

Aquatic Invertebrate Data Sheet

Group Name: Cow016
Survey Site Code: 4.822
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	7	/
Caddisfly Larvae	7	/
Sensitive Aquatic Invertebrates		
Toe-biters/Dobsonflies/Alderflies (Megaloptera)	6	/
Damselfly Nymph	6	12
Dragonfly Nymph	5	24 or 14
Freshwater Mussel	5	1
Aquatic caterpillars (Lepidoptera)	5	/
Freshwater Shrimp/prawn	5	/
Freshwater Yabbie/Crayfish	5	/
Water Mite	5	2
Freshwater Slater	5	/
Tolerant Aquatic Invertebrates		
Hydra	4	/
Beetles Larvae	4	/
True Bugs (Backswimmer, Water Scorpion Water Boatman, Lesser Water Strider, Water Strider/Treader)	4	/
Freshwater Sandhopper (Amphipod)	4	/
Beetles (Dytiscid Beetles, Whirligig Beetles)	3	1
Nematodes	3	1
Leech	3	/
Snails (Freshwater)	3	/
Flatworm	3	/
Very Tolerant Aquatic Invertebrates		
Mosquito Larvae	2	/
Midge Larvae	2	2
Fly Larvae	2	/
Aquatic Earthworm	1	/
Blood Worm	1	10
Totals		31
		43

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	4
>500	5

Stream Condition Chart

Abundance Categories (Column 2)	5	Fair	Very Good
	4		
	3	Poor X	Good
	2		
	1		

0 18 35 >35
Total Bug Score (Column 1)