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 AM PM	**Date** (mm/dd/yyyy) ___ / ___ / _____	

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@des.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.

Directions

- 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 SCDES Emergency Hotline
1-888-481-0125

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

Taxa Groups

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

☐ Kick Net
☐ D-Frame
☐ Other: _____

Habitats Sampled

☐ Leaf Packs/Woody Debris
☐ Vegetative Margins ☐ Riffle
☐ Streambed (silt) ☐ Streambed (gravel)

Other Taxa (List number found of each.)

☐ Fish____ ☐ Asian Clams____
☐ Salamanders____ ☐ Tadpoles____
☐ 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!