

Identification and Assessment

YELLOW RIVER / S. BRANCH of the Shiawassee

To record the approximate numbers of live organisms collected in each taxa found in the stream reach, use letter codes: **R** (rare) for 1 to 10; and **C** (common) for 11 or more. ****Do NOT count empty shells, pupae, or terrestrial macro invertebrates.**

Group 1: Sensitive

- C Caddisfly Larvae (Trichoptera)
Except Net-spinning caddis (listed in Group 2)
- _____ Hellgrammites (Megaloptera)
- C Mayfly nymphs (Ephemeroptera)
- R Gilled (right-handed) snails (Gastropoda)
- _____ Stonefly nymphs (Plecoptera)
- _____ Water Penny (Coleoptera)
- _____ Water Snipe fly (Diptera)

STREAM QUALITY SCORE

Group 1:
1 # of R's x 5.0 = 5
2 # of C's x 5.3 = 10.6
 Group 1 Total = 15.6

Group 2: Somewhat Sensitive

- R Alderfly larvae (Megaloptera)
- C Beetle adults (Coleoptera)
- _____ Beetle larvae (Coleoptera)
- R Black fly larvae (Diptera)
- _____ Clams (Pelecypoda)
- _____ Crane Fly larvae (Diptera)
- _____ Crayfish (from count) (Decapoda)
- C Damselfly nymphs (Odonata)
- _____ Dragonfly nymphs (Odonata)
- R Net-spinning caddisfly larvae (Hydropsychidae, and Trichoptera)
- C Scuds (Amphipoda)
- _____ Sowbugs (Isopoda)

Group 2:
3 # of R's x 3.0 = 9
3 # of C's x 3.2 = 9.6
 Group 2 Total = 12.6

Group 3:

1 # of R's x 1.1 = 1.1
4 # of C's x 1.0 = 4
 Group 3 Total = 5.1

Groups 3: Tolerant

- C Aquatic worms (Oligochaeta)
- _____ Leeches (Hirudinea)
- C Midge Larvae (Diptera)
- C Pouch snails (Gastropoda)
- C True bugs (Hemiptera)
- R Other true flies (Diptera)

Total Stream Quality Score = 33.3

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

Check One: Excellent (> 48) Fair (19 - 33)
 Good (34-48) Poor (< 19)

Identifications Made by: _____

Rate your confidence in these identifications: Quite Confident Not Very Confident

Datasheet checked for completeness by: GARY MESSENGER & PAT COCKFIELD Datasheet Version 10/08/05

Data entered into MiCorps database by: _____ Date: 5-2-2021

Credits

This habitat assessment was created for the MiCorps Volunteer Stream Monitoring Program from a combination of habitat assessments from the Huron River Watershed Council, the Friends of the Rouge River, and the Michigan Department of Environmental Quality. Version 1.0, June 2009. Revised by the Flint River Watershed Coalition, Apr. 2011