

GEORGIA ADOPT-A-STREAM: Chemical/Bacterial Form

To be conducted every month

SITE INFORMATION	Group Name: <u>WWALS</u>		Event Date: <u>4/16/2025</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 @ 122</u>		Time Spent Sampling: <u>5</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 type="checkbox"/> Stagnant/Still <input type="checkbox"/> Low <input type="checkbox"/> Normal <input checked="" type="checkbox"/> High <input type="checkbox"/> Flow (over banks)			
	Water Clarity: <input checked="" type="checkbox"/> Clear/Transparent <input 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				°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	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		cfu/100mL
	Blank	0	(total # colonies/total # of plates (do not include blank))		
	1	4	(<u>8</u> / <u>3</u>) x 100 =		<u>267/100mL</u>
	2	2	Sample Holding Time (HH): <u>24 hrs</u>		
	3	2	Date START (MMDDYYYY): <u>4/16/2025</u>		Date END (MMDDYYYY): <u>4/17/2025</u>
	Total # Colonies	8	Time START (HHMM): <u>7:00 PM</u>		Time END (HHMM): <u>7:00 PM</u>
		MIN Temp (°C): <u>94.5</u> <u>33.5</u>		MAX Temp (°C): <u>95</u> <u>33.5</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