### GEORGIA ADOPT-A-STREAM: Macroinvertebrate Form (page 1)

**To be conducted quarterly**

### Site Information

<table>
<thead>
<tr>
<th>Group Name:</th>
<th>Chattahoochee Hills Creek Keepers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group ID:</td>
<td>G-1214</td>
</tr>
<tr>
<td>Site ID:</td>
<td>S-1507</td>
</tr>
<tr>
<td>Stream Name:</td>
<td>Little Bear Creek</td>
</tr>
<tr>
<td>Monitor(s):</td>
<td>Matt and Mary Mayfly</td>
</tr>
<tr>
<td>Number of Participants:</td>
<td>2</td>
</tr>
</tbody>
</table>

### 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: **0.5**
  - In Last Hours/Days: **3 days**

*Refer to wunderground.com for rainfall data*

### Observations

- **Flow/Water Level:**
  - Dry
  - Stagnant/Still
  - Low
  - Normal
  - High
  - Flood (over banks)

- **Water Clarity:**
  - Clear/Transparent
  - Cloudy/Somewhat Turbid
  - Opaque/Turbid
  - Other:_________________

- **Water Color:**
  - No Color
  - Brown/Muddy
  - Green
  - Milky/White
  - Tannic
  - Other:_________________

- **Water Surface:**
  - Clear
  - Oily sheen: Does it break when disturbed? **Yes**
  - Greater than 3” high
  - It is pure white
  - Other:_________________

- **Water Odor:**
  - Natural/None
  - Gasoline
  - Sewage
  - Rotten Egg
  - Fishy
  - Chlorine
  - Other:_________________

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

### Event Date:
- 05/12/2020 (MMDDYYYY)

### Time Sample Collected:
- 10:00 am (HHMM am/pm)

### Time Spent Sampling:
- 45 (Min)

### Total Time Spent Traveling (optional):
- 30 (Min)

### Furthest Distance Traveled (optional):
- 12 (Miles)

### Event:
- Yes. Noticed that a large area of the east bank has collapsed since my last monitoring visit. Also, there is now a beaver dam just upstream of where we sample.

### 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.

### Comments:

Please submit data to our online database at AdoptAStream.Georgia.gov
**Habits Sampled:**
- Leaf Packs/Woody Debris
- Vegetated Bank Margin
- Riffle
- Streambed with silty area (very fine particles)
- Streambed with Sand or small gravel

**Directions:** Consult the macroinvertebrate monitoring manual for sampling guidelines

1. Separate the macroinvertebrates into the different taxa groupings listed in the table below.
2. Note which **taxa** are present and their **abundance code** based on the number of individuals present in your sample. Enter these codes in the boxes below for each taxa. *Abundance Codes:* **R** (rare)=1-9, **C** (common)=10-99, and **D** (dominant)=100 individuals or greater

<table>
<thead>
<tr>
<th>SENSITIVE TAXA</th>
<th>SOMEWHAT SENSITIVE TAXA</th>
<th>TOLERANT TAXA</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Stonefly Nymphs</td>
<td>[C] Common Net Spinning Caddisflies</td>
<td>[ ] Midge Fly Larvae</td>
</tr>
<tr>
<td>[R] Mayfly Nymphs</td>
<td>[ ] Dobsonfly/Helgrammite &amp; Fishfly</td>
<td>[C] Black Fly Larvae</td>
</tr>
<tr>
<td>[ ] Water Penny Larvae</td>
<td>[C] Dragonfly &amp; Damselfly Nymphs</td>
<td>[C] Lunged Snails</td>
</tr>
<tr>
<td>[ ] Riffle Beetle Larvae/Adults</td>
<td>[R] Crayfish</td>
<td>[ ] Aquatic Worms</td>
</tr>
<tr>
<td>[ ] Aquatic Snipe Flies</td>
<td>[R] Crane Flies</td>
<td>[C] Leeches</td>
</tr>
<tr>
<td>[R] Caddisflies</td>
<td>[ ] Aquatic Sow Bugs</td>
<td></td>
</tr>
<tr>
<td>[ ] Gilled Snails</td>
<td>[ ] Scud</td>
<td></td>
</tr>
<tr>
<td>[ ] Gilled Snails</td>
<td>[ ] Clams &amp; Mussels</td>
<td></td>
</tr>
</tbody>
</table>

| 2 # groups times 3 = 6 | 4 # groups times 2 = 8 | 3 # groups times 1 = 3 |

Now add together the three index values to get your **Water Quality Index Score** = 17

Use this score to find out your **Water Quality Rating** for your stream (below). Good water quality is indicated by a variety of different kinds of taxa/organisms, with no one kind making up a majority of the sample.

**Water Quality Rating**

[ ] Excellent (>22)  [✓] Good (17-22)  [ ] Fair (11-16)  [ ] Poor (<11)

**Optional:** Do you see any of the following in your samples? Please count number of individuals.

- [✓] Fishes  # : 8
- [ ] Asian Clams  # : ______
- [ ] Tadpoles  # : ______
- [ ] Nonnative Crayfish  Which species?
- [ ] Salamanders  # : ______

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