Michigan Clean Water Corps

Stream Macroinvertebrate Order Level Datasheet

Volunteer Stream Monitoring Program
Michigan Streams – Ours to Protect

Site Name: _____

MiCorps Site ID:_____ Organization Site ID (if different):_____

Date:_____ Time starting collection:_____
Time starting picking:_____

Latitude (if known):_____ Longitude (if known):_____

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.

____Riffles
____Rocks
____Aquatic Plants
____Runs
____Backwater areas
____Leaf Packs
____Pools
____Undercut banks/Overhanging Vegetation
____Submerged Wood

Did you see any crayfish? #:_____, Clams/mussels? #_____
Return these to the water. 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:_____

Datasheet checked for completeness by:_____ Datasheet version 5/28/2026
Data entered into MiCorps database by:_____ Date:_____

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
	Hellgrammite (Dobsonfly)	Megaloptera, Corydalidae	0.0	
	Clubtail Dragonfly	Odonata, Gomphidae	1.0	
	Stonefly	Plecoptera	1.6	
	Sensitive True Fly (water snipe fly,net-winged midge, dixid midge)	Athericidae, Blephariceridae, Dixidae	1.9	
	Caddisfly	Trichoptera	2.6	
	Mayfly	Ephemeroptera	3.0	
	Dragonfly	Odonata	3.4	
	Alderfly	Megaloptera, Sialidae	4.0	
	Beetle	Coleoptera	4.4	
	Common net-spinning caddisfly	Hydropsychidae, Trichoptera	4.5	
	True Bug	Hemiptera	5.5	
	Somewhat Sensitive True Fly	Dipterans (those not listed elsewhere)	5.9	
	Scud	Amphipoda	6.0	
	Crayfish	Decapoda	6.0	
	Damselfly	Odonata	6.2	
	Bivalve/Snail	Pelecypoda, Gastropoda	7.1	
	Sowbug	Isopoda	8.0	
	Tolerant True Fly (mosquito, rat-tailed maggot, soldier fly)	Culicidae, Syrphidae, Stratiomyidae	8.5	
	Leech	Hirudinae	10.0	
	Aquatic Worm	Oligochaeta	10.0	
	Total Abundance		**Sum of (Count x Sensitivity):**	

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

RESULTS	
Total Diversity: *Number of total groups*	
Sensitive Diversity: *Number of groups that have a tolerance of 3 or less*	
Water Quality Rating (WQR) *If total abundance <30 → 10* *If total abundance <60 → 7* *Otherwise, use this formula:*	*WQR Number* / *WQR Rating*
Sum of (Count x Sensitivity) / Total Abundance	