GEORGIA ADOPT-A-STREAM: Chemical/Bacterial Form

To be conducted every month

SITE INFORMATION

Group Name: WWACS

Group ID: G-1727 Site ID: S-7776

Stream Name: FRANK'S CRK 122

Monitor(s): Debbie Smith

Number of Participants: 1

Event Date: 11/13/2024 (MMDDYYYY)

Time Sample Collected: 3:30 (HHMM am/(pm))

Time Spent Sampling: 5 (Min)

Total Time Spent Traveling *(optional)*: 10 (Min)

Furthest Distance Traveled *(optional)*: 5 (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			^{0}C	Secchi Depth(+/- 10)			cm
Water Temp			^{0}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
Blank	0
1	2
2	4
3	4
Total # Colonies	10

Find AVG of Number of Colonies (total # colonies/total # of plates (do not include blank))	cfu/100mL
(10 / 3) x 100 =	333

Sample Holding Time (HH): 24 hrs

Date START(MMDDYYYY): 11/13/2024

Time START (HHMM): 4:00 PM

MIN Temp (^{0}C): ~~95~~ 34

Date END (MMDDYYYY): 11/14/2024

Time END (HHMM): 4:00 PM

MAX Temp (^{0}C): 34

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