

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

To be conducted quarterly

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: _____ <i>*Refer to wunderground.com for rainfall data</i>	
OBSERVATIONS	Flow/Water Level: (check all that apply) ☐ 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/No (circle one) ☐ Algae ☐ Foam ☐ 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	
	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	Any changes since you last sampled at this site? If yes, please describe. 	

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

GEORGIA ADOPT-A-STREAM: Macroinvertebrate Form (page 2)

METHODS	Stream Type: ☐ Rocky Bottom Stream ☐ Muddy Bottom Stream		
	Method Used: ☐ Kick seine (2 x 2 ft area) ☐ D-Frame net (1 x 1 area) Total Area Sampled: _____ ft ²		
	Habitats 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. <i>Abundance Codes: R (rare)=1-9, C (common)=10-99, and D (dominant)=100 individuals or greater</i>		
TAXA GROUPS			
	SENSITIVE TAXA ☐ Stonefly Nymphs ☐ Mayfly Nymphs ☐ Water Penny Larvae ☐ Riffle Beetle Larvae/Adults ☐ Aquatic Snipe Flies ☐ Caddisflies ☐ Gilled Snails	SOMEWHAT SENSITIVE TAXA ☐ Common Net Spinning Caddisflies ☐ Dobsonfly/Helgrammite & Fishfly ☐ Dragonfly & Damselfly Nymphs ☐ Crayfish ☐ Crane Flies ☐ Aquatic Sow Bugs ☐ Scud ☐ Clams & Mussels	TOLERANT TAXA ☐ Midge Fly Larvae ☐ Black Fly Larvae ☐ Lunged Snails ☐ Aquatic Worms ☐ Leeches
WATER QUALITY INDEXING	☐ # groups times 3 = _____ ☐ # groups times 2 = _____ ☐ # groups times 1 = _____		
	Now add together the three index values to get your Water Quality Index Score = _____ 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)		
OTHER	Optional: Do you see any of the following in your samples? Please count number of individuals.		
	☐ Fishes #: _____ ☐ Asian Clams #: _____ ☐ Salamanders #: _____ ☐ Tadpoles #: _____ ☐ Nonnative Crayfish Which species? _____		

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