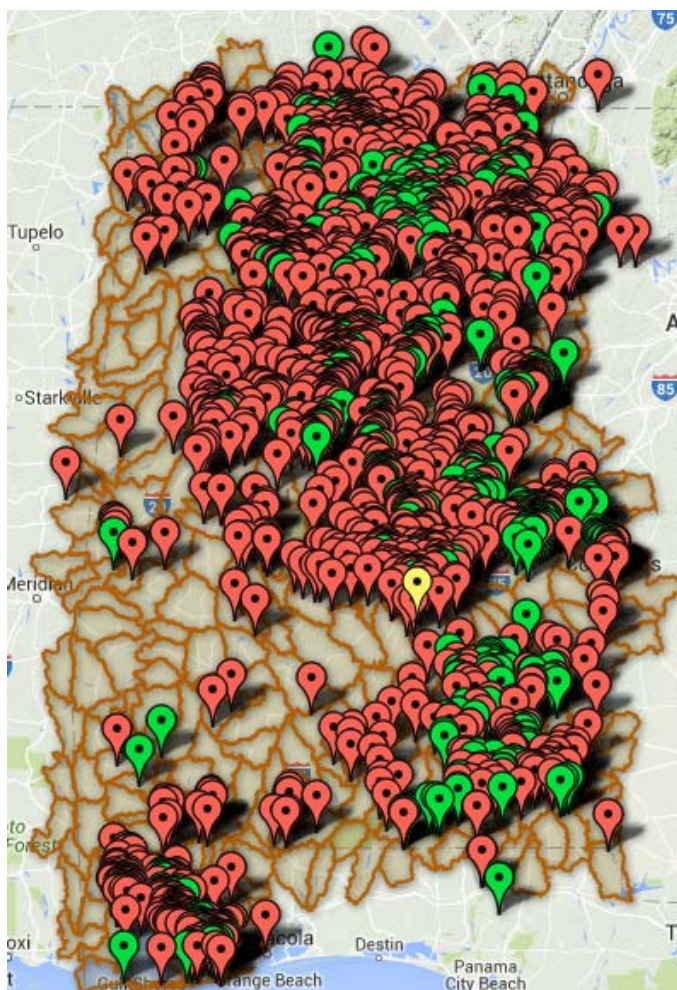
**[aaes.auburn.edu/water](http://aaes.auburn.edu/water)**





# Community-based Watershed Monitoring & Stewardship

Eric Reutebuch – Director, AWW



Indicator	Cummulative Numbers	Last Cal Year	Last 12 Months	Jan 1 to Today
Total Water Quality Records	82441	3041	3035	10
Total Water Chemistry Records	66201	2402	2395	9
Total Bacteriological Records	15959	635	636	1
Total Bioassessment Records	281	4	4	0
Total Monitors Certified	6930	537	537	0
Total Sampling Sites	2327	410	485	9
Total Training Sessions	1984	110	110	0
Total Waterbodies Monitored	842	190	189	6
Total Citizen Groups	294	69	72	5

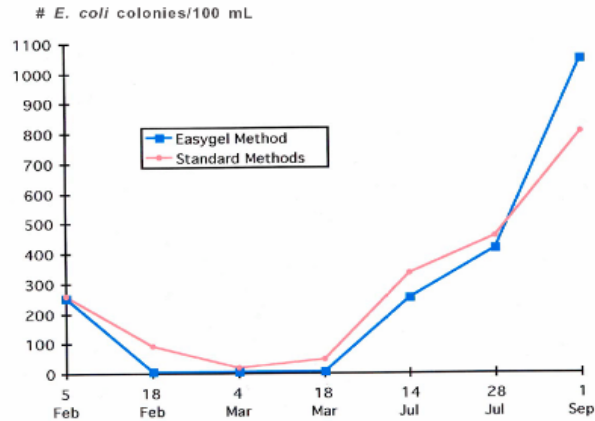
(water chemistry monitoring, bacteriological monitoring , stream biomonitoring)

[www.alabamawaterwatch.org](http://www.alabamawaterwatch.org)



# AWW's EPA-Approved Monitoring Protocols

## Bacteriological



Revision No. \_\_\_\_\_  
Date: \_\_\_\_\_

### QUALITY ASSURANCE PLAN FOR BACTERIOLOGICAL MONITORING

(Addendum to the Quality Assurance Plan approved on March, 1999)

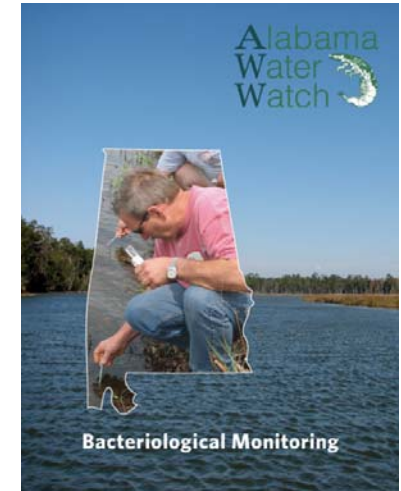
for  
**Alabama Water Watch**

A Program dedicated to developing  
Citizens Volunteer Monitoring of  
Alabama's Lakes, Streams and Wetlands  
Funded in part by a grant from the U.S. EPA, Region 4  
Clean Water Act, Section 319  
and the Alabama Department of Environmental Management

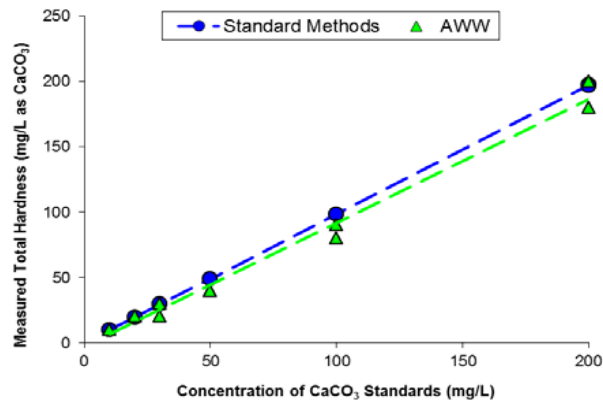
Prepared for  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION 4, Section 319  
November 10, 1999

APPROVALS:

<i>Allison L. Bush</i> Allison L. Bush, M.S., AWW-QA/QC Officer	11/10/99
<i>William G. DeLoach</i> William G. DeLoach, Ph.D., AWW Program Manager	11/16/99
<i>Norman Blakey</i> Norman Blakey, ADEM Project Director	12/31/99
<i>Gary Buehler</i> Gary Buehler, U.S. EPA Region 4, Quality Assurance Officer	1/28/2000



## Water Chemistry



### WATER CHEMISTRY QUALITY ASSURANCE PLAN

(Revision of the Quality Assurance Plan Approved June, 1994)

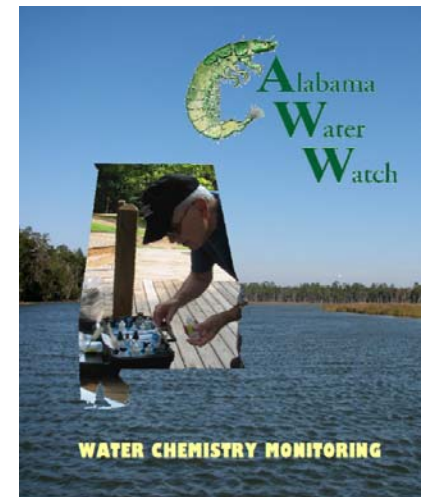
For  
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Clean Water Act, Section 319  
And the Alabama Department of Environmental Management

Prepared for  
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION 4  
January 23, 2004

APPROVALS:

<i>Ronald E. Estabridge</i> Ronald E. Estabridge, M.S., Data Quality Coordinator	1/23/04
<i>William G. DeLoach</i> William G. DeLoach, Ph.D., AWW Program Manager	1/23/04
<i>Norman Blakey</i> Norman Blakey, ADEM Project Director	1/26/04
<i>Marilyn Thomson</i> Marilyn Thomson, U.S. EPA Region 4, Quality Assurance Manager	March 9, 2004







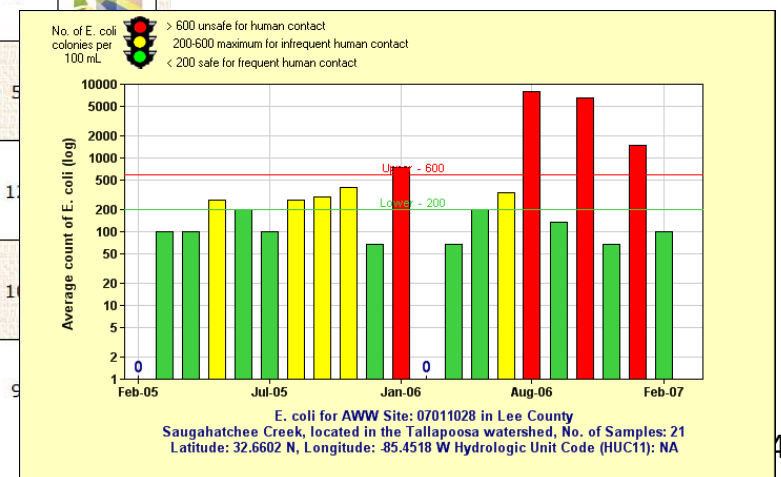
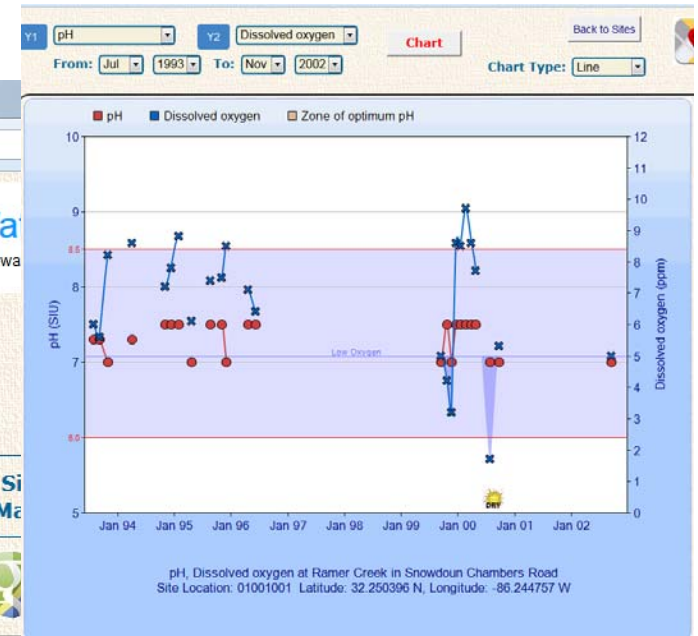
# Web Portal for Entry and Visualization of Monitored Data

Alabama Water Watch  
Community-Based, Science-Based Watershed Stewardship

Search: ☒ AWW Watersheds by Group ☐ HUC Watersheds Chart Type:  ☐ All Sites

AWW Watersheds:  Groups:

Site Code	Waterbody	Site Location	Latitude	Longitude	Last Date	No. Recs	Site Map
01001001	Ramer Creek	Snowdoun Chambers Road	32.25040	-86.24476	19 Sep 2002	25	
01001002	Ramer Creek	at CR 24	32.15840	-86.26055	21 Nov 2000	3	
01001003	Ramer Creek trib	Snowdoun Chambers Rd	32.25165	-86.24278	07 Feb 2005	5	
01001004	Caney Creek	at US Hwy 31 bridge	32.27244	-86.35619	17 Jun 2001	1	
01001005	Catoma Creek	Hwy 331 (MC03)	32.30685	-86.30739	08 Oct 1995	1	
01001006	Catoma Creek	Genetta Ditch (MC02)	32.32807	-86.34221	08 Oct 1995	9	



# 4-H ALABAMA WATER WATCH

Mona Dominguez – Volunteer Monitor Coordinator

<http://www.aces.edu/4-H-youth/AL4-H/resources/nature/environment/water.php>



*A partnership between the Alabama Water Watch Program and Alabama 4-H, the youth development program of the Alabama Cooperative Extension System.*



# Recent Program Accomplishments

- Over 1,000 youth reached by program in 2015.
- 75 educators trained in 4-H AWW Workshops in 2015.
- Partnership with EPA Gulf of Mexico Program established.
- EPA Environmental Education Grant (\$91,000) awarded to support a two-year project focused on increasing 4-H AWW's impact.
- Interest and involvement in 4-H AWW consistently increasing!



*2015 Stream Team Winners  
Houston County 4-H AWW*



*Educators learn to do stream biomonitoring on the  
Cahaba River with the AWW Exploring Our Living  
Streams curriculum*

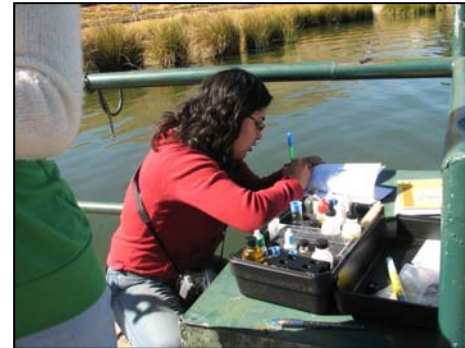


*Newly formed Washington County  
4-H AWW Club*



# THE GLOBAL WATER WATCH PROGRAM

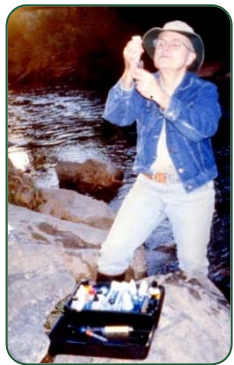
Sergio Ruiz-Cordova, Associate Director GWW



<http://www.globalwaterwatch.org/>







GWW  
Monitors



GWW  
Program



GWW Inc.



**Global Water Watch**  
Community-Based, Science-Based Watershed Stewardship

ABOUT GWW WHAT WE DO GET INVOLVED RESOURCES PROJECTS

Home > About GWW > Board of Directors

**Board of Directors**



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Njogu Kahare  
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Jay Lamar  
(USA)



Sam Fowler  
(USA)

The mission of GWW is to improve both water quality and water policy through citizen monitoring and action.





Global Water Watch is a worldwide network of community-based water monitoring groups.



Philippines



Thailand



China



USA-Alabama



Brazil



Perú



Mexico



Bolivia



Argentina



Ecuador

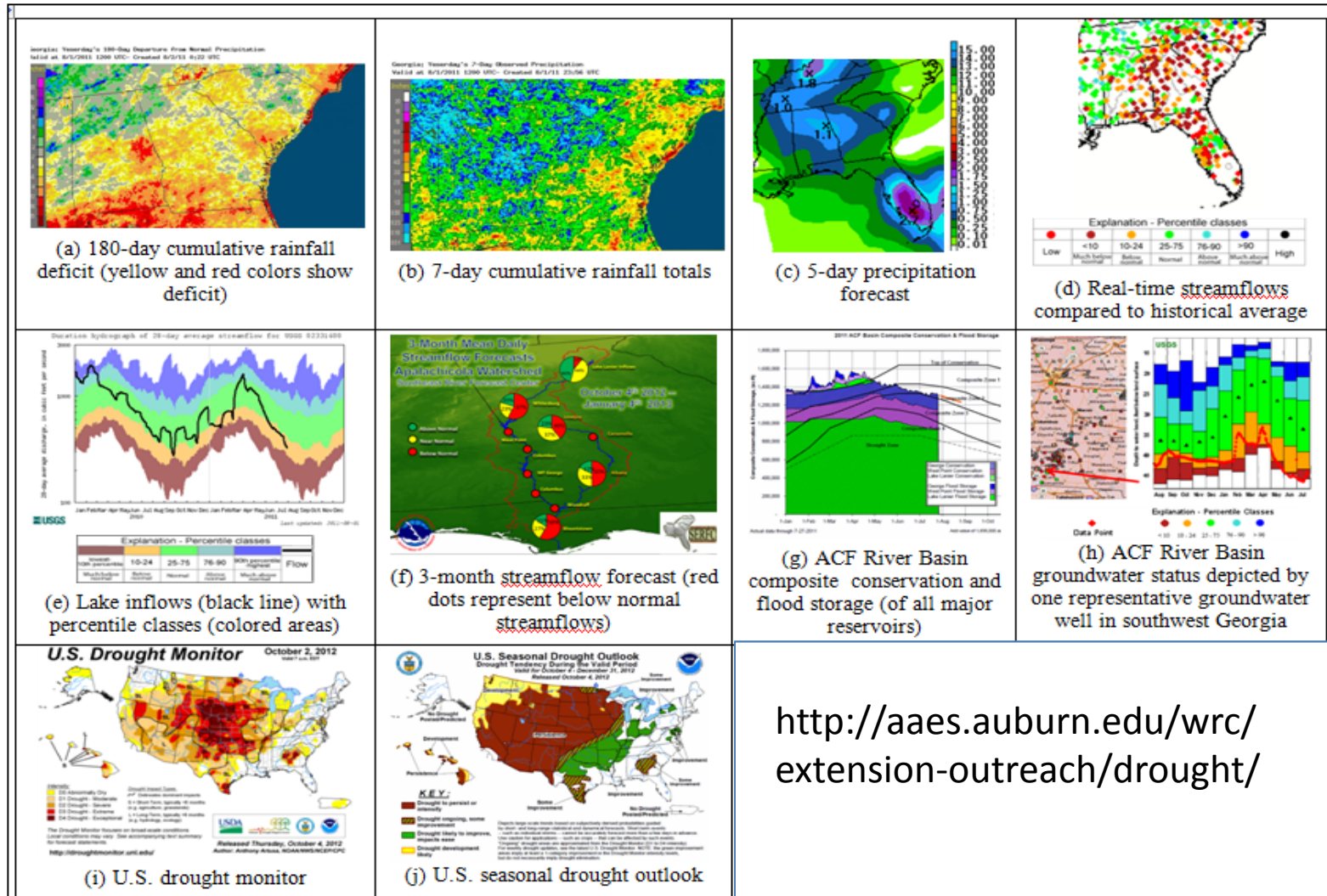


Kenya



Washington

# Apalachicola-Chattahoochee-Flint River Basin Drought Assessment Webinars (Monthly)



<http://aaes.auburn.edu/wrc/extension-outreach/drought/>

Climate work integral part of National Integrated Drought Information Systems (NIDIS) Drought Early Warning System



# Contact Information

Auburn University Water Resources Center

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4-H Alabama Water Watch

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Global Water Watch

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