

Site ID: \_\_\_\_\_



# Stream Macroinvertebrate Datasheet (2 pages)

Stream Name: \_\_\_\_\_

Location: \_\_\_\_\_ (Check one: Upstream  Downstream  of road?)

Date: \_\_\_\_\_

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

Major Watershed: Muskegon River

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

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

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

## MONITORING TEAM

Name of Person Completing Datasheet: \_\_\_\_\_

Collector: \_\_\_\_\_

Other Team Members: \_\_\_\_\_

## STREAM CONDITIONS

Average Water Depth (ft): \_\_\_\_\_

Air Temperature \_\_\_\_\_

Current weather conditions \_\_\_\_\_

Last storm event \_\_\_\_\_

Is the substrate covered with excessive silt? No  Yes  (describe: \_\_\_\_\_)

Substrate Embeddedness in Riffles: 0-25%  25-50%  50%%  Unsure

Did you observe any fish or wildlife? No  Yes  If so, describe: \_\_\_\_\_

## MACROINVERTEBRATE COLLECTION

Check the habitats that were sampled. Include as many as possible.

Riffles

Stream Margins

Submerged Wood

Cobbles

Leaf Packs

Other (describe: \_\_\_\_\_)

Aquatic Plants

Pools

Runs

Undercut banks/Overhanging Vegetation

Did you see, but not collect, any live crayfish? Yes  No , or large clams? Yes  No

Remember to include them in the assessment on the other side!

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

Datasheet checked for completeness by: \_\_\_\_\_

Data entered into MRWA database – date: \_\_\_\_\_

Data entered into MiCorps database by: \_\_\_\_\_ Date: \_\_\_\_\_



Site ID: \_\_\_\_\_

**IDENTIFICATION AND ASSESSMENT**

Write the number of specimens on the first line, then use letter codes [**R (rare)** = 1-10; **C (common)** = 11 or more] to record the approximate numbers of organisms in each taxa found in the stream reach.

**\*\*Do NOT count empty shells, pupae, or terrestrial macroinvertebrates\*\***

Group 1: Sensitive

- \_\_\_\_\_ Caddisfly Larvae (Trichoptera)  
EXCEPT Net-spinning caddis
- \_\_\_\_\_ Hellgrammites/Dobsonfly (Megaloptera)
- \_\_\_\_\_ Mayfly nymphs (Ephemeroptera)
- \_\_\_\_\_ Gilled (right-handed) snails (Gastropoda)
- \_\_\_\_\_ Stonefly nymphs (Plecoptera)
- \_\_\_\_\_ Water Penny (Coleoptera)
- \_\_\_\_\_ Water Snipe fly (Diptera)

Group 2: Somewhat-Sensitive

- \_\_\_\_\_ Alderfly larvae (Megaloptera)
- \_\_\_\_\_ Beetle adults (Coleoptera)
- \_\_\_\_\_ Beetle larvae (Coleoptera)
- \_\_\_\_\_ Black fly larvae (Diptera)
- \_\_\_\_\_ Clams (Pelecypoda)
- \_\_\_\_\_ Crane fly larvae (Diptera)
- \_\_\_\_\_ Crayfish (Decapoda)
- \_\_\_\_\_ Damselfly nymphs (Odonata)
- \_\_\_\_\_ Dragonfly nymphs (Odonata)
- \_\_\_\_\_ Net-spinning caddisfly larvae (Hydropsychidae;Tri)
- \_\_\_\_\_ Scuds (Amphipoda)
- \_\_\_\_\_ Sowbugs (Isopoda)

Group 3: Tolerant

- \_\_\_\_\_ Aquatic worms (Oligochaeta)
- \_\_\_\_\_ Leeches (Hirudinea)
- \_\_\_\_\_ Midge larvae (Diptera)
- \_\_\_\_\_ Pouch snails (Gastropoda)
- \_\_\_\_\_ True bugs (Hemiptera)
- \_\_\_\_\_ Other true flies (Diptera)

**STREAM QUALITY SCORE**

(Note: Number of R's and C's)

Group 1:

\_\_\_\_\_ # of R's \* 5.0 = \_\_\_\_\_

\_\_\_\_\_ # of C's \* 5.3 = \_\_\_\_\_

Group 1 Total = \_\_\_\_\_

Group 2:

\_\_\_\_\_ # of R's \* 3.0 = \_\_\_\_\_

\_\_\_\_\_ # of C's \* 3.2 = \_\_\_\_\_

Group 2 Total = \_\_\_\_\_

Group 3:

\_\_\_\_\_ # of R's \* 1.1 = \_\_\_\_\_

\_\_\_\_\_ # of C's \* 1.0 = \_\_\_\_\_

Group 3 Total = \_\_\_\_\_

Total Stream Quality Score = \_\_\_\_\_

(Sum of totals for groups 1-3; round to nearest whole number)

Check one:

\_\_\_\_\_ Excellent (>48)

\_\_\_\_\_ Good (34-48)

\_\_\_\_\_ Fair (19-33)

\_\_\_\_\_ Poor (<19)

Number of jars containing specimen from this site: \_\_\_\_\_

Identifications made by: \_\_\_\_\_ Comments: \_\_\_\_\_

Rate your confidence in these identifications:

Quite confident

Not very confident

1  2  3  4  5

Datasheet checked for completeness by: \_\_\_\_\_

Quality Assurance protocols verified by: \_\_\_\_\_

Data entered into MRWA database – date: \_\_\_\_\_ Data entered into MiCorps database by: \_\_\_\_\_