LEVEL ONE STREAM SURVEY REPORT

Submit by Email

Stream name _____ Basin _____
Monitoring group _____ Station name _____
County _____ Latitude _____ Longitude _____
Survey date _____ Directions _____
Database code _____ RR miles _____

WATER CHEMISTRY

		Units
Temperature (C/F)		
pH		
Conductivity		
Dissolved Oxygen		
Nitrate/Nitrite		
Alkalinity		
Acidity		
Turbidity		
Bacteria (Fecal/E-coli)		

Other (Describe and record the results below)

PHYSICAL CONDITIONS

Run width ft		Run depth ft	
Riffle width ft		Riffle depth ft	

	Water level	Discharge
Flow		
Water clarity		
Water color		
Water odor		
Sediment color		
Surface foam		
Algae color		
Algae abundance		
Algae texture		
Channel shade		

STREAMBED COMPOSITION

Estimate _____ Count _____

% Silt/clay	
% Sand	
% Fine gravel	
% Coarse gravel	
% Cobble	
% Boulder	
% Bedrock	
% Woody debris	
Index	

Evaluate the streambed composition using a PEBBLE COUNT procedure whenever possible, or simply estimate the percentages.

HABITAT CONDITIONS

Sediment deposition	
Embeddedness	

	Left	Right
Bank stability		
Riparian buffer width		
Total		

LAND USE: Estimate the impacts and location using: (**1**) slight, (**2**) moderate, (**3**) high; (**W**) watershed, (**M**) within ¼ mile, (**S**) streamside

BENTHIC MACROINVERTEBRATES

	Abundance	Taxa
Mayflies (Ephemeroptera)		
Stoneflies (Plecoptera)		
Case-building caddisflies (Trichoptera)		
Net-spinning caddisflies (Trichoptera)		
Free-living caddisfly (Rhyacophilidae)		
Common netspinner (Hydropsychidae)		
Dragonflies (Anisoptera)		
Damselflies (Zygoptera)		
Riffle beetle (Elmidae)		
Water penny (Psephenidae)		
Other Beetles/Bugs (Coleoptera/Hemiptera)		
Hellgrammite/Fishfly (Corydalidae)		
Alderfly (Sialidae)		
Non-biting midge (Chironomidae)		
Black fly (Simuliidae)		
Crane fly (Tipulidae)		
Watersnipe fly (Athericidae)		
Other True flies (Diptera)		
Water mite (Hydrachnidae)		
Crayfish (Decapoda)		
Scud/Sideswimmer (Amphipoda)		
Aquatic sowbug (Isopoda)		
Clams (Veneroida)		
Mussel (Unionidae)		
Operculate snails (Prosobranchia)		
Non-operculate snails (Pulmonata)		
Aquatic worms (Oligochaeta)		
Leeches (Hirudinea)		
Flatworms (Turbellaria)		
Other (Describe)		
TOTALS		

List/describe other aquatic animals collected or observed

Habitat and physical condition comments

Codes: O (Optimal); S (Suboptimal); M (Marginal); P (Poor): A (Abundant); C (Common); R (Rare)

Habitat		L/R	Invertebrates		
O	**8**	**4**			
S	**6**	**3**	A	> 50	**6**
M	**4**	**2**	C	5-50	**3**
P	**2**	**1**	R	< 5	**1**

METRICS	Value	Points
Total Taxa		
EPT Taxa		
Biotic Index		
STREAM SCORE		
Integrity		

Additional comments: _____