

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

Site ID		Distance Traveled (miles, one-way)		Travel Time (minutes, one-way)		Site Information
Monitoring Group		Sampling Time (minutes)		Certified Participants (first and last name)		
Time		Date (mm/dd/yyyy)				

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

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:	Observations
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:	
Trash Cleanup	<input type="checkbox"/> Site is clean <input type="checkbox"/> I cleaned site <input type="checkbox"/> Needs organized cleanup <input type="checkbox"/> Concern of illegal dumping?	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: _____ ft Bank Full Width: _____ ft Depth to Water: _____ ft	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 <input type="checkbox"/> Downstream <input type="checkbox"/> Extra **Email additional photos to scaas@des.sc.gov as a .JPEG file**			

Parameter	Test 1	Test 2	Units	Duplicate Precision	Reminders:	Chemical/Physical
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. Check against both scales. Do not wear hats or 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.	
Salinity		N/A	ppt	None	The refractometer must be calibrated using distilled water prior to taking each measurement. Take off hats and sunglasses.	
Transparency	<input type="checkbox"/> >120cm?	N/A	cm	None	You may need to remix the tube. Do not wear hats or sunglasses and take measurement in the shade. Do not stir up sediment in the stream.	
Custom Tests (optional) and any chemical changes since you last sampled?: **Reminder to repeat tests if not within DUPLICATE PRECISION.**						

Bacteria Method	3M Petrifilm Method Used? <input type="checkbox"/> Yes <input type="checkbox"/> No	Colony Count	Blank: _____ Plate 1: _____ Plate 2: _____ Plate 3: _____ **Only count BLUE colonies WITH gas bubbles. Results should be discarded if the Blank/Control plate shows bacteria growth.**	Bacteria
Incubation Date/Time	Start Finish Time: _____ Date: _____		Bacteria Changes, Comments, Concerns?	
Incubation Temperature	Max: _____ Min: _____ **Incubation must be 24 ± 1 hours and at 35 ± 1 °C.**			

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 Transparency tube 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 for expiration dates prior to sampling your freshwater stream.****

Experiencing a fish kill, health hazard, or dangerous pollution event? Call the SCDES Emergency Hotline at [1-888-481-0125](tel:1-888-481-0125).