

WATERSHED ASSESSMENT MACROINVERTEBRATE STREAM RECONNAISSANCE FORM (FRONT)

STREAM NAME:			LOCATION DESCRIPTION:						
WA SITE ID:		COUNTY:		SUBCOREGION:		NEAREST CITY:			
LATITUDE (DD):		LONGITUDE (DD):			GPS ERROR (+/-) ft:				
DATE:	START TIME:		END TIME:		TIME ZONE:	EST EDT			
INVESTIGATORS:									
PROJECT: Watershed Assessment			SAMPLING DESIGN: Targeted		ACTIVITY TYPE: Field Measurement/Observation				
WATER APPEARANCE:	Blackwater	Clearwater	Unsure	Unsure/Black	Unsure/Clear				
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: _____		
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NEAREST ROAD CROSSING:

ENTER STREAM AT:	Road/Bridge Crossings	Through Woods	Other : _____			
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CAN YOU DRIVE TO BRIDGE CROSSING?:	Yes	No	IF NO, ESTIMATE DISTANCE TO BRIDGE TO CROSSING: _____ ft			
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CAN YOU DRIVE UP TO THE STREAM?:	Yes	No	IF NO, ESTIMATE DISTANCE TO STREAM: _____ ft			
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IMPASSABLE BOUNDARIES TO CROSS?:	Yes	No	USABLE TRAIL TO ACCESS STREAM?:	Yes	No	
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TRAIL HACKED TO STREAM SITE?:	Yes	No	PROPERTY BOUNDARIES OR FENCES TO CROSS?:	Yes	No	
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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	
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IS ACCESS ON PRIVATE PROPERTY OR PUBLIC PROPERTY?:	Private	Public				
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If **private property** please give names, numbers, and logistics. If public, indicate public property type; *i.e.* 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	
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IS 4-WD REQUIRED?:	Yes	No	STREAM WADEABLE? (For Biological Sampling):	Yes	No	
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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:			
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Photo Descriptions (US, LB, RB, DS, other):

WATERSHED ASSESSMENT MACROINVERTEBRATE 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 Concrete	Boulders Fines	Cement Gravel	Clay Hardpan	Cobble Sand	Boulders/RipRap 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
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COMMENTS: