

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

To be conducted every month

SITE INFORMATION	Group Name: <u>WWALS</u>	Event Date: <u>7/3/2024</u> (MMDDYYYY)
	Group ID: G- <u>1727</u> Site ID: S- <u>9776</u>	Time Sample Collected: <u>6:00</u> (HHMM am/pm)
	Stream Name: <u>FRANKS CREEK</u>	Time Spent Sampling: <u>10</u> (Min)
	Monitor(s): <u>Debbie Swell @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 type="checkbox"/> Partly Cloudy <input checked="" 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 <u>7/4</u> Time <u>4:00</u> Standard Value _____ Initial Meter Reading <u>1413</u> Meter Adjusted to _____							
	Reagents: Are any reagents expired? <input type="checkbox"/> Yes <input checked="" 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	<u>35</u>		°C	Secchi Depth(+/- 10)			cm
	Water Temp	<u>27</u>		°C	Chlorophyll a			ug/L
	pH (+/-0.25)	<u>6.5</u>	<u>6.25</u>	Standard unit	Salinity (+/- 1)			ppt
Dissolved Oxygen (+/-0.6)	<u>5.25</u>	<u>5.5</u>	mg/L or ppm					
Conductivity	<u>34.5</u>		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	<u>0</u>	(total # colonies/total # of plates (do not include blank))	
	1	<u>19</u>	<u>30</u> ( <u>30 / 3</u> ) x 100 = <u>1,133</u>	
	2	<u>8</u>	Sample Holding Time (HH): <u>24 hrs</u>	
	3	<u>12</u>	Date START (MMDDYYYY): <u>6:30 PM</u>	
Total # Colonies	<u>39</u>	Time START (HHMM): <u>7/3/24</u>		
		Date END (MMDDYYYY): <u>7/4/24</u>		
		Time END (HHMM): <u>6:30 PM</u>		
		MIN Temp (°C): <u>25</u> <u>34</u>		
		MAX Temp (°C): <u>35</u>		

COMMENTS	Any changes since you last sampled at this site? If yes, please describe.
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Please submit data to our online database at [AdoptAStream.Georgia.gov](http://AdoptAStream.Georgia.gov)

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