



FAMILY ECNOMIDAE

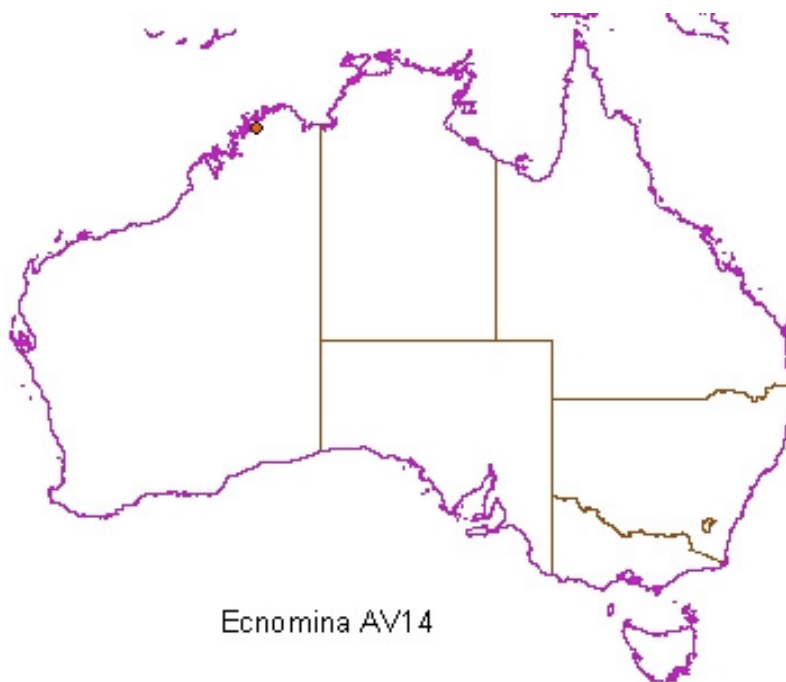
Habitat profile for *Ecnomina* sp. AV14

Ecnomina sp. AV14 was recorded from only 1 northern Western Australian locality in this study. This larva has also been previously recorded from the Northern Territory and north east Queensland ((Cartwright 1997).

Ecnomina sp. AV14 was recorded from pool rocks and channel habitat samples from a stream at 220 m altitude, 60 km from the source, with low alkalinity (27 mg/L) and conductivity of 50 μ S/cm.

The following can be stated about the other parameters listed in the Table: a recorded water temperature of a warm 29.5°C, and alkaline pH of 7.9.

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



Distribution of *Ecnomina* sp AV14 in Australia.



Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* sp. AV14 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	220	220	220	2
Distance from source (km)	60	60	60	2
Stream width (m)				
Stream depth (m)				
Water temperature	29.5	29.5	29.5	2
Conductivity ($\mu\text{S}/\text{cm}$)	50	50	50	2
pH	7.9	7.9	7.9	2
Alkalinity (mg/L)	27	27	27	2
Turbidity (NTU)	1.2	1.2	1.2	2
Total N (mg/L)	0.48	0.48	0.48	2
NO ₃ -N (mg/L)	0.03	0.03	0.03	2
Total P (mg/L)	0.02	0.02	0.02	1
P SR (mg/L)	0.01	0.01	0.01	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)