

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

To be conducted every month

SITE INFORMATION	Group Name: <u>WVACS</u>	Event Date: <u>3/6/2024</u> (MMDDYYYY)
	Group ID: G- <u>1727</u> Site ID: S- <u>7776</u>	Time Sample Collected: <u>10</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)

WEATHER	<b>Present conditions (check all that apply)</b> <input type="checkbox"/> Heavy Rain <input type="checkbox"/> Steady Rain <input type="checkbox"/> Intermittent Rain <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Partly Cloudy <input type="checkbox"/> Clear/Sunny	<b>Amount of rain, if known?</b> Amount in Inches: _____ In Last Hours/Days: _____ <small>*Refer to wunderground.com for rainfall data</small>
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OBSERVATIONS	<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 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
	<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

CHEMICAL	<b>Conductivity Meter Calibration (within 24hrs of sampling)</b>									
	Date _____		Time _____		Standard Value _____		Initial Meter Reading _____		Meter Adjusted to _____	
	<b>Reagents: Are any reagents expired?</b> <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>	<b>Test 1</b>	<b>Test 2</b>	<b>Units</b>		
	Air Temp			°C	Secchi Depth(+/- 10)			cm		
	Water Temp			°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	<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>	
	Blank	0	(total # colonies/total # of plates (do not include blank))	
	1	2	( 11 1 3 ) x 100 =	
	2	2	367/100 mL	
3	7	Sample Holding Time (HH): <u>24</u>	Date END (MMDDYYYY): <u>3/7/2024</u>	
Total # Colonies	11	Date START (MMDDYYYY): <u>3/6/2024</u>	Time END (HHMM): <u>5:30 PM</u>	
		Time START (HHMM): <u>5:30 PM</u>	MAX Temp (°C): <u>35°C</u>	
		MIN Temp (°C): <u>45.94 57 / 39.5°C</u>		

COMMENTS	<b>Any changes since you last sampled at this site? If yes, please describe.</b> <u>Increased rain on the day before sampling.</u>
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Please submit data to our online database at [AdoptAStream.Georgia.gov](http://AdoptAStream.Georgia.gov)