

# Identification and Assessment DUFFIELD RL

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

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

## STREAM QUALITY SCORE

Group 1:  
3 # of R's x 5.0 = 15  
    # of C's x 5.3 =      
 Group 1 Total = 15

## Group 2: Somewhat Sensitive

- R Alderfly larvae (Megaloptera)
- R Beetle adults (Coleoptera)
- Beetle larvae (Coleoptera)
- 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  
2 # of C's x 3.2 = 6.4  
 Group 2 Total = 15.4

## Group 3:

2 # of R's x 1.1 = 2.2  
2 # of C's x 1.0 = 2  
 Group 3 Total = 4.2

## Groups 3: Tolerant

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

**Total Stream Quality Score = 34.6**

(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: GRAY MESSENGER, PAT COCKFIELD, JANWELL TILLMAN

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

5 4 3 2 1

Datasheet checked for completeness by: GRAY MESSENGER + PAT COCKFIELD Datasheet Version 10/08/05

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