

SC Adopt-a-Stream **FRESHWATER** Data Form

Site ID		Distance Traveled (miles, 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)			

Site

Rainfall (REQUIRED)	Inches	Weather	<input type="checkbox"/> Sunny <input type="checkbox"/> Partly Cloudy <input type="checkbox"/> Intermittent Rain <input type="checkbox"/> Steady Rain
	In last 24 hours	www.cocorahs.org	***DO NOT SAMPLE during unsafe conditions or after rain events***

Weather

Water Level	<input type="checkbox"/> Dry <input type="checkbox"/> Flood (Over Banks) <input type="checkbox"/> High <input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> Stagnant/Still	Water Color (use clear container)	<input 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 type="checkbox"/> Clear <input type="checkbox"/> Oily Sheen <input type="checkbox"/> Algae <input type="checkbox"/> Foam <input type="checkbox"/> Other: _____	Water Odor	<input type="checkbox"/> Natural/None <input type="checkbox"/> Gasoline <input type="checkbox"/> Sewage <input type="checkbox"/> Fishy <input type="checkbox"/> Chlorine <input type="checkbox"/> Other: _____
Illegal Dumping?	<input type="checkbox"/> Site is clean <input type="checkbox"/> I cleaned site <input type="checkbox"/> Site needs organized cleanup	Water Clarity (Sediment?)	<input type="checkbox"/> Clear/Transparent <input type="checkbox"/> Cloudy/Somewhat Turbid <input type="checkbox"/> Opaque/Turbid
*** Alerts are generated when unusual colors, odors or illegal dumping are selected***			
Hazards	<input type="checkbox"/> Steep Bank <input type="checkbox"/> Trash <input type="checkbox"/> Fast Current <input type="checkbox"/> Other: _____	Bacteria Sources	<input type="checkbox"/> Dog <input type="checkbox"/> Goose <input type="checkbox"/> Livestock <input type="checkbox"/> Human <input type="checkbox"/> Other: _____
Security	<input type="checkbox"/> Drug Abuse <input type="checkbox"/> Vagrancy <input type="checkbox"/> Animals <input type="checkbox"/> Other: _____	Fish Movement Barriers	<input type="checkbox"/> Incised Culvert <input type="checkbox"/> Perched Culvert <input type="checkbox"/> Low Flow <input type="checkbox"/> Dam <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Photos	<input type="checkbox"/> Upstream Photo <input type="checkbox"/> Downstream Photo <input type="checkbox"/> Extra Photo **Additional Photos can be emailed to scaas@dhec.sc.gov as a .JPEG file type**		

Observations

Parameter	Test 1	Test 2	Units	Duplicate Precision	Reminders:
Air Temperature	_____	N/A	Celsius (°C)	None	Take Air Temperature BEFORE Water Temperature. Stand in the shade. Hold thermometer from the top or use a string to hang.
Water Temperature	_____	N/A	Celsius (°C)	None	Read thermometer while in the water or quickly after removing. Take reading in shade. Check thermometer for air bubbles.
pH	_____	_____	Standard units	0.25	Use a white background behind colorimeter to read result. Do not wear sunglasses.
Dissolved Oxygen	_____	_____	mg/L or ppm	0.6	Take water samples from exact same place. Check the bottles and syringes for air bubbles. Add drops slowly, one at a time.
Conductivity (Not Required)	_____	N/A	µS/cm	None	As of 2022, this parameter is no longer required. However, if you have been certified on protocol you can continue to enter data.
Transparency	_____	N/A	cm	None	Do not wear sunglasses, take measurement in the shade, do not stir up sediment. <input type="checkbox"/> >120cm
Custom Tests (optional) and any chemical changes since you last sampled? :					
Reminder to repeat tests if not within DUPLICATE PRECISION.					

Chemical

Bacteria Method?	3M Petrifilm Method Used? <input type="checkbox"/> Yes <input type="checkbox"/> No	Reminder:	Petrifilm Plates must be kept in the FREEZER when not in use. Results should be discarded if the "Blank/Control" plate shows bacteria growth. Incubation should be 24 ± 1 hours and at 35 ± 1 °C. DO NOT enter results into database if incubation is outside of these values.
Incubation Date/Time	Start Time: _____ Finish Date: _____	Incubation Temperature	Max: _____ Min: _____
Colony Count	Blank _____ Plate 1 _____ Plate 2 _____ Plate 3 _____		Any bacteria changes since last sampled (comments /concerns)?
Only count BLUE colonies WITH gas bubbles			

Bacteria

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

Field Checklist: Handbook Pen Nitrile Gloves/eye protection Thermometer DO and pH Kits Waste/Rinse Bottles Camera
 Whirl-Pak Bag Sink Water Sample on Ice in Cooler Trash Bag Paper Towels Incubator Set to 35 °C Closed-toe Shoes

Always check chemicals and bacteria plates for expiration dates prior to sampling your freshwater wadable stream.

Experiencing a fish kill, health hazard or dangerous pollution event? Call DHEC's Emergency Hotline at 1-888-481-0125