

Aquatic Invertebrate Data Sheet

Group Name: CCMA
Survey Site Code: CO-WAA012
Sample Type (circle): Edge or Riffle

Group Size:
Date Sampled: 27/9/21

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	<u>10</u>	8 4
Sensitive Aquatic Invertebrates		
Toe-biters/Dobsonflies/Alderflies (Megaloptera)	6	
Damselfly Nymph	<u>6</u>	1
Dragonfly Nymph	<u>6</u>	1
Freshwater Mussel	5	
Aquatic caterpillars (Lepidoptera)	5	
Freshwater Shrimp/prawn	5	
Freshwater Yabbie/Crayfish	5	
Water Mite	<u>5</u>	10
Freshwater Slater	5	
Tolerant Aquatic Invertebrates		
Hydra	4	
Beetles Larvae	4	
True Bugs (Backswimmer, Water Scorpion Water Boatman, Lesser Water Strider, Water Strider/Treader)	<u>4</u>	6
Freshwater Sandhopper (Amphipod)	4	
Beetles (Dytiscid Beetles, Whirligig Beetles)	3	
Nematodes	3	
Leech	3	
Snails (Freshwater)	<u>3</u>	5
Flatworm	3	
Very Tolerant Aquatic Invertebrates		
Mosquito Larvae	<u>2</u>	1
Midge Larvae	2	
Fly Larvae	2	
Aquatic Earthworm	1	
Blood Worm	1	
Totals		
	<u>33</u>	<u>27</u>

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.

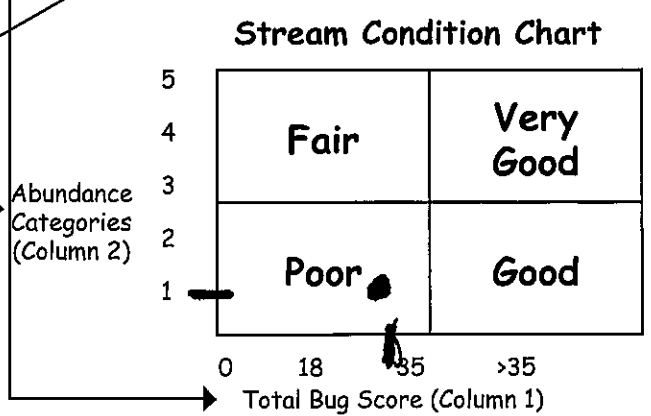
From column 2 use the total no. of animals to find the abundance category. Use the scale on the side to rate abundance category (0-5) and the total in column 1 to find the matching box.

Yarra Pygmy Perch

freshwater crab

Overall Abundance Categories

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



AM.00
CO-WAW-00
□

15/P/75

A 0

1 00

01 0

0 0

0 0

1 0

51 22

John Brown
Library

done 1/20/07

Aquatic Invertebrate Data Sheet

Group Name: CCMA
 Survey Site Code: CO-LAG-012
 Sample Type (circle): Edge or Riffle

Group Size: 7
 Date Sampled: 28/9/21

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)	4
Sensitive Aquatic Invertebrates		
Toe-biters/Dobsonflies/Alderflies (Megaloptera)	6	
Damselfly Nymph	6	
Dragonfly Nymph	6	
Freshwater Mussel	5	
Aquatic caterpillars (Lepidoptera)	(5)	1
Freshwater Shrimp/prawn	5	
Freshwater Yabbie/Crayfish	5	
Water Mite	(5)	10
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)	5
Freshwater Sandhopper (Amphipod)	4	
Beetles (Dytiscid Beetles, Whirligig Beetles)	3	
Nematodes	3	
Leech	3	
Snails (Freshwater)	(3)	30
Flatworm	3	
Very Tolerant Aquatic Invertebrates		
Mosquito Larvae	(2)	2
Midge Larvae	(2)	5
Fly Larvae	2	
Aquatic Earthworm	1	
Blood Worm	1	
Totals		
	28	67

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.

Spider crabs - 6
 common galaxias - 1

Overall Abundance Categories

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

Stream Condition Chart

5		
4	Fair	Very Good
3		
2	Poor	Good
1		

Abundance Categories (Column 2)

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

