

Hodor Park
Date: 6.9.22
Tchektucknee

GEORGIA ADOPT-A-STREAM: Chemical/Bacterial Form

To be conducted every month

SITE INFORMATION	Group Name: <u>WALS Watershed</u> Event Date: <u>6-9-22</u> (MMDDYYYY) Group ID: G- <u>1727</u> Site ID: S- <u>51997</u> Time Sample Collected: <u>11:35 pm</u> (HHMM am/pm) Stream Name: <u>Tchektucknee 7375</u> Time Spent Sampling: <u>10</u> (Min) Monitor(s): <u>Pam, Clare</u> Total Time Spent Traveling (optional): <u>15</u> (Min) Number of Participants: <u>2</u> Furthest Distance Traveled (optional): _____ (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 checked="" type="checkbox"/> Partly Cloudy <input type="checkbox"/> Clear/Sunny Amount of rain, if known? Amount in Inches: <u>0</u> In Last Hours/Days: <u>24</u> <small>*Refer to wunderground.com for rainfall data</small>																																																	
OBSERVATIONS	Flow/Water Level: (check all that apply) <input type="checkbox"/> Dry <input type="checkbox"/> Stagnant/Still <input type="checkbox"/> Low <input checked="" type="checkbox"/> Normal <input 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 checked="" type="checkbox"/> No Color <input type="checkbox"/> Brown/Muddy <input type="checkbox"/> Green <input type="checkbox"/> Milky/White <input 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@gapd.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: _____ <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Core Tests</th> <th>Test 1</th> <th>Test 2</th> <th>Units</th> <th>Other Tests</th> <th>Test 1</th> <th>Test 2</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>Air Temp</td> <td><u>29</u></td> <td></td> <td>°C</td> <td>Secchi Depth(+/- 10)</td> <td></td> <td></td> <td>cm</td> </tr> <tr> <td>Water Temp</td> <td><u>20.25</u></td> <td></td> <td>°C</td> <td>Chlorophyll a</td> <td></td> <td></td> <td>ug/L</td> </tr> <tr> <td>pH (+/-0.25)</td> <td><u>7</u></td> <td></td> <td>Standard unit</td> <td>Salinity (+/- 1)</td> <td></td> <td></td> <td>ppt</td> </tr> <tr> <td>Dissolved Oxygen (+/-0.6)</td> <td></td> <td></td> <td>mg/L or ppm</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Conductivity</td> <td></td> <td></td> <td>uS/cm</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Core Tests	Test 1	Test 2	Units	Other Tests	Test 1	Test 2	Units	Air Temp	<u>29</u>		°C	Secchi Depth(+/- 10)			cm	Water Temp	<u>20.25</u>		°C	Chlorophyll a			ug/L	pH (+/-0.25)	<u>7</u>		Standard unit	Salinity (+/- 1)			ppt	Dissolved Oxygen (+/-0.6)			mg/L or ppm					Conductivity			uS/cm				
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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 <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Plate</th> <th>Colonies</th> <th rowspan="2">Find AVG of Number of Colonies (total # colonies/total # of plates (do not include blank))</th> <th rowspan="2">cfu/100mL</th> </tr> </thead> <tbody> <tr> <td>Blank</td> <td><u>0</u></td> <td rowspan="4"> $(\frac{1}{33}) \times 100 =$ <u>33</u> </td> </tr> <tr> <td>1</td> <td><u>1</u></td> </tr> <tr> <td>2</td> <td><u>0</u></td> </tr> <tr> <td>3</td> <td><u>0</u></td> </tr> <tr> <td>Total # Colonies</td> <td><u>1</u></td> <td></td> <td></td> </tr> </tbody> </table> Sample Holding Time (HH): <u>2 hours</u> Date START(MMDDYYYY): <u>06/09/2022</u> Date END (MMDDYYYY): <u>06/10/2022</u> Time START (HHMM): <u>2:15 pm</u> Time END (HHMM): <u>2:55</u> MIN Temp (°C): <u>95</u> MAX Temp (°C): <u>96.4</u>		Plate	Colonies	Find AVG of Number of Colonies (total # colonies/total # of plates (do not include blank))	cfu/100mL	Blank	<u>0</u>	$(\frac{1}{33}) \times 100 =$ <u>33</u>	1	<u>1</u>	2	<u>0</u>	3	<u>0</u>	Total # Colonies	<u>1</u>																																	
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COMMENTS	Any changes since you last sampled at this site? If yes, please describe. <u>10.65 inches @ Trepo Garage</u> Please submit data to our online database at AdoptAStream.Georgia.gov																																																	