

BIOLOGICAL STREAM RECONNAISSANCE FORM (FRONT)

STREAM NAME:					MON LOC ID:				
BIO SITE ID:			DATE:			FIELD SEASON:			
COUNTY:		SUBECOREGION:		NEAREST CITY:					
LATITUDE (DD):			LONGITUDE (DD):				GPS ERROR (+/-) ft:		
START TIME:			END TIME:			TIME ZONE:		EST	EDT
INVESTIGATORS:									
PROJECT:		WP1–Atlanta		WP2–Brunswick		WP3–Cartersville		WP4–Tifton	
WATER APPEARANCE:		Blackwater	Clearwater	Unsure	Unsure/Black	Unsure/Clear	SAMPLING TYPE:		Targeted Probabilistic
TIDAL CYCLE:		1/4 ebb	1/2 ebb	3/4 ebb	Low Tide	1/4 flood	1/2 flood	3/4 flood	High Tide N/A
FORM COMPLETED BY:			PROJECT/REASON FOR SURVEY:						
STREAM INFORMATION: (Circle Items from List)									
STREAM CONDITION:		Impacted	Least Impacted	Not Yet Determined		Possibly Impacted		Potential Least Impacted	
STREAM ANALYSIS:		Nutrients		319 Projects		Metric Refinement		Continual Monitoring/ Trend	
		Routine		QA/QC Monitoring		Other: _____			
STREAM ACCESSIBILITY/STREAM RECONNAISSANCE RESULTS: (Circle Items from List)									
ASSESSMENT TYPE:		Looking Over Bridge	Standing By Creek	Standing In Creek		Other: _____			
NEAREST ROAD CROSSING:									
ENTER STREAM AT:		Road/Bridge Crossings			Through Woods			Other : _____	
CAN YOU DRIVE TO BRIDGE CROSSING?:		Yes	No	IF NO, ESTIMATE DISTANCE TO BRIDGE TO CROSSING: ____ ft					
CAN YOU DRIVE UP TO THE STREAM?:		Yes	No	IF NO, ESTIMATE DISTANCE TO STREAM: _____ ft					
IMPASSABLE BOUNDARIES TO CROSS?:		Yes	No	USABLE TRAIL TO ACCESS STREAM?: Yes No					
TRAIL HACKED TO STREAM SITE?:		Yes	No	PROPERTY BOUNDARIES OR FENCES TO CROSS?: Yes No					
TYPE OF BOUNDARIES TO CROSS (if applicable):				Barbed Wire Fence		Chain Link Fence		Gate	
				Livestock Fence		Property Line		Wooden Fence	
HAS STREAM REACH BEEN FLAGGED:		Yes	No	PERMISSION TO ACCESS PRIVATE LAND?:			Yes	No	
IS ACCESS ON PRIVATE PROPERTY OR PUBLIC PROPERTY?:				Private	Public				
If private property 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.									
Point of Assessment/Access Comments:									
CONDITION OF THE NEAREST ROAD TO STREAM SITE?:				Dirt Road	Gravel Road	Paved Road	Rough/Unmaintained		
IS 4-WD REQUIRED?:		Yes	No	STREAM WADEABLE? (For Biological Sampling):		Yes	No		
Driving Directions:									
Directions to Sample Reach:									
HABITAT TYPE (Should add up to 100%)									
BANKS/ROOT MATS:		_____ %		LEAF PACKS:		_____ %		RIFFLES: _____ %	
SNAGS:		_____ %		SOFT/SANDY SEDIMENT:		_____ %		SUBMERGED MACROPHYTES: _____ %	
OTHER (_____):		_____ %		OTHER (_____):		_____ %			
PHOTOS TAKEN?:				Yes	No	Camera:			
Photo Descriptions (US, LB, RB, DS, other):									

BIOLOGICAL STREAM RECONNAISSANCE FORM (BACK)

STREAM AND PHYSICAL CHARACTERIZATION (Circle Items from List)

CHANNEL FLOW STATUS (water reaches base of both lower banks):										Minimal Exposure	> 75%	25 – 75%	< 25%
DAM PRESENT?:				Yes	No	DAM LOCATION?:				Upstream	Downstream	In Reach	
BEAVER DAM PRESENT IN STREAM?:				Yes	No	DAM TYPE:				Artificial	Beaver	Natural	Other: _____
TWO OR MORE STREAMS CONVERGE UPSTREAM:										Yes	No		
IS THE VEGETATION DOMINATED BY TANNIC SPECIES (i.e. cypress, tupelo, magnolia, & oak)?:										Yes	No		
IS SAND WHITE?:				Yes	No	N/A	STREAM TYPE:				Coldwater	Warmwater	
STREAM SUBSYSTEM:				Ephemeral	Intermittent	Perennial	Tidal				Unsure/Unknown		
SALINE TYPE:				Brackish	Fresh	Saline	Unsure						
STREAM ORIGIN:				Mixed Origin	Spring Fed	Swamp or Bog	Unsure/Unknown				Other: _____		
DOMINANT SUBSTRATE(S):		Bedrock	Boulders	Cement	Clay	Cobble	Boulders/RipRap						
		Concrete	Fines	Gravel	Hardpan	Sand	Silt		Other: _____				
WATER LEVEL/FLOW:		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									
STREAM CHANNELIZED?:				Yes	No	RECENT RESTORATION CONDUCTED (within last 10 years):				Yes	No		
AVG. STREAM DEPTH (FT): _____					AVG. STREAM WIDTH (FT): _____								

WEATHER CONDITIONS (Circle Items from List)

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

EXCESSIVE ALGAE PRESENT:				Yes	No	INSTREAM IMPACT VISIBLE?:				Yes	No
Circle all Possible Sources of Impact In Stream Reach:						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:

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

COMMENTS:

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