

Identification and Assessment

FAIL DUFFIELD RD

10-9-22

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)
- ___ 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

1 # of C's x 5.3 = 5.3

Group 1 Total = 10.3

Group 2: Somewhat Sensitive

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

Group 2:

4 # of R's x 3.0 = 12

___ # of C's x 3.2 = 0

Group 2 Total = 12

Group 3:

3 # of R's x 1.1 = 3.3

___ # of C's x 1.0 = 0

Group 3 Total = 3.3

Groups 3: Tolerant

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

Total Stream Quality Score = 25.6
(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 COCKFIELD

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

5 4 3 2 1

Datasheet checked for completeness by: Gary Messenger Datasheet Version 10/03/05

Data entered into MiCorps database by: _____ Date: 10-9-2022

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