

Freshwater C. Steiner School

Wetland @ school

9/9/22



Aquatic Invertebrate Data Sheet



Group Name:

Site Code:

Sample Type (circle): Edge or Riffle

Group Size:

Date Sampled:

For further information refer to the Waterwatch Victoria Methods Manual

AQUATIC INVERTEBRATES NAME	Column 1	Column 2
	Bug scores	Abundance
Very Sensitive Aquatic Invertebrates		
Stonefly Nymph	8	
Mayfly Nymph <i>baetid (10)</i>	<u>7</u>	10
Caddisfly Larvae	7	
Sensitive Aquatic Invertebrates		
Toe-biters/Dobsonflies/Alderflies (Megaloptera)	6	
Damselfly Nymph	<u>6</u>	50
Dragonfly Nymph <i>spider (10)</i>	<u>6</u>	30
Freshwater Mussel	5	
Aquatic caterpillars (Lepidoptera)	5	
Freshwater Shrimp/prawn	5	
Freshwater Yabbie/Crayfish	5	
Water Mite	<u>5</u>	50
Freshwater Slater	5	
Tolerant Aquatic Invertebrates		
Hydra	4	
Beetle Larvae <i>robust (1) giant waterbug</i>	4	
True Bugs <i>slender (100) creeping waterbug (3)</i> (Backswimmer, Water Scorpion, Water Boatman (1))	<u>4</u>	100
Lesser Water Strider, Water Strider/Treader	<u>4</u>	
Freshwater Sandhopper (Amphipod)	<u>4</u>	5
Beetles (Dytiscid Beetles, Whirligig Beetles)	<u>3</u>	
Nematodes	3	
Leech	3	
Snails (freshwater)	3	
Flatworm	3	
Very Tolerant Aquatic Invertebrates		
Mosquito Larvae	2	
Midge Larvae <i>chironomid</i>	<u>2</u>	1
Fly Larvae	2	
Aquatic Earthworm	<u>1</u>	1
Blood Worm	1	
Totals	41	247

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.

Overall Abundance Categories

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

