ADOPT a STREAM
Macroinvertebrate Data Form

Site Info

Site ID	Distance (miles, Traveled one-way)	Travel Time (minutes, one-way)

Monitoring Group	Sampling Time (minutes)	Certified Participants (first and last name)

Time	Date (mm/dd/yyyy)	
☐ AM ☐ PM	___ / ___ / _____	

Rain?

Rainfall *(REQUIRED)* www.cocorahs.org

_____ inches **in the last 24 hours.**

Weather
☐ Sunny   ☐ Partly Cloudy   ☐ Overcast   ☐ Intermittent Rain
☐ Steady Rain   ☐ Heavy Rain

DO NOT SAMPLE during unsafe conditions or after rain events

Observations

Water Level
☐ Dry   ☐ Flood   ☐ High   ☐ Low
☐ Normal   ☐ Stagnant

Water Color (use clear container)*
☐ No Color   ☐ Brown   ☐ Green   ☐ White   ☐ Tannic
☐ Other: _____

Water Surface
☐ Clear   ☐ Oily Sheen   ☐ Algae
☐ Foam   ☐ Other:_____

Water Odor*
☐ None   ☐ Gasoline   ☐ Sewage   ☐ Fishy
☐ Chlorine   ☐ Other: _____

Illegal Dumping*
☐ Clean   ☐ I cleaned site
☐ Needs organized cleanup

Clarity (Sediment?)
☐ Clear/Transparent   ☐ Cloudy/Somewhat Turbid
☐ Opaque/Turbid

Alerts are generated when unusual colors, odors or illegal dumping are selected.

Hazards
☐ Steep Bank   ☐ Trash   ☐ Fast Current
☐ Other: _____

Bacteria Sources
☐ Dog   ☐ Goose   ☐ Livestock   ☐ Human
☐ Other: _____

Security
☐ Drug Abuse   ☐ Vagrancy   ☐ Animals
☐ Other: _____

Fish Barriers
☐ Incised Culvert   ☐ Perched Culvert   ☐ Low Flow
☐ Dam   ☐ Other: _____

Reach Dimensions (Optional)
Active Channel Width _____ (feet)
Bank Full Width _____
Depth to Water _____

If outfall/pipe is present, is it flowing after 3 days of dry weather?
☐ Yes   ☐ No   ☐ N/A

Photos (Additional photos can be emailed to **scaas@dhec.sc.gov** as a .jpeg file type)

☐ Upstream   ☐ Downstream   ☐ Extra Photo

Field Checklist:

☐ Macro Guidebook   ☐ Camera   ☐ Nets   ☐ Sorting Pan
☐ Pen   ☐ Trash Bag   ☐ Spoons   ☐ Ice Trays
☐ Gloves   ☐ Paper Towels   ☐ Paint Brush   ☐ Buckets
☐ Rinse Bottles   ☐ Closed-toe Shoes   ☐ Tweezers   ☐ Clear Container

❗
Non-coastal plains sample summer and winter.
Coastal plain sample winter and spring.

- Separate the macroinvertebrates into the different taxa groupings listed in the table below.
- Spend a full hour collecting from a variety of habitats for a 100-300 foot section of stream. Then, take as much time as you need to identify what you find.
- If you sample with a partner you both should collect macroinvertebrates for 30 minutes (for a total of 1 hour combined).

- Note what taxa are present and their **"R,C,D" abundance** code based on the number of individuals present in your sample.
  - *(R)are=1–9,*
    (C)ommon = 10–99, and
    (D)ominant = 100 individuals or greater.
- Circle 'Present' if taxa is found during sampling event.
- Total the presence score to get the **Water Quality Index** rating.

Experiencing a fish kill, health hazard or dangerous pollution event?

Call DHEC's Emergency Hotline at **1-888-481-0125.**

Taxa Groups

TAXA	R	C	D	TALLY	PRESENT? (If Yes, Circle)
Aquatic Snipe Flies					3
Caddisflies					3
Gilled Snails					3
Mayfly					3
Riffle Beetle Larvae/Adults					3
Stonefly					3
Water Penny Larvae					3
Aquatic Sow Bug					2
Clams & Mussels					2
Common Net Spinning Caddisflies					2
Crane Flies					2
Crayfish					2
Dobsonfly/Helgrammites-Fishfly-Alderfly					2
Dragonfly & Damselfly					2
Scud					2
Aquatic Worms					1
Black Fly Larvae					1
Leeches					1
Lunged Snails					1
Midge Fly Larvae					1

Water Quality Index/Rating

☐ Excellent (>22)   ☐ Good (17–22)   ☐ Fair (11–16)   ☐ Poor (<11)

Water Quality Index Score
(Total Score of Taxa Groups)   _____

Other Info

Method Used	**Habitats Sampled**	**Other Taxa** (List number found of each.)
☐ Kick Net	☐ Leaf Packs/Woody Debris	☐ Fish____ ☐ Asian Clams____
☐ D-Frame	☐ Vegetative Margins ☐ Riffle	☐ Salamanders____ ☐ Tadpoles____
☐ Other: _____	☐ Streambed (silt) ☐ Streambed (gravel)	☐ Non-native Crayfish____

Comments Any changes since last sampling?

Visit www.scadoptastream.org to view and enter data.

Use this handy ruler for a quick size check!

INCH
0   1   2   3   4   5   6