

# GEORGIA ADOPT-A-STREAM: Chemical/Bacterial Form

To be conducted every month

<b>SITE INFORMATION</b>	Group Name: <u>WWALS</u>		Event Date: <u>5/1/2020</u> (MMDDYYYY)			
	Group ID: G- _____ Site ID: S- _____		Time Sample Collected: <u>9:30</u> (HHMM am/pm)			
	Stream Name: <u>FRANKS CREEK @</u>		Time Spent Sampling: <u>5</u> (Min)			
	Monitor(s): <u>Debbie Smith 122</u>		Total Time Spent Traveling (optional): <u>5</u> (Min)			
	Number of Participants: <u>1</u>		Furthest Distance Traveled (optional): <u>5</u> (Miles)			
<b>WEATHER</b>	<b>Present conditions (check all that apply)</b>			<b>Amount of rain, if known?</b>		
	<input type="checkbox"/> Heavy Rain <input type="checkbox"/> Steady Rain <input type="checkbox"/> Intermittent Rain <input type="checkbox"/> Overcast <input type="checkbox"/> Partly Cloudy <input checked="" type="checkbox"/> Clear/Sunny			Amount in Inches: _____ In Last Hours/Days: _____ *Refer to wunderground.com for rainfall data		
<b>OBSERVATIONS</b>	<b>Flow/Water Level:</b> (check all that apply) <input type="checkbox"/> Dry <input type="checkbox"/> Stagnant/Still <input type="checkbox"/> Low <input type="checkbox"/> Normal <input checked="" type="checkbox"/> High <input type="checkbox"/> Flow (over banks)					
	<b>Water Clarity:</b> <input checked="" type="checkbox"/> Clear/Transparent <input type="checkbox"/> Cloudy/Somewhat Turbid <input type="checkbox"/> Opaque/Turbid					
	<b>Water Color:</b> <input type="checkbox"/> No Color <input type="checkbox"/> Brown/Muddy <input type="checkbox"/> Green <input type="checkbox"/> Milky/White <input checked="" type="checkbox"/> Tannic <input type="checkbox"/> Other: _____					
	<b>Water Surface:</b> <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Oily Sheen: does it break when disturbed? <u>Yes</u> /No (circle one) <input type="checkbox"/> Algae <input type="checkbox"/> Foam <input type="radio"/> Greater than 3" high <input type="radio"/> It is white					
	<b>Water Odor:</b> <input checked="" type="checkbox"/> Natural/None <input type="checkbox"/> Gasoline <input type="checkbox"/> Sewage <input type="checkbox"/> Rotten Egg <input type="checkbox"/> Fishy <input type="checkbox"/> Chlorine <input type="checkbox"/> Other: _____					
	<b>Photos:</b> Please take images to document your observations and changes in water quality conditions. Photo point directions can be found in the manuals. Send photo to AAS@gaepd.org.					
	<b>Trash:</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Yes, I did a cleanup <input type="checkbox"/> This site needs an organized cleanup					
<b>CHEMICAL</b>	<b>Conductivity Meter Calibration (within 24hrs of sampling)</b>					
	Date _____ Time _____ Standard Value _____ Initial Meter Reading _____ Meter Adjusted to _____					
	Reagents: Are any reagents expired? <input type="checkbox"/> Yes <input type="checkbox"/> No   List any expired: _____					
	<b>Core Tests</b>		<b>Test 1</b>	<b>Test 2</b>	<b>Units</b>	<b>Other Tests</b>
	Air Temp	<u>31c</u>			°C	Secchi Depth(+/- 10)
	Water Temp	<u>25c</u>			°C	Chlorophyll a
pH (+/-0.25)	<u>6</u>	<u>6</u>		Standard unit	Salinity (+/- 1)	
Dissolved Oxygen (+/-0.6)	<u>7.8</u>	<u>8.0</u>		mg/L or ppm		
Conductivity	<u>6.5</u>			uS/cm		
<b>BACTERIAL</b>	<b>3M Petrifilm Method: Escherichia coli</b>					
	Run three (3) plates/tests for each site, plus one (1) blank plate. Process within 6-24hrs, incubate at 35°C ±1° and read at 24 ± 1 hr					
	<b>Plate</b>	<b>Colonies</b>	<b>Find AVG of Number of Colonies</b>		<b>cfu/100mL</b>	
	Blank	<u>0</u>	(total # colonies/total # of plates (do not include blank))			
	1	<u>3</u>	<u>( 4   3 ) x 100 =</u>		<u>133/100mL</u>	
	2	<u>0</u>	Sample Holding Time (HH): _____			
3	<u>1</u>	Date START (MMDDYYYY): <u>5/1/2020</u>				
Total # Colonies	<u>4</u>	Time START (HHMM): <u>5:30 PM</u>				
		Date END (MMDDYYYY): <u>5/2/2020</u>				
		Time END (HHMM): <u>5:20 PM</u>				
		MIN Temp (°C): <u>34.5</u>				
		MAX Temp (°C): <u>95</u>				
<b>COMMENTS</b>	Any changes since you last sampled at this site? If yes, please describe.					

Please submit data to our online database at [AdoptAStream.Georgia.gov](http://AdoptAStream.Georgia.gov)