

## Biological *In situ* and Grab Sample Water Chemistry Field Sheet (Front)

<b>STREAM NAME:</b>		<b>MON LOC ID:</b>	
<b>BIO SITE ID:</b>	<b>DATE:</b>	<b>GPS ERROR (+/-) ft:</b>	
<b>LATITUDE (DD):</b>		<b>LONGITUDE (DD):</b>	
<b>START TIME:</b>	<b>END TIME:</b>	<b>TIME ZONE: EST or EDT</b>	
<b>INVESTIGATORS:</b>			
<b>FIELD MEASURER/COLLECTOR:</b>		<b>FIELD RECORDER:</b>	
<b>EPD OFFICE:</b>	WP1–Atlanta	WP2–Brunswick	WP3–Cartersville WP4–Tifton
<b>SAMPLE TYPE:</b>	Targeted    Probabilistic	<b>ACTIVITY TYPE:</b>	Field Measurement/Observation    Field Replicate Msr/Obs
<b>COMPOSITE TYPE:</b>	Horizontal Single	Horizontal Multi	None (Grab)
<b>PROJECT/REASON FOR SURVEY:</b>			

<i>In-situ</i> Field Chemistry Data	
<b>Water Temperature:</b>	° C
<b>Air Temperature:</b>	° C
<b>Specific Conductance:</b>	(µmhos/cm)
<b>Dissolved Oxygen (mg/L):</b>	
<b>pH:</b>	
<b>Turbidity:</b>	NTU

<b>Model of Sonde:</b>	
<b>Serial # of Unit:</b>	
<b>Salinity:</b>	PPB
<b>Dissolved Oxygen:</b>	%
<b>Battery Volts:</b>	
<b>Turbidity Instrument #:</b>	

<i>In- situ</i> Handheld Fluorometer Measurements	
<b>Benthic Chlorophyll <i>a</i> Bottle #:</b>	<b>Notes:</b>
<i>In Vivo</i> Reading (ppb): (Water Column Chlorophyll <i>a</i> )	<i>Diatom Sample Reading (ppb):</i> (Benthic Chlorophyll <i>a</i> )

Grab Water Quality Filtering				
<b>Parameter</b>	<b>Time Frozen:</b>	<b>Filtered By:</b>	<b># of Filters:</b>	<b>Volume filtered (ml):</b>
Chlorophyll <i>a</i>				

STREAM CHARACTERIZATION (Circle All that Apply)									
<b>SALINE TYPE:</b>	Brackish	Fresh	Saline	Unsure					
<b>WATER APPEARANCE:</b>	Blackwater	Clearwater	Unsure	Unsure/Black	Unsure/Clear				
<b>STREAM ORIGIN:</b>	Mixture of Origins	Spring Fed	Swamp/Bog	Unsure/Unknown	Other_____				
<b>WATER CLARITY:</b>	Clear	Slightly Turbid	Turbid	Stained	Opaque	Other_____			
<b>STREAM SUBSYSTEM:</b>	Ephemeral	Intermittent	Perennial	Tidal	Unsure/Unknown				
<b>TIDAL CYCLE:</b>	1/4 ebb	1/2 ebb	3/4 ebb	Low Tide	1/4 flood	1/2 flood	3/4 flood	High Tide	N/A
<b>STREAM TYPE:</b>	Coldwater	Warmwater							
<b>WATER COLOR:</b>	Clear	Foamy (natural or pollution)	Green (algal coloration evident)	Other_____					
	Tannic (Tea-colored)	Muddy (cloudy brown)	Milky (cloudy white or gray)	Other_____					
<b>DOMINANT SUBSTRATE(S):</b>	Bedrock	Boulders	Cement	Clay	Cobble	Boulders/RipRap			
	Concrete	Fines	Gravel	Hardpan	Sand	Silt	Other_____		

VISUAL CONDITIONS (Circle Items from List)			
<b>WATER LEVEL/FLOW:</b>	Normal	Above Normal	Normal, but no Velocity
	Low	Flood	Drought Impact
<b>WEATHER PAST 24 HOURS (circle and fill in all that apply):</b>	_____ % Cloud Cover	Clear (0% cloud cover)/Sunny	Rain (Steady Rain)
	Showers (intermittent)	Storm (heavy rain)	Snow
	Unsure (past)		
<b>WEATHER NOW (circle and fill in all that apply):</b>	_____ % Cloud Cover	Clear (0% cloud cover) /Sunny	Rain (Steady Rain)
	Showers (intermittent)	Storm (heavy rain)	Snow

## Biological *In-situ* and Grab Sample Water Chemistry Field Sheet (Back)

Grab Water Quality Chemistry Samples Collected		
Parameter (Circle All that Apply)		
Total Suspended Solids	Metal Blank	Chlorophyll <i>a</i>
Alkalinity	TKN	Benthic Chlorophyll <i>a</i>
Total Hardness	Ammonia	Ortho-Phosphorus
Metals	Nitrate-Nitrite	Total Phosphorus
E. Coli	Chemical Oxygen Demand	Fecal
Total Organic Carbon	Biological Oxygen Demand	Others:_____

Grab Sample and <i>In-Situ</i> Water Quality Chain - of - Custody	
Sampled by (signature):	Date/Time:
Team Leader/Received (signature):	Date/Time:

**Comments/Notes/Other Analysis:**

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