

Identification and Assessment

FAIL Down Town Linden 9-24-22

To record the approximate numbers of five 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

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

STREAM QUALITY SCORE

Group 1:
2 # of R's x 5.0 = 10
1 # of C's x 5.3 = 5.3
 Group 1 Total = 15.3

Group 2: Somewhat Sensitive

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

Group 2:
3 # of R's x 3.0 = 9
2 # of C's x 3.2 = 6.4
 Group 2 Total = 15.4

Group 3:
3 # of R's x 1.1 = 3.3
0 # of C's x 1.0 = 0
 Group 3 Total = 3.3

Groups 3: Tolerant

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

Total Stream Quality Score = 34
 (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: GARY MESSENGER & PAT COCKRICH

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

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

Data entered into MiCorps database by: _____ Date: 9-24-2022

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