



## BIOLOGICAL MONITORING DATA FORM FOR VOLUNTEERS

Volunteer Name: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Station #: \_\_\_\_\_ Time Sampling: \_\_\_\_\_

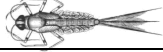




















Current Weather:  Clear skies  Scattered clouds  Broken clouds  Overcast

Water Level Conditions:  No/little flow  Normal flow  Faster flow  Very fast flow

Has it rained in the last 24 hours?  Yes  No

### MACROINVERTEBRATE SAMPLING

Please follow the sampling guidelines provided in the macroinvertebrate sampling bag.

| <b>SENSITIVE</b><br>Ex. <input checked="" type="checkbox"/> 4 "taxa"  | <b>SOMEWHAT SENSITIVE</b><br>Ex. <input checked="" type="checkbox"/> 10 "taxa"   | <b>TOLERANT</b><br>Ex. <input checked="" type="checkbox"/> 8 "taxa"   |
|---|--|---|
| <input type="checkbox"/> _____ Mayfly nymph<br>                        | <input type="checkbox"/> _____ Damselfly nymph<br>  | <input type="checkbox"/> _____ Leech<br>                             |
| <input type="checkbox"/> _____ Stonefly nymph<br>                     | <input type="checkbox"/> _____ Dragonfly nymph<br> | <input type="checkbox"/> _____ Midge larva<br>                      |
| <input type="checkbox"/> _____ Caddisfly larva<br>                   | <input type="checkbox"/> _____ Scud<br>           | <input type="checkbox"/> _____ Planaria (flatworm)<br>             |
| <input type="checkbox"/> _____ Riffle beetle larva<br>               | <input type="checkbox"/> _____ Sowbug<br>         | <input type="checkbox"/> _____ Blackfly larva<br>                  |
| <input type="checkbox"/> _____ Right-handed snail (gilled snail)<br> | <input type="checkbox"/> _____ Cranefly larva<br> | <input type="checkbox"/> _____ Aquatic worm<br>                    |
| <input type="checkbox"/> _____ Water penny<br>                       | <input type="checkbox"/> _____ Clam/mussel<br>    | <input type="checkbox"/> _____ Blood midge larva (red)<br>         |
| <input type="checkbox"/> _____ Dobsonfly larva (hellgrammite)<br>    | <input type="checkbox"/> _____ Crayfish<br>       | <input type="checkbox"/> _____ Left-handed snail (pouch snail)<br> |
| _____ # of checkmarks<br>multiplied by 3 = _____  | _____ # of checkmarks<br>multiplied by 2 = _____   | _____ # of checkmarks<br>multiplied by 1 = _____  |

### POLLUTION TOLERANCE INDEX

Add the three totals from each category. Total index value = \_\_\_\_\_

**Water Quality Rating:** Match the total index value to the following ranges.

- Excellent (23 or more)  
  Good (17-22)  
  Fair (11-16)  
  Poor (10 or less)

**Habitat Sampled:** check all that apply

- Undercut banks     Riffles     Leaf packs     Snags/vegetation     Sediment

**Please check other water quality indicators you observed:** if checked, please circle a description(s)

- Smell/odor (rotten eggs, musky, oil, sewage)
- Algae/scum (on surface)
- Algae/scum (on substrate)
- Film on water (grey, black, milky, foamy, muddy, oily)
- Streambank erosion (slight, moderate, severe)
- Streambank/riparian vegetation (mowed grass, tall grass, shrubs, trees)
- Other (please describe) \_\_\_\_\_

**NOTES:** use this space to jot down anything you noticed in the field that may be relevant.

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