

ALABAMA WATER WATCH STREAM BIOMONITORING DATA FORM

online

Group Name: _____

Collector(s): _____ Address: _____

City: _____ State: _____ Zip: _____ Phone #: _____

Sample Date: _____ Sample Time: _____ AWW Site Code: _____

Watershed: _____ Waterbody: _____ County & State: _____

Sampling site location: _____

(Notify the AWW office about any changes in sampling site location.)

Waterbody condition: <input type="checkbox"/> Adequate Depth <input type="checkbox"/> Inadequate Depth <input type="checkbox"/> Dry <input type="checkbox"/> No Access					
Tidally influenced streams and rivers: <input type="checkbox"/> Rising Tide <input type="checkbox"/> Falling Tide <input type="checkbox"/> Uncertain					
Group I Taxa	Letter Code *	Group II Taxa	Letter Code *	Group III Taxa	Letter Code *
Stonefly		Dragonfly		Midge	
Mayfly		Damselfly		Aquatic Worm	
Caddisfly		Cranefly		Leech	
Riffle Beetle		Blackfly		Pouch Snail***	
Water Penny Beetle		Filtering Caddisfly**			
Snail		Hellgramite			
		Scud			
		Sowbug			
		Crayfish			
		Asiatic Clam			
Number of Taxa= _____ Multiply by 3 = _____ (Index Value)		Number of Taxa= _____ Multiply by 2 = _____ (Index Value)		Number of Taxa= _____ Multiply by 1 = _____ (Index Value)	

* **Letter Code:** R = 0 to 3 (Rare); C = 4 to 9 (Common); A = 10 or more (Abundant)

** Filtering Caddisflies are in the Family Hydropsychidae (gills on abdomen; common caddisfly)

*** Pouch snails are in the Family Physidae (shell opens to the left; air-breathing snail)

STREAM BIOTIC INDICES		STREAM QUALITY ASSESSMENT	
		<i>(Check box corresponding to Cumulative Index Value)</i>	
Total Number of Taxa <i>(Sum of Number of Taxa in each group)</i>		POOR <11	FAIR 11-16
Cumulative Index Value <i>(Sum of Index Values for each group)</i>		GOOD 17-22	EXCELLENT >22

ALABAMA WATER WATCH

STREAM BIOMONITORING DATA FORM

<p style="text-align: center;">Habitat Assessment</p> <p>Canopy cover: <input type="checkbox"/> open <input type="checkbox"/> partly shaded <input type="checkbox"/> shaded</p> <p>Predominate streamside vegetation:</p> <p><input type="checkbox"/> trees <input type="checkbox"/> shrubs <input type="checkbox"/> grasses <input type="checkbox"/> bare</p> <p>Predominant surrounding land use:</p> <p><input type="checkbox"/> forest <input type="checkbox"/> agriculture <input type="checkbox"/> field/pasture</p> <p><input type="checkbox"/> residential <input type="checkbox"/> commercial <input type="checkbox"/> industrial</p> <p><input type="checkbox"/> other _____</p>	<p style="text-align: center;">Chemical Assessment (optional)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">Water depth (cm)</td><td></td></tr> <tr><td style="text-align: center;">Air Temperature (°C)</td><td></td></tr> <tr><td style="text-align: center;">Water Temperature (°C)</td><td></td></tr> <tr><td style="text-align: center;">pH</td><td></td></tr> <tr><td style="text-align: center;">Alkalinity (mg/L)</td><td></td></tr> <tr><td style="text-align: center;">Hardness (mg/L)</td><td></td></tr> <tr><td style="text-align: center;">Dissolved Oxygen 1 (mg/L)</td><td></td></tr> <tr><td style="text-align: center;">Dissolved Oxygen 2 (mg/L)</td><td></td></tr> <tr><td style="text-align: center;">Turbidity (JTU)</td><td></td></tr> <tr><td style="text-align: center;">Other</td><td></td></tr> </table>	Water depth (cm)		Air Temperature (°C)		Water Temperature (°C)		pH		Alkalinity (mg/L)		Hardness (mg/L)		Dissolved Oxygen 1 (mg/L)		Dissolved Oxygen 2 (mg/L)		Turbidity (JTU)		Other	
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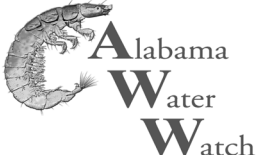
<p style="text-align: center;">Streambed Composition</p> <p>Width of riffle:</p> <p>Bed composition of riffle (%):</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">Silt</td><td></td></tr> <tr><td style="text-align: center;">Sand</td><td></td></tr> <tr><td style="text-align: center;">Gravel (1/4"-2")</td><td></td></tr> <tr><td style="text-align: center;">Cobbles (2"-10")</td><td></td></tr> <tr><td style="text-align: center;">Boulders (>10")</td><td></td></tr> <tr><td> </td><td></td></tr> </table> <p>Describe water conditions: (color, odor, bedgrowths, surface scum, etc.)</p> <p> </p> <p> </p>	Silt		Sand		Gravel (1/4"-2")		Cobbles (2"-10")		Boulders (>10")				<p style="text-align: center;">Sketch Site:</p> <div style="border: 1px solid black; height: 150px; width: 100%;"></div>
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<p>Comments: Note evidence of rainfall, runoff within previous 24 hours, cows or other animals in creek, etc.</p>	<p>AWW Office Use</p>

I have a current AWW certification in Stream Biomonitoring.

I do not have a current AWW certification in Stream Biomonitoring, but I am entering data for educational purposes.

Signature:

	<p>Alabama Water Watch 250 Upchurch Hall Auburn University, AL 36849-5419</p>	<p>Toll Free: 1-888-844-4785 Fax: 334-844-9208 Email: awwprog@auburn.edu Website: www.alabamawaterwatch.org Revised May-07</p>
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