

Site ID: _____



Stream Macroinvertebrate Datasheet (2 pages)

Stream Name: _____

Location: _____ (Circle one: Upstream or 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 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

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;Trichoptera)
- _____ 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)

Number of jars containing specimen from this site: _____

Identifications made by: _____

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: _____ Date: _____

STREAM QUALITY SCORE

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)