**Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Determining Water Quality Index**

|  |  |  |  |
| --- | --- | --- | --- |
|  | (column A) | (column B) | Column C) |
| **Macroinvertebrates** | **# of types** | **Tolerance value** | **Total** |
| Ephemeroptera (mayflies) |  | X 90 | = |
| Odonata (damselflies and dragonflies) |  | X 60 | = |
| Plecoptera (stoneflies) |  | X 100 | = |
| Trichoptera (caddisflies) |  | X 80 | = |
| Diptera (flies) |  | X 70 | = |
| Megaloptera (dobsonflies) |  | X 90 | = |
| Coleoptera (beetles) |  | X 70 | = |
| Amphipoda (scuds) |  | X 40 | = |
| Isopoda (sow bugs) |  | X 30 | = |
| Decapoda (crayfish and shrimp) |  | X 50 | = |
| Gastropoda (snails) |  | X 40 | = |
| Pelecypoda/Bivalvia (clams and mussels) |  | X 20 | = |
| Oligochaeta (segmented worms except leeches) |  | X 20 | = |
| Hirudinea (leeches) |  | X 10 | = |
| **Sum of columns** | (A) | --- | (C) |

Water Quality Index Number (sum of column A / sum of column C) =\_\_\_\_\_\_\_\_\_\_\_\_

Compare your water quality index number to the

**Water Quality Index**

>79 = Excellent

60-79 = Good

40-59 = Fair

<40 = Poor

scale in the box to the right.

Health of the site = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_