



FAMILY ECNOMIDAE

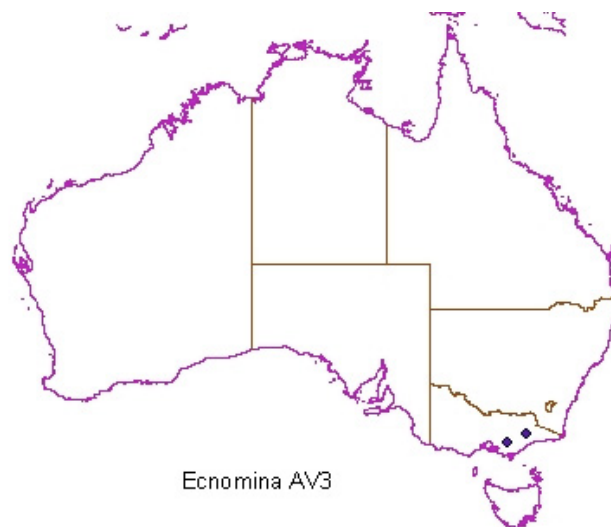
Habitat profile for *Ecnomina* sp. AV3

Ecnomina sp. AV3 was recorded from only 2 Victorian localities in this study. Previously, larvae have also been recorded from Tasmania (Cartwright 1997).

In this study *Ecnomina* sp. AV3 was recorded from a sweep habitat sample from streams at 180 and 250 m altitude, 20 and 88 km from the source, with predominantly cobble substrate, with medium stream width of 10 m, water depth of 0.23 m, low alkalinity of 8 mg/L and a low conductivity of 30 μ S/cm.

The following can be stated about the other parameters listed in the Table: recorded water temperature of 14.6°C, slightly alkaline pH of 7.35 and very low turbidity of 2.2 NTU.

Mean, median and range for selected physical and chemical parameters and habitat categories are given in the Table.



Distribution of *Ecnomina* sp AV3 in Australia.

Ecnomina sp AV3, head and typical habitat

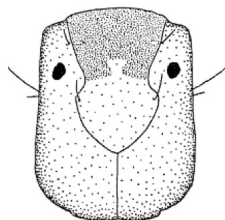




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* sp. AV3 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	215	215	180-250	2
Distance from source (km)	54	54	20-88	2
Stream width (m)	10	10	10	1
Stream depth (m)	0.23	0.23	0.23	1
Water temperature (°C)	14.6	14.6	14.6	1
Conductivity (µS/cm)	30	30	30	1
pH	7.35	7.35	7.35	1
Alkalinity (mg/L)	8	8	8	1
Turbidity (NTU)	2.2	2.2	2.2	1
Total N (mg/L)				
NO ₃ -N (mg/L)	0.086	0.086	0.086	1
Total P (mg/L)	0.016	0.016	0.016	1

References

Cartwright D (1997) 'Preliminary guide to the identification of late instar larvae of Australian Ecnomidae, Philopotamidae and Tasimiidae (Insecta: Trichoptera).'

(Cooperative Research Centre for Freshwater Ecology.: Albury)