

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.

- | | | |
|---|--|--|
| <input type="checkbox"/> Riffles | <input type="checkbox"/> Stream Margins | <input type="checkbox"/> Submerged Wood |
| <input type="checkbox"/> Cobbles | <input type="checkbox"/> Leaf Packs | <input type="checkbox"/> Other (describe: _____) |
| <input type="checkbox"/> Aquatic Plants | <input type="checkbox"/> Pools | |
| <input type="checkbox"/> Runs | <input type="checkbox"/> 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: _____