

4-H ALABAMA WATER WATCH

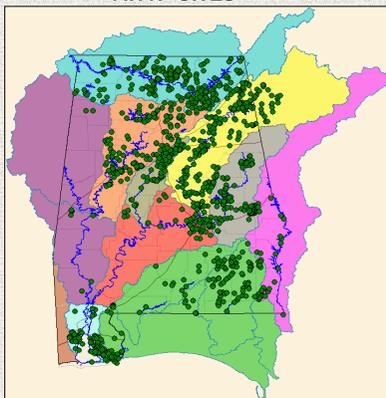


Mona Dominguez
4-H AWW Program Coordinator



A program dedicated to Citizen Volunteer Water Monitoring of Alabama's lakes, streams and coasts.

AWW SITES



Cumulative 1992-2015

- 290 Citizen Groups
- 6,600+ Certified Monitors
- 2,300 Sites
- 80,000+ Water Quality Records
- 40 Citizen Trainers
- 1,900+ Workshops

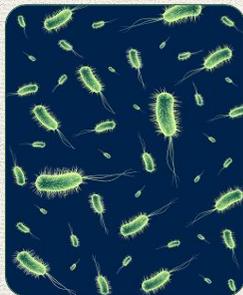
AWW Water Chemistry Monitoring



- Air Temperature
- Water Temperature
 - pH
 - Hardness
 - Alkalinity
- Dissolved Oxygen
- Turbidity and/or Secchi Disk Depth
 - + Salinity in Coastal Areas



AWW Bacteriological Monitoring



- E. coli
- General coliform



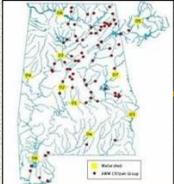
AWW is working to find a suitable way for citizens on the coast to measure enterococcus – the indicator that ADEM uses for saltwater bacteria testing.

AWW Online Database

People Data



Geo Data



Water Data





Graphs



Maps



Tables



AWW Stream Biomonitoring



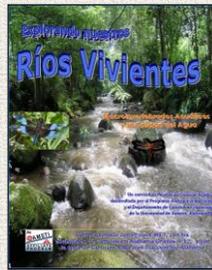
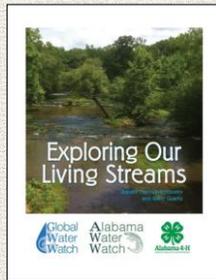



Aquatic Macroinvertebrates

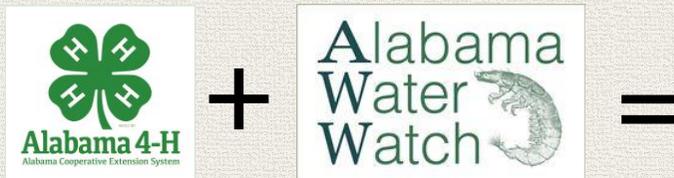
- Group I (Low Tolerance to Pollution, Good Water Quality)
- Group II (Wide Tolerance to Pollution, Fair Water Quality)
- Group III (High Tolerance to Pollution, Poor Water Quality)

Exploring Our Living Streams

An introduction to the aquatic insects of Alabama, and the story they tell about our streams and rivers.

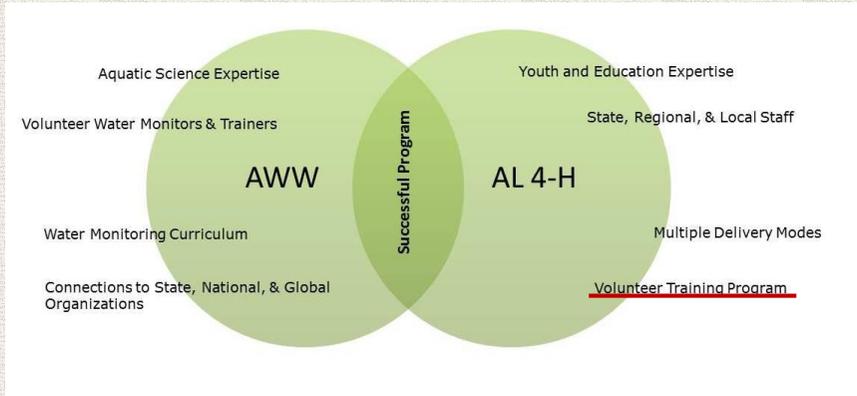


AWW and AL 4-H Partnership



Lots of exciting possibilities!!!!

AWW and AL 4-H Partnership



Today's Alabama 4-H

What do you picture, when you picture 4-H?



Alabama 4-H is not just for afterschool clubs...

Delivery Modes:

- In-school 4-H Clubs
- In-school Enrichment Programs
- Specialty Clubs
- Special Events (camps, leadership conferences, competitions, etc.)

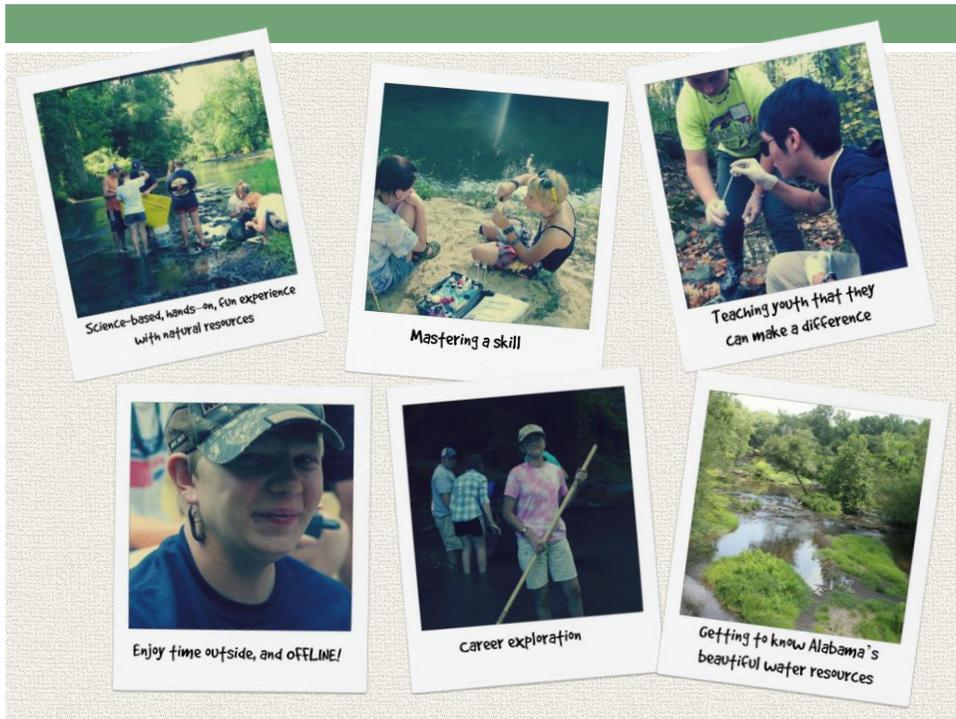


Alabama 4-H Natural Resource and Environmental Education Programs

- Alabama Water Watch – Program Coordinator, Mona Dominguez
- 4-H Alabama Outdoor Classroom Program – Program Coordinator, Doyle Keasal
- Junior Master Gardener – Program Coordinator, Luci Davis
- Alabama 4-H S.A.F.E – Program Coordinator, Shannon Andress

2015 Pilot Programs

- Junior Naturalist Program
- Sportsfishing
- Riverkids and Canoe/Kayak (Alabama Scenic Trails Partnership)



EPA Gulf of Mexico Program Support

- Partnering with the 4-H Alabama Water Watch Program to make this initiative a success!
- Providing participants with access to monitoring equipment
- Support from EPA staff for youth events



How to get started:

- Express interest to 4-H AWW Coordinator (me!)
- Get Certified as a 4-H AWW Trainer
- Meet 4-H Volunteer Requirements
- Work with 4-H and AWW to determine which students you will work with and in what format (club or classroom)



4-H AWW Benefits to Students

- Students who are trained by a 4-H AWW Youth Trainer, can become certified 4-H AWW Water Monitors!
- Students can submit their data and analyze the data with AWW's water data tools (once they are back up and running)
- Students will play a vital role in local watershed stewardship by identifying problems working towards their solutions!



THANK YOU!!!!



**LOVE THY
DOWNSTREAM
NEIGHBOR**
alabamawaterwatch.org

Mona Dominguez
4-H Alabama Water Watch

CASIC Building, Office 205
559 Devall Street
Auburn University, Alabama, 36849
www.alabamawaterwatch.org
334-844-9323 or 334-750-1130
srs0013@aces.edu