Increased Capabilities for Community-based, Water Data Analyses and Outreach.

2004 National Monitoring Conference
Building and Sustaining Successful Monitoring Programs
Chattanooga, Tennessee May 17-20, 2004

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Alabama Water Watch, Auburn University
Alabama Water Watch

A program dedicated to developing Citizen Volunteer Water Monitoring of Alabama’s Lakes, Streams and Coasts.

...helping local groups achieve their goals for clean water.
An AWW Data GOAL

To describe trends of stream and lake quality that are useful for decision-makers, educators and the general public.
Water Monitoring

Physico-Chemical

Bacteriological

Bioassessment
AWW some numbers...

Cumulative 1993-2004

- 1993 First Workshop
- 1996 *E. coli* Testing
- 200 Citizen Groups
- 4,000 Certified Monitors
- 1,600 Sampling Sites
- 500 + Waterbodies
- 150,000 Measurements
- 40% data entered online
- 35 Active Citizen Trainers
How are the data used?

- Basin Guides, Waterbody Reports and Data Interpretation Sessions for raising public awareness.
- Provided to local officials to address water quality issues.
- Provided to EPA and ADEM for 305b report, TMDL modeling, etc.
General Environmental Education
The Latest Additions to the AWW Waterbody Report Series

Citizen Volunteer
Water Quality Monitoring of Alabama’s Reservoirs
...special lakes worth protecting

Lake Wedowee
Alabama Water Watch
June 2003

Citizen Volunteer
Water Quality Monitoring on Alabama’s Streams
...protecting over 75,000 miles of aquatic treasures

Tri-River Region
Alabama Water Watch
December 2002
From the Headwaters to Yates Lake  1997-2003

*Bars are averages of all data measured at each site from 1997 through July 2003. Total number of readings = 220. Brackets within bars are ranges.*
Online Benefits...

Features of the Data Forum:
- Charts by ChartDirector
- Microsoft’s new ASP.NET
- Photographs Gallery
- Background watershed averaging
- Data Entry for Chemistry, Barter and Lake Profiles
- Data Editing for Personal and Geographic information
- Real-Time charting when data entered online
- USGS Aerial and Topographic elevation maps
- EPA Envirofacts, RTK and STORET databases
- Statistics for background watershed averaging
- Chart types incl Bubble, Polar, Pareto and others
- 3D(4) impaired streams

Short-cut to Site Histories:
Enter Site code: 4411

Real Time Graphs

AWW Site Maps
AWW single Site Data...

Water Temperature at site 07015001 in Lee County, AL
Hodnett Creek (Tallapoosa Watershed) 63 samples
AWW Site data and HUC 11 average...

Water Temperature at site 07015001 in Lee County, AL
Hodnett Creek (Tallapoosa Watershed) 62 samples
AWW Site data and HUC 8 average...

Water Temperature at site 07015001 in Lee County, AL
Hednett Creek (Tallapoosa Watershed) 62 samples
Latitude: 32.59203 N, Longitude: 85.59356 W Hydrologic Unit Code (HUC11): 03150110070
Oxygen Saturation at site 07001007 in Tallapoosa County, AL
Lake Martin (Tallapoosa Watershed) 111 samples
Latitude: 32.797965 N, Longitude: -85.820338 W Hydrologic Unit Code (HUC11): 03150109200
AWW Data corresponding with USGS Data

Turbidity for AWW Site: 07016009 located in Lee County
Watershed: Tallapoosa Waterbody, Chewacla Creek
Site Description: Lee County Road 159 at bridge
Current Records: 20  Total Records at this site: 56
