

MiCorps Site ID#: \_\_\_\_\_



## Stream Macroinvertebrate Datasheet

**Site Name:** \_\_\_\_\_

Date: \_\_\_\_\_ Collection Start Time: \_\_\_\_\_ (AM/PM)

Major Watershed: \_\_\_\_\_ HUC Code (if known): \_\_\_\_\_

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

Names of Team members: \_\_\_\_\_

### Stream Conditions:

Average water depth: \_\_\_\_\_ feet

Notable weather conditions of the last week: \_\_\_\_\_

Are there any current site conditions that may impede normal macroinvertebrate sampling? (weather, flooding, poor visibility, etc?)

**Habitat Types:** Check the habitats that were sampled. Include as many as possible.

Remind the Collector to

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Riffles        | <input type="checkbox"/> Backwater areas                       | <input type="checkbox"/> Submerged Wood |
| <input type="checkbox"/> Rocks          | <input type="checkbox"/> Leaf Packs                            |   |
| <input type="checkbox"/> Aquatic Plants | <input type="checkbox"/> Pools                                 |   |
| <input type="checkbox"/> Runs           | <input type="checkbox"/> Undercut banks/Overhanging Vegetation |   |

Did you see any crayfish? #: \_\_\_\_\_, Clams/mussels? # \_\_\_\_\_

*\*remember to include them in the assessment on the other side!\**

**Do not take crayfish, fish, clams, and mussels from the water.**

Collection Finish Time: \_\_\_\_\_ (AM/PM) Picking Finish Time: \_\_\_\_\_ (AM/PM)

Identifications made/supervised by: \_\_\_\_\_

Rate your confidence in these identifications: Quite confident                      Not very confident  
5                      4                      3                      2                      1

**IDENTIFICATION AND ASSESSMENT**

**\*\* Do NOT count empty shells, pupae, or terrestrial macroinvertebrates \*\***  
**\*\* Taxa are listed from most pollution sensitive to most pollution tolerant \*\***

Count	Common Name	Scientific Taxa	Sensitivity Rating (0-10)	Count x Sensitivity
	Helgrammite (Dobsonfly)	Megaloptera, Corydalidae	0.0	
	Clubtail Dragonfly	Odonata, Gomphidae	1.0	
	Sensitive True Flies (water snipe fly, net-winged midge, dixid midge)	Athericidae, Blephariceridae, Dixidae,	1.0	
	Stonefly	Plecoptera	1.3	
	Caddisfly	Trichoptera	3.2	
	Mayfly	Ephemeroptera	3.5	
	Alderfly	Megaloptera, Sialidae	4.0	
	Scud	Amphipoda	4.0	
	Dragonfly	Odonata	4.0	
	Beetle	Coleoptera	5.1	
	Somewhat Sensitive True Flies	Dipterans (those not listed elsewhere)	6.0	
	Crayfish	Decapoda	6.0	
	Bivalves/Snails	Pelecypoda, Gastropoda	6.9	
	True Bug	Hemiptera	7.7	
	Damselfly	Odonata	7.7	
	Sowbug	Isopoda	8.0	
	Tolerant True Fly (mosquito, rat-tailed maggot, soldier fly)	Cuclidae, Syphridae, Stratiomyidae	8.7	
	Leech	Hirundinae	10.0	
	Aquatic Worm	Oligochaeta	10.0	

First: If your total abundance is Less than 30 → Automatically give it a WQR of 10 (Very Poor rating)  
 Less than 60 → Automatically give it a WQR of 7 (Poor rating)

Water Quality Rating	Degree of Organic Pollution
0.0-3.50 excellent	Pollution unlikely
3.51-4.50 very good	Slight pollution possible
4.51-5.50 good	Some pollution possible
5.51-6.50 fair	Fairly substantial pollution likely
6.51-7.50 fairly poor	Substantial pollution likely
7.51-8.50 poor	Very substantial pollution likely
8.51-10.0 very poor	Severe pollution likely

	<b>Total Abundance</b>
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	<b>Sum of (Count x Sensitivity):</b>
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**Water Quality Rating =**

**Sum of (Count x Sensitivity) Divided By Total Abundance**

= \_\_\_\_\_