



## Biological Monitoring Data Form for Stream Monitors

Name of Stream:	Name of monitoring site:			
Name of Certified Monitor(s):				
Group/Organization:			Number of participants:	
City/State:	Latitude:	Lon	gitude:	
Survey Date:	Start time:		End time:	
Description of site location:				
in the same riffle. Please place a check Sample 1 Sam  MUDDY BOTTOM SAMPLING	rub rocks, 20 second not collect at least 10 mark next to the nun ple 2	s to disturb the strea 00 macroinvertebrate nber of samples coll	ambed). Ensure you sample the entire es in the first net, take a second sample ected.	
Use the lines below to record the numl add up to 20 scoops.	per of scoops taken t	rom each nabitat typ	be. The total number of scoops must	
Steep bank/vegetated margin	steep bank/vegetated margin Woody debris with organic matter			
Rock/gravel/sand substrate Silty bottom with organic matter				
Please consult biological monitoring in: numbers of each macroinvertebrate for each type of macroinvertebrate identificategory (sensitive, less sensitive, tole)	und. Once sampling a ed and list the total n rant) and multiply tho	and identification are umber found. Add u ose numbers by the i	complete, place a checkmark next to p the number of checkmarks in each indicated index value.	
Sensitive (Ex: ☑ 10 Caddisflies)		✓ 2 Dobsonflies)	<b>Tolerant</b> (Ex: ☑ <u>3</u> Leeches)	
□ Caddisflies   (except net spinners)   □ Mayflies   □ Stoneflies   □ Watersnipe flies   □ Riffle beetles   □ Water pennies   □ Gilled snails	□Dobsonflies □Fishflies □Crane flies □Damselflies □Dragonflies □Alderflies □Common net	'	☐Aquatic worms ☐Black flies ☐Midge flies ☐Leeches ☐Lunged snails	
# of checkmarks multiplied by 3 =	# of checkmarks	multiplied by 2 =	# of checkmarks multiplied by 1 =	
Now add the three totals from each colun Total number of macroinvertebrates in sa	•	dex value. Total index	value =	
Compare the total index value to the fo	llowing ranges to det	termine the water qu	ality of the stream sample site.	
WATER QUALITY RATING				
Excellent (>22)	Good (17-22)	Fai	r (11-16) Poor (<11)	

WATERSHED CONDITIONS	(check all that apply)			
Yesterday: Day Before Yesterday: Water Temperature	☐ Sunny ☐ Overcast ☐ Sunny ☐ Overcast	☐ Intermittent Rain ☐ Ste	eady Rain	
Fish populations:  ☐ scattered individuals ☐ scattered schools ☐ no fish seen	Barriers to fish movement:  ☐ beaver dams ☐ man-made dams ☐ waterfalls (>1 ft.) ☐ none ☐ other	Refer to the SOS Biological monitoring instructions to learn how to score these stream characteristics		
Stability of streambed (bed sinks beneath your feet in): ☐ no spots ☐ a few spots ☐ many spots	Stream channel shade:  □ >80% excellent □ 50%-80% high □ 20%-49% moderate □ <20% almost none	Streambank erosion:  □ >80% severe  □ 50%-80% high  □ 20%-49% moderate  □ <20% slight	Odor:  ☐ rotten eggs ☐ musky ☐ oil ☐ sewage ☐ other ☐ none	
Surface water appearance:  clear clear, but tea-colored colored sheen (oily) foamy milky muddy black grey other	Streambed deposit (bottom):  grey orange/red yellow black brown silt sand other	Streambank composition (=100%):% trees% shrubs% grass% bare soil% rocks% other	Riffle composition (=100%): % silt (mud) % sand (1/16"-1/4" grains) % gravel (1/4"-2" stones) % cobbles (2"-10" stones) % boulders (>10" stones)  (not applicable to Muddy Bottom  Sampling)	
LAND USES IN THE WATERSHED (UPSTREAM AND SURROUNDING SAMPLING SITE): Indicate whether the following land uses within a one-mile radius of your sampling site have a high (H), moderate (M), slight (S), or no (N) potential impact on the quality of your stream.  Oil & gas drilling Urban uses (parking lots, highways, etc.) Agriculture (type:) Housing developments Sanitary landfill Trash dump Forestry Active construction Fields (lawn or sports field) Logging Mining (type:) Other:				
COMMENTS: Indicate the current and potential future threats to the stream's health.				