



TIDAL SALTWATER Monitoring Data Form

Field Checklist:			REMINDER: Always check chemicals for expiration dates prior to sampling your tidal saltwater stream.
<input type="checkbox"/> Handbook	<input type="checkbox"/> Waste and Rinse Bottles	<input type="checkbox"/> Trash Bag	
<input type="checkbox"/> Pen	<input type="checkbox"/> Camera / Phone	<input type="checkbox"/> Paper Towels	
<input type="checkbox"/> Nitrile Gloves	<input type="checkbox"/> Transparency Tube or Secchi Disk		
<input type="checkbox"/> Thermometer	<input type="checkbox"/> Refractometer		
<input type="checkbox"/> DO and pH Kits	<input type="checkbox"/> Bucket or Sampling Pole		

PART I. Site Information		
Site ID:	Distance: (miles, traveled one-way)	Time Traveled: (minutes, one-way)
Monitoring Group:	Sampling Time: (minutes)	Certified Participants: (first and last name)
Time:	Date:	

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

PART III. Observations	
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:
Tide Level: <input type="checkbox"/> Low <input type="checkbox"/> Mid <input type="checkbox"/> High	Water Clarity: (use clear container) <input type="checkbox"/> Clear/Transparent <input type="checkbox"/> Cloudy/Somewhat Turbid <input type="checkbox"/> Opaque/Turbid
Water Conditions: <input type="checkbox"/> Calm/Smooth <input type="checkbox"/> Ripples <input type="checkbox"/> Waves <input type="checkbox"/> White Caps	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?

Alerts are generated when unusual colors, odors, or illegal dumping are selected.	
Security: <input type="checkbox"/> Drug Abuse <input type="checkbox"/> Vagrancy <input type="checkbox"/> Animals <input type="checkbox"/> Other:	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
Hazards: <input type="checkbox"/> Steep Bank <input type="checkbox"/> Trash <input type="checkbox"/> Fast Current <input type="checkbox"/> Other:	Photos: <input type="checkbox"/> Upstream <input type="checkbox"/> Downstream <input type="checkbox"/> Water Height <input type="checkbox"/> Extra Email additional photos to scaas@des.sc.gov as a .JPEG file

PART IV. Chemical/PhysicalReminder to repeat tests if not within **DUPLICATE PRECISION**.

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. Check against both scales. Take off hats and 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.
SELECT ONE Transparency Tube	<input type="checkbox"/> > 120cm?		cm	None	You may need to remix the tube. Do not wear hats or sunglasses and take measurement in the shade.
	Disappearance: <input type="checkbox"/> Hit bottom?	Reappearance:	m	None	Do not use if the current is too strong; you must be standing directly above the disk. Take off hats and sunglasses. Take two measurements (disappearance and reappearance depth).

Custom Tests (*optional*) and any chemical changes since you last sampled:**PART V. Saltwater Habitat****Marsh Grass:**

- ☐ Green ☐ Brown ☐ Surface Mostly Muddy
☐ Unseasonable Color Change

Located Within 100 ft of Waterway:

- ☐ Industrial ☐ Commercial ☐ Residential
☐ Agriculture ☐ Dock

Observed Impacts on Marsh:

- ☐ Dredging ☐ Erosion ☐ Algae
☐ Large Vegetative Debris

Comments:

Is the Marsh Area...?

- ☐ Increasing ☐ Decreasing ☐ Same as last event
☐ Unsure ☐ Invasive Phragmites Present

Comments:

Wildlife Survey (check all that apply)

- ☐ Snails ☐ Oysters ☐ Blue Crabs ☐ Fiddler Crabs
☐ Fish ☐ Barnacles ☐ Other:

Comments:

Next StepsVisit www.scadoptastream.org to view and enter data. Contact scaas@des.sc.gov with any questions or concerns.**FISH KILL? HEALTH HAZARD? OR DANGEROUS POLLUTION EVENT?****Call the SCDES Emergency Hotline: 1-888-481-0125**