Macroinvertebrate Tally

Name of Collector ____________________
Location ____________________ Date of Collection __________

GROUP 1 - Sensitive to pollutants
Record the # of individuals on the lines.

- Stonfly Larva ______
- Dobsonfly Larva ______
- Alderfly Larva ______
- Water Snake Fly Larva ______
- Caddisfly Larva ______
- Water Penny Larva ______
- Dragonfly Larva ______
- Riffle Beetle ______

Total # of GROUP 1 animals found: ______

GROUP 2 - Semi-Sensitive to pollutants
Record the number of individuals on the lines.

- Fingernail Clam or Freshwater Mussel ______
- Crayfish ______
- Side view of "tails" ______
- Mayfly Larva ______
- Damsel Fly Larva ______

Total # of mayflies ______

GROUP 3 - Semi-Tolerant of pollutants
Record the # of individuals on the lines.

- Blackfly Larva ______
- Non-red Midge Larva ______
- Amphipod or Scud ______
- Snails: Gilled or Orb ______

Total # of GROUP 3 animals found: ______

GROUP 4 - Tolerant of pollutants
Record the # of individuals on the lines.

- Pouch Snail (left-side opening) ______
- Bloodworm Midge Larva (red) ______
- Leech ______
- Worms: Tubifex or Threadworm ______

Total # of GROUP 4 animals found: ______

Record the totals from each category box.
Then complete the calculations.

Group 1 Sensitive ______ x 4 = ______
Group 2 Semi-Sensitive ______ x 3 = ______
Group 3 Semi-Tolerant ______ x 2 = ______
Group 4 Tolerant ______ x 1 = ______

Total ______(E) ______(F)

Divide (F) by (E): ______ + ______

Index Score (F ÷ E) ______

How healthy is the stream?

3.6 and up Excellent
2.6 - 3.5 Good
2.1 - 2.5 Fair
1.0 - 2.0 Poor

Water Action Volunteers is a cooperative program between the University of Wisconsin-Extension and the Wisconsin Department of Natural Resources.
This tally modified for the uses of the St. Louis River - River Watch program. For more information, contact the River Watch program office at (218) 879-0789.

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