

GEORGIA ADOPT-A-STREAM: Chemical/Bacterial Form

To be conducted every month

SITE INFORMATION	Group Name: <u>WWALS</u>	Event Date: <u>9/16/2024</u> (MMDDYYYY)
	Group ID: G- <u>1727</u> Site ID: S- <u>7776</u>	Time Sample Collected: <u>5:00</u> (HHMM am/pm)
	Stream Name: <u>FRANK'S CREEK @ 129</u>	Time Spent Sampling: <u>10</u> (Min)
	Monitor(s): <u>Debbie Smith</u>	Total Time Spent Traveling (optional): <u>5</u> (Min)
	Number of Participants: <u>1</u>	Furthest Distance Traveled (optional): <u>5</u> (Miles)

WEATHER	Present conditions (check all that apply) <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 of rain, if known? Amount in Inches: _____ In Last Hours/Days: _____ <small>*Refer to wunderground.com for rainfall data</small>
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OBSERVATIONS	Flow/Water Level: (check all that apply) <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Stagnant/Still <input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High <input type="checkbox"/> Flow (over banks)
	Water Clarity: <input type="checkbox"/> Clear/Transparent <input checked="" type="checkbox"/> Cloudy/Somewhat Turbid <input type="checkbox"/> Opaque/Turbid
	Water Color: <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: _____
	Water Surface: <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Oily Sheen: does it break when disturbed? Yes/No (circle one) <input type="checkbox"/> Algae <input type="checkbox"/> Foam <input type="checkbox"/> Greater than 3" high <input type="checkbox"/> It is white
	Water Odor: <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: _____
	Photos: 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.
	Trash: <input checked="" type="checkbox"/> None <input type="checkbox"/> Yes, I did a cleanup <input type="checkbox"/> This site needs an organized cleanup

CHEMICAL	Conductivity Meter Calibration (within 24hrs of sampling)							
	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: _____							
	Core Tests	Test 1	Test 2	Units	Other Tests	Test 1	Test 2	Units
	Air Temp	<u>24</u>		°C	Secchi Depth(+/- 10)			cm
	Water Temp	<u>24</u>		°C	Chlorophyll a			ug/L
	pH (+/-0.25)			Standard unit	Salinity (+/- 1)			ppt
Dissolved Oxygen (+/-0.6)			mg/L or ppm					
Conductivity			uS/cm					

BACTERIAL	3M Petrifilm Method: Escherichia coli			
	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			
	Plate	Colonies	Find AVG of Number of Colonies	
	Blank	<u>0</u>	(total # colonies/total # of plates (do not include blank))	
	1	<u>11</u>	$(25 \ 1 \ 3) \times 100 =$	
	2	<u>8</u>	<u>833/100mL</u>	
	3	<u>6</u>	<u>(fu)</u>	
Total # Colonies	<u>25</u>	Sample Holding Time (HH): <u>24</u> Date START (MMDDYYYY): <u>9/16/24</u> Time START (HHMM): <u>5:30 PM</u> MIN Temp (°C): <u>35</u>	Date END (MMDDYYYY): <u>9/17/24</u> Time END (HHMM): <u>5:30 PM</u> MAX Temp (°C): <u>35</u>	

COMMENTS	Any changes since you last sampled at this site? If yes, please describe. <u>The area around the stream is very overgrown.</u>
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