

WATERSHED ASSESSMENT MACROINVERTEBRATE STREAM RECONNAISSANCE FORM (FRONT)											
STREAM NAME:					LOCATION DESCRIPTION:						
WA SITE ID:			COUNTY:			SUBECOREGION:			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: _____			
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):											

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	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:												