

# THE BUGLAB's AQUATIC MACROINVERTEBRATE STREAM HEALTH ASSESSMENT INFORMATION

Please fill out form as complete as you possibly can, circle the appropriate units

## Site Information

Previously sampled location (circle): Yes No

Station ID: \_\_\_\_\_ 10 Character Max GPS Waypoint: \_\_\_\_\_

System type (circle one): RIVER/STREAM SPRING LAKE POND WETLAND RESERVOIR

Water body name: \_\_\_\_\_

County: \_\_\_\_\_ State: \_\_\_\_\_

Latitude : \_\_\_\_\_ Longitude: \_\_\_\_\_

OR UTM coordinates: \_\_\_\_\_

USGS hydrologic unit code: \_\_\_\_\_ Ecoregion (Olmernik): \_\_\_\_\_

[http://txwww.cr.usgs.gov/hcdn/hydrologic\\_units.htm](http://txwww.cr.usgs.gov/hcdn/hydrologic_units.htm) <http://www.epa.gov/OWOW/monitoring/AWPD/RBP/ch3main.html>

Stream order: \_\_\_\_\_ Elevation: \_\_\_\_\_ feet or meters

Distance from stream source: \_\_\_\_\_ (miles or km)

Major landuse, please rank: \_\_\_\_\_ Grazing \_\_\_\_\_ Recreation \_\_\_\_\_ Agriculture

\_\_\_\_\_ Silviculture \_\_\_\_\_ Mining \_\_\_\_\_ Wilderness

\_\_\_\_\_ Other: \_\_\_\_\_

Do you consider to this to be a site with few human impacts that could be used as a reference site?: Yes No

Riparian vegetation characteristics (type, vigor, etc.) \_\_\_\_\_

Comments:

## Field Sampling Information

Sampling date (mmm-dd-yy): \_\_\_\_\_ Time: \_\_\_\_\_

Sampler type(s): \_\_\_\_\_ e.g., Surber, Hess, Kicknet, Drift, Qualitative Search

Mesh size: \_\_\_\_\_ (microns)

Sampling area : \_\_\_\_\_ (ft<sup>2</sup> or m<sup>2</sup>), OR Qualitative sample with unknown sampling area : Yes

Habitat(s) sampled: \_\_\_\_\_ e.g., Riffle, Pool, Vegetation, Multiple

Field split: \_\_\_\_\_ (none = 100%, ½ = 50%, etc.)

Field comments:

Laboratory sample split (%): \_\_\_\_\_

Water chemistry

Alkalinity: \_\_\_\_\_ mg/L

Sulfate: \_\_\_\_\_ mg/L

Conductivity: \_\_\_\_\_ micro Siemens

pH: \_\_\_\_\_

Air Temperature: \_\_\_\_\_ C or F

Water temperature: \_\_\_\_\_ C or F

Continuous water temperature (thermograph): Y or N   Estimate of overstream shade: \_\_\_\_\_ %

Estimate of annual minimum and maximum water temperature: \_\_\_\_\_ / \_\_\_\_\_ (C or F)

Stream Channel

Stream gradient: \_\_\_\_\_ %

Dominant substrate: 1= boulder   2= cobble   3 = gravel   4 = sand   5= bed rock

Estimated stream flow: \_\_\_\_\_ cfs or cms

Estimated average water velocity: \_\_\_\_\_ ft/sec or m/sec

Estimated average bankfull width: \_\_\_\_\_ feet or meters

Estimated average bankfull depth: \_\_\_\_\_ feet or meters

Pebble Count data, classes based on Federal Interagency Sedimentation Project Gravelometer, Model # US SA97

Size Class (mm)	Count
<2	
2.8	
4	
5.6	
8	
11	
16	
22.6	
32	
45	
64	
90	
128	
180	
>180	

Particle size summary:  $D_{50}$  \_\_\_\_\_  $D_{16}$  \_\_\_\_\_  $D_{84}$  \_\_\_\_\_

Comments: