

# BIOLOGICAL STREAM RECONNAISSANCE FORM (FRONT)

<b>STREAM NAME:</b>					<b>MON LOC ID:</b>				
<b>BIO SITE ID:</b>			<b>DATE:</b>			<b>FIELD SEASON:</b>			
<b>COUNTY:</b>		<b>SUBECOREGION:</b>			<b>NEAREST CITY:</b>				
<b>LATITUDE (DD):</b>			<b>LONGITUDE (DD):</b>				<b>GPS ERROR (+/-) ft:</b>		
<b>START TIME:</b>			<b>END TIME:</b>				<b>TIME ZONE:</b> EST EDT		
<b>INVESTIGATORS:</b>									
<b>PROJECT:</b>		WP1–Atlanta		WP2–Brunswick		WP3–Cartersville		WP4–Tifton	
<b>WATER APPEARANCE:</b>		Blackwater	Clearwater	Unsure	Unsure/Black	Unsure/Clear	<b>SAMPLING TYPE:</b>		Targeted Probabilistic
<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>FORM COMPLETED BY:</b>			<b>PROJECT/REASON FOR SURVEY:</b>						
<b>STREAM INFORMATION: (Circle Items from List)</b>									
<b>STREAM CONDITION:</b>		Impacted	Least Impacted	Not Yet Determined	Possibly Impacted	Potential Least Impacted			
<b>STREAM ANALYSIS:</b>		Nutrients	319 Projects	Metric Refinement	Continual Monitoring/ Trend				
		Routine	QA/QC Monitoring	Other: _____					
<b>STREAM ACCESSIBILITY/STREAM RECONNAISSANCE RESULTS: (Circle Items from List)</b>									
<b>ASSESSMENT TYPE:</b>		Looking Over Bridge	Standing By Creek	Standing In Creek	Other: _____				
<b>NEAREST ROAD CROSSING:</b>									
<b>ENTER STREAM AT:</b>		Road/Bridge Crossings			Through Woods		Other : _____		
<b>CAN YOU DRIVE TO BRIDGE CROSSING?:</b>				Yes	No	<b>IF NO, ESTIMATE DISTANCE TO BRIDGE TO CROSSING:</b> ____ ft			
<b>CAN YOU DRIVE UP TO THE STREAM?:</b>				Yes	No	<b>IF NO, ESTIMATE DISTANCE TO STREAM:</b> _____ft			
<b>IMPASSABLE BOUNDARIES TO CROSS?:</b>				Yes	No	<b>USABLE TRAIL TO ACCESS STREAM?:</b> Yes No			
<b>TRAIL HACKED TO STREAM SITE?:</b>				Yes	No	<b>PROPERTY BOUNDARIES OR FENCES TO CROSS?:</b> Yes No			
<b>TYPE OF BOUNDARIES TO CROSS (if applicable):</b>				Barbed Wire Fence		Chain Link Fence		Gate	
				Livestock Fence		Property Line		Wooden Fence	
<b>HAS STREAM REACH BEEN FLAGGED:</b>				Yes	No	<b>PERMISSION TO ACCESS PRIVATE LAND?:</b> Yes No			
<b>IS ACCESS ON PRIVATE PROPERTY OR PUBLIC PROPERTY?:</b>						Private	Public		
If <b>private property</b> please give names, numbers, and logistics. If public, indicate public property type; <i>i.e.</i> state park, sewer line right away, wildlife management area, etc.									
<b>Point of Assessment/Access Comments:</b>									
<b>CONDITION OF THE NEAREST ROAD TO STREAM SITE?:</b>					Dirt Road	Gravel Road	Paved Road	Rough/ Unmaintained	
<b>IS 4-WD REQUIRED?:</b>			Yes	No	<b>STREAM WADEABLE? (For Biological Sampling):</b>			Yes	No
<b>Driving Directions:</b>									
<b>Directions to Sample Reach:</b>									
<b>HABITAT TYPE (Should add up to 100%)</b>									
<b>BANKS/ROOT MATS:</b>			_____%	<b>LEAF PACKS:</b>			_____%	<b>RIFFLES:</b>	
<b>SNAGS:</b>			_____%	<b>SOFT/SANDY SEDIMENT:</b>			_____%	<b>SUBMERGED MACROPHYTES:</b>	
<b>OTHER (_____):</b>			_____%	<b>OTHER (_____):</b>			_____%		
<b>PHOTOS TAKEN?:</b>					Yes	No	<b>Camera:</b>		
<b>Photo Descriptions (US, LB, RB, DS, other):</b>									

# BIOLOGICAL STREAM RECONNAISSANCE FORM (BACK)

## STREAM AND PHYSICAL CHARACTERIZATION (Circle Items from List)

<b>CHANNEL FLOW STATUS</b> (water reaches base of both lower banks):										Minimal Exposure		> 75%		25 – 75%		< 25%			
<b>DAM PRESENT?:</b>				Yes		No		<b>DAM LOCATION?:</b>				Upstream		Downstream		In Reach			
<b>BEAVER DAM PRESENT IN STREAM?:</b>				Yes		No		<b>DAM TYPE:</b>				Artificial		Beaver		Natural		Other: _____	
<b>TWO OR MORE STREAMS CONVERGE UPSTREAM:</b>										Yes				No					
<b>IS THE VEGETATION DOMINATED BY TANNIC SPECIES (i.e. cypress, tupelo, magnolia, &amp; oak)?:</b>										Yes				No					
<b>IS SAND WHITE?:</b>				Yes		No		N/A		<b>STREAM TYPE:</b>				Coldwater		Warmwater			
<b>STREAM SUBSYSTEM:</b>				Ephemeral		Intermittent		Perennial		Tidal				Unsure/Unknown					
<b>SALINE TYPE:</b>				Brackish		Fresh		Saline		Unsure									
<b>STREAM ORIGIN:</b>				Mixed Origin		Spring Fed		Swamp or Bog		Unsure/Unknown				Other: _____					
<b>DOMINANT SUBSTRATE(S):</b>		Bedrock		Boulders		Cement		Clay		Cobble		Boulders/RipRap							
		Concrete		Fines		Gravel		Hardpan		Sand		Silt		Other: _____					
<b>WATER LEVEL/FLOW:</b>				Normal		Flood		Above Normal				Dry		Low					
				Drought Impact		Disconnected stagnant pools/puddles without measurable flow													
				Normal, but no Velocity		Flowing but with some reaches beneath substrate													
<b>STREAM CHANNELIZED?:</b>				Yes		No		<b>RECENT RESTORATION CONDUCTED (within last 10 years):</b>				Yes		No					
<b>AVG. STREAM DEPTH (FT):</b> _____						<b>AVG. STREAM WIDTH (FT):</b> _____													

## WEATHER CONDITIONS (Circle Items from List)

<b>WEATHER CONDITION NOW:</b>				_____ % Cloud Cover		Clear (0% cloud cover)		Steady Rain	
				Intermittent Showers		Storm (heavy rain)		Snow	
								Sunny	
<b>WEATHER CONDITION PAST 24 HOURS:</b>				_____ % Cloud Cover		Clear (0% cloud cover)		Steady Rain	
				Intermittent Showers		Storm (heavy rain)		Snow	
								Sunny	
<b>HEAVY RAIN IN LAST 7 DAYS?</b>				Yes		No		<b>HEAVY RAIN IN LAST 24 HOURS?</b>	
								Yes	
								No	

## LAND USE IN CATCHMENT AREA (Circle All that Apply from List)

Agricultural (Unspecified)		Agricultural and Mining		Agriculture Row Crops (Unspecified)		Clear-cut forest (<10 years harvest)	
Commercial		Cropland		Forest (Unspecified)		Forest Fire	
Heavy Grazing Pressure (trampled)		Industrial		Light Grazing Pressure (cow pies/not trampled)		Livestock	
Mature Timber (>40 years harvest)		Mining		Old Growth Forest		Pasture (Unspecified)	
Planted Pine (Silviculture)		Residential		Second Growth Forest (10-40 years harvest)		Rural Residential	
Urban		Wetland		Selective Cut (partial removal of large trees)		Other: _____	
Other: _____		Other: _____		Other: _____		Other: _____	

## POSSIBLE SOURCES OF IMPACTS AND NEW IMPACTS (Circle Items from List)

<b>EXCESSIVE ALGAE PRESENT:</b>				Yes		No		<b>INSTREAM IMPACT VISIBLE?:</b>				Yes		No	
<b>Circle all Possible Sources of Impact In Stream Reach:</b>								Other: _____							
Agricultural runoff		Beaver Activity		Construction		Dam		Ford in Stream		Illegal Discharge					
Land Application System		Landfill		Livestock		Logging		Permitted Discharge		Runoff from Road Crossing					
Land Disturbing Activity		Silviculture		Soil Erosion		Storm water		Stream Alteration		Urban/Suburban					

### EXPLAIN POTENTIAL IMPACTS FOR BIOLOGICAL TMDLS:

<b>New Impacts Within Last 1 or 2 Years?:</b>						Other/Comments: _____									
<b>SILVICULTURAL?:</b>				Yes		No		<b>CLEAR CUTTING?:</b>				Yes		No	

### COMMENTS:

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