

GEORGIA ADOPT-A-STREAM: Chemical/Bacterial Form

To be conducted every month

SITE INFORMATION	Group Name: <u>WWALS</u>		Event Date: <u>5/26/2025</u> (MMDDYYYY)	
	Group ID: G- <u>1727</u>	Site ID: S- <u>7746</u>	Time Sample Collected: <u>3:30</u> (HHMM am/pm)	
	Stream Name: <u>FRA</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 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 type="checkbox"/> Clear <input type="checkbox"/> Oily Sheen: does it break when disturbed? Yes/No (circle one) <input checked="" type="checkbox"/> Algae <input type="checkbox"/> Foam <input type="radio"/> Greater than 3" high <input type="radio"/> 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>28c</u>	<u>32c</u>	°C	Secchi Depth(+/- 10)				cm
	Water Temp		<u>28c</u>		°C	Chlorophyll a				ug/L
	pH (+/-0.25)				Standard unit	Salinity (+/- 1)				ppt
Dissolved Oxygen (+/-0.6)				mg/L or ppm						
Conductivity		<u>X</u>		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>2</u>	(<u>313</u>) x 100 =	
	2	<u>21</u>		
	3	<u>6</u>		
Total # Colonies		<u>4</u>		
Sample Holding Time (HH):		<u>30 minutes</u>		
Date START (MMDDYYYY):		<u>5/26/25</u>		
Time START (HHMM):		<u>4:00 PM</u>		
MIN Temp (°C):		<u>97.5 F</u>		
Date END (MMDDYYYY):		<u>5/27/25</u>		
Time END (HHMM):		<u>3:30 PM</u>		
MAX Temp (°C):		<u>97.5</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