

Identification and Assessment

No Black Flies

City of Fenwick
S. Long Lake Rd.

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

1/2 tails but Not Stonefly

- 2 Caddisfly Larvae (Trichoptera)
Except Net-spinning caddis (listed in Group 2)
- _____ Hellgrammites (Megaloptera)
- C Mayfly nymphs ~~|||||~~ ~~|||||~~ (Ephemeroptera)
- _____ 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 = 5.0
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 II (Coleoptera)
- _____ Black fly larvae (Diptera)
- R Clams 2 + 5 fingernail? (Pelecypoda)
- _____ Crane Fly larvae (Diptera)
- _____ Crayfish (from count) (Decapoda)
- R Damselfly nymphs ~~|||||~~ (Odonata)
- _____ Dragonfly nymphs (Odonata)
- C Net-spinning caddisfly larvae (Hydropsychidae, and Trichoptera)
- C Scuds 12+ (Amphipoda)
- _____ Sowbugs (Isopoda)

Group 2:
3 # of R's x 3.0 = 9.0
2 # of C's x 3.2 = 6.4
Group 2 Total = 15.4

Group 3:

4 # of R's x 1.1 = 4.4
1 # of C's x 1.0 = 1.0
Group 3 Total = 5.4

10.3
15.4
5.4
31.1

Total Stream Quality Score = 31.1

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

Groups 3: Tolerant

- C Aquatic worms (Oligochaeta)
- R Leeches 1 (Hirudinea)
- R Midge Larvae ~~|||||~~ II (Diptera)
- R Pouch snails 1 (Gastropoda)
- R True bugs Riffle ~~|||||~~ (Hemiptera)
- _____ Other true flies (Diptera)

Check One:

_____ Excellent (> 48) Fair (19 - 33)
_____ Good (34-48) _____ Poor (< 19)

Identifications Made by: Suzanne Lossing

Many of the mayflies had 2 tails but the gills were not like Stoneflies

Rate your confidence in these identifications:

Quite Confident 5 4 3 2 1 Not Very Confident

Datasheet checked for completeness by: _____

Datasheet Version 10/08/05

Data entered into MiCorps database by: _____

Date: 5-13-2010

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