

Stream Leaders Macroinvertebrate Identification

School: _____ Teacher(s): _____ Date/Time: _____

City/Twp.: _____ County: _____ Test Location: _____

River Branch/Tributary: _____ Bug Identifiers: _____

Directions: Identify and record approximate number of organisms in each group found in the stream reach.

Code: Use letter codes "R" and "C" (Rare = 1-10, Common = 11+)

Group 1: Pollution Sensitive

Tally	Count	Code

Caddisfly larvae (Trichoptera) *EXCEPT Net-spinning caddisflies
 Hellgrammites (Megaloptera)
 Mayfly nymphs (Ephemeroptera)
 Gilled (right-handed) snails (Gastropoda)
 Stonefly nymphs (Plecoptera)
 Water penny's (Coleoptera)
 Water snipe fly (Diptera)

Group 2: Somewhat Pollution Sensitive

Tally	Count	Code

Alderfly larvae (Megaloptera)
 Beetle adults (Coleoptera)
 Beetle larvae (Coleoptera)
 Black fly larvae (Diptera)
 Clams (Pelecypoda)
 Crane fly larvae (Diptera)
 Crayfish
 Damselfly nymphs (Odonata)
 Dragonfly nymphs (Odonata)
 Net-spinning caddisfly larvae (Trichoptera)
 Scud (Amphipoda)
 Sowbugs (Isopoda)

Group 3: Pollution Tolerant

Tally	Count	Code

Aquatic Worms (Oligochaeta)
 Leeches (Hirudinea)
 Midge larvae (Chironomidae)
 Pouch snails (Gastropoda)
 True bugs (Hemiptera)
 Other true flies (Diptera)

STREAM QUALITY SCORE

Group 1

_____ # of R's x 5.0 = _____

_____ # of C's x 5.3 = _____

Group 1 Total = _____

Group 2

_____ # of R's x 3.0 = _____

_____ # of C's x 3.2 = _____

Group 2 Total = _____

Group 3

_____ # of R's x 1.1 = _____

_____ # of C's x 1.0 = _____

Group 3 Total = _____

Total Stream Quality Score = _____
(Sum of totals for groups 1-3; round to nearest whole number)

Excellent (49+)

Good (34-48)

Fair (19-33)

Poor (0-18)