GEORGIA ADOPT-A-STREAM: Bacterial Form

To be conducted every month

SITE INFORMATION

Group Name:_____

Group ID: G-_____   Site ID: S-_____

Stream Name:_____

Monitor(s):_____

Number of Participants:_____

Event Date: _____ (MMDDYYYY)

Time Sample Collected:_____ (HHMM am/pm)

Time Spent Sampling: _____ (Min)

Total Time Spent Traveling *(optional)* : _____ (Min)

Furthest Distance Traveled *(optional)* : _____ (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 photos to AAS@gaepd.org.

Trash: ☐ None ☐ Yes, I did a cleanup ☐ This site needs an organized cleanup

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		(total # colonies/total # of plates (do not include blank)	
1		(/) x 100 =	
2		Sample Holding Time (HH): _____	
3		Date START(MMDDYYYY): _____ Date END (MMDDYYYY):_____	
Total # Colonies		Time START (HHMM):_____ Time END (HHMM):_____	
		MIN Temp (^{0}C):_____ MAX Temp (^{0}C): _____	

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