



# Aquatic Invertebrate Data Sheet

10/8/22  
BARIGI

Group Name: \_\_\_\_\_  
 Survey Site Code: \_\_\_\_\_  
 Sample Type (circle): Edge or Riffle

Group Size: \_\_\_\_\_  
 Date Sampled: \_\_\_\_\_

For further information refer to the Waterwatch Victoria Methods Manual

**Sample Collection:**

When collecting the sample work over an area of 10m for 10min.

**Live Sorting:**

Sort through the sample for 30mins removing one of each different aquatic invertebrate observed and place into a ice cube tray. If after 30mins you find an invertebrate that you haven't observed before, sort for a further 10 mins.

When finished sorting use reference texts to identify each type of invertebrate. Circle the type in column 1 and in column 2, estimating the number found.

**Stream Condition Chart:**  
 From the total scores at the bottom of column 1 and 2 use the values to calculate a Stream Condition.

From column 2 use the total no. of animals to find the abundance category. Use the scale on the side to rate abundance category (0-5) and the total in column 1 to find the matching box.

| AQUATIC INVERTEBRATES NAME  | Column 1   | Column 2  |
|---|------------|-----------|
|   | Bug scores | Abundance |
| <b>Very Sensitive Aquatic Invertebrates</b>   |            |           |
| Stonefly Nymph  | 8          |           |
| Mayfly Nymph  | 7          |           |
| Caddisfly Larvae  | <u>7</u>   | 20        |
| <b>Sensitive Aquatic Invertebrates</b>  |            |           |
| Toe-biters/Dobsonflies/Alderflies (Megaloptera)   | 6          |           |
| Damselfly Nymph   | <u>6</u>   | 15        |
| Dragonfly Nymph   | 6          |           |
| Freshwater Mussel   | 5          |           |
| Aquatic caterpillars (Lepidoptera)  | 5          |           |
| Freshwater Shrimp/prawn   | <u>5</u>   | 60        |
| Freshwater Yabbie/Crayfish  | 5          |           |
| Water Mite  | <u>5</u>   | 1         |
| Freshwater Slater   | <u>5</u>   | 1         |
| <b>Tolerant Aquatic Invertebrates</b>   |            |           |
| Hydra   | 4          |           |
| Beetles Larvae  | 4          |           |
| True Bugs<br>(Backswimmer, Water Scorpion, <u>Water Boatman</u> ,<br>Lesser Water Strider, Water Strider/Treader) | <u>4</u>   | 100       |
| Freshwater Sandhopper (Amphipod)  | 4          |           |
| Beetles (Dytiscid Beetles, Whirligig Beetles)   | 3          |           |
| Nematodes   | 3          |           |
| Leech   | 3          |           |
| Snails (Freshwater)   | <u>3</u>   | 3         |
| Flatworm  | 3          |           |
| <b>Very Tolerant Aquatic Invertebrates</b>  |            |           |
| Mosquito Larvae   | 2          |           |
| Midge Larvae  | 2          |           |
| Fly Larvae  | 2          |           |
| Aquatic Earthworm   | 1          |           |
| Blood Worm  | 1          | 2         |
| <i>crab x2</i>  |            |           |
| <b>Totals</b>   |            | 2         |

| Nos. of animals | Category |
|-----------------|----------|
| 0-30            | 1        |
| 31-100          | 2        |
| 101-200         | 3        |
| 201-500         | <u>4</u> |
| >500            | 5        |

