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

***To be conducted every month***

**SITE INFORMATION**

Group Name: WWAS
Group ID: G-1727 Site ID: S-
Stream Name: Mill Creek
Monitor(s): JS
Number of Participants: 3

Event Date: 06 21 2025 (MMDDYYYY)
Time Sample Collected: 15:15 (HHMM am/pm)
Time Spent Sampling: 90 (Min)
Total Time Spent Traveling *(optional)*: ~~120~~ 140 (Min)
Furthest Distance Traveled *(optional)*: 62 (Miles)

**WEATHER**

***Present conditions (check all that apply)***
☐ Heavy Rain ☐ Steady Rain ☐ Intermittent Rain
☐ Overcast ☐ Partly Cloudy ☑ Clear/Sunny

***Amount of rain, if known?***
Amount in Inches :_____
In Last Hours/Days:_____
*Refer to *wunderground.com* for rainfall data

**OBSERVATIONS**

***Flow/Water Level:*** *(check all that apply)* ☐ Dry ☐ Stagnant/Still ☐ Low ☑ Normal ☐ High ☐ Flow (over banks)

***Water Clarity:*** ☐ Clear/Transparent ☑ Cloudy/Somewhat Turbid ☐ Opaque/Turbid

***Water Color:*** ☐ No Color ☐ Brown/Muddy ☑ Green ☐ Milky/White ☐ Tannic ☐ Other:_____

***Water Surface:*** ☑ Clear ☐ Oily Sheen: does it break when disturbed? Yes/No (circle one) ☐ Algae
☐ Foam ◯ Greater than 3" high ◯ It is white

***Water Odor:*** ☐ Natural/None ☐ Gasoline ☐ Sewage ☐ Rotten Egg
☐ Fishy ☐ Chlorine ☐ 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:*** ☑ None ☐ Yes, I did a cleanup ☐ 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?** ☐ Yes ☐ No List any expired: _____

| Core Tests | Test 1 | Test 2 | Units | Other Tests | Test 1 | Test 2 | Units |
|---|---|---|---|---|---|---|---|
| Air Temp | 36 | | °C | Secchi Depth(+/- 10) | | | cm |
| Water Temp | 27 | | °C | Chlorophyll a | | | ug/L |
| pH (+/-0.25) | 7.5 | 7.5 | Standard unit | Salinity (+/- 1) | | | ppt |
| Dissolved Oxygen (+/-0.6) | 4 | 4.5 | 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 |
|---|---|
| Blank | |
| 1 | 1 |
| 2 | 0 |
| 3 | 1 |
| Total # Colonies | 2 |
| | |

**Find AVG of Number of Colonies** (total # colonies/total # of plates (do not include blank)): ( 2 / 3 ) x 100 = 66

**cfu/100mL**: 66

Sample Holding Time (HH): 23:19
Date START(MMDDYYYY): 06212025
Time START (HHMM): 18:00
MIN Temp (°C): 94.5

Date END (MMDDYYYY): 06222025
Time END (HHMM): 17:19
MAX Temp (°C): 95.5

**COMMENTS**

***Any changes since you last sampled at this site? If yes, please describe.***

***Please submit data to our online database at AdoptAStream.Georgia.gov***