



FAMILY ECNOMIDAE

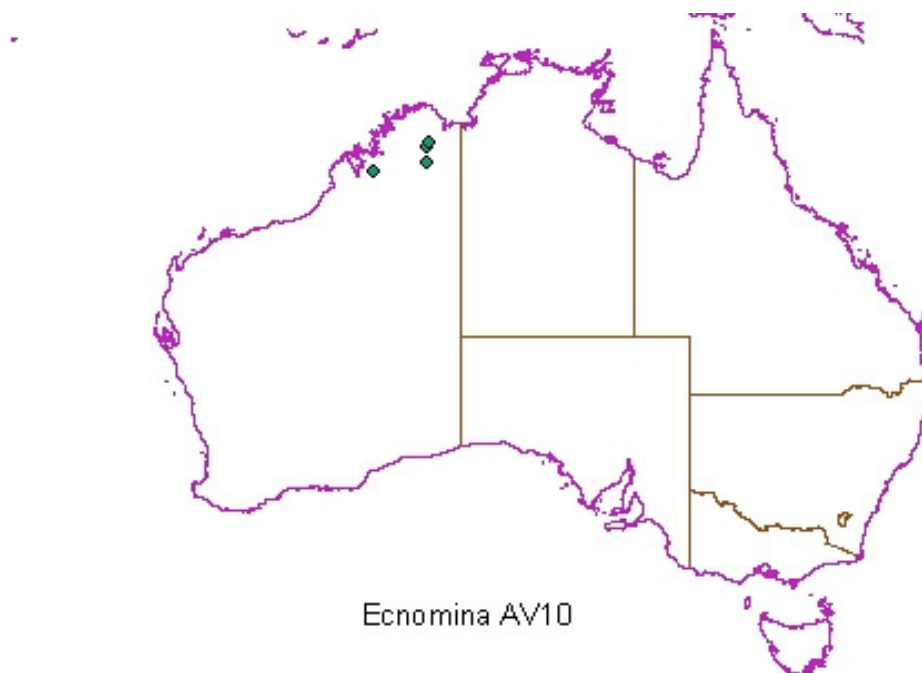
Habitat profile for *Ecnomina* sp. AV10

Ecnomina sp. AV10 was recorded from only 6 northern Western Australian localities in this study.

In this study *Ecnomina* sp. AV10 was recorded from pool and channel habitat samples from low to medium altitude streams between 50-450 m (Chart a), 18-160 km from the source (Chart b), with low to moderate alkalinity (range 16-100 mg/L) (Chart c) and low conductivity of between 45-280 μ S/cm (Chart d).

The following can be stated about the other parameters listed in the Table: warm recorded water temperatures between 20.4-30.5°C and circum-neutral pH with a range of 6.3-7.9.

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

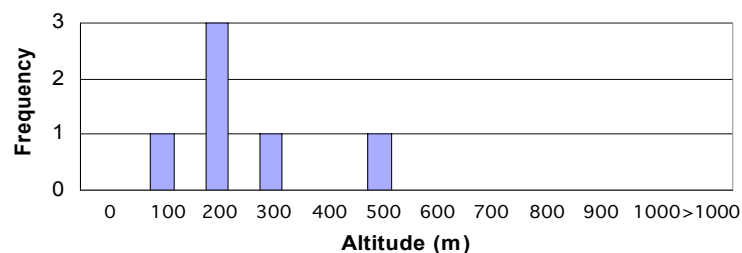


Distribution of *Ecnomina* sp AV10 in Australia.

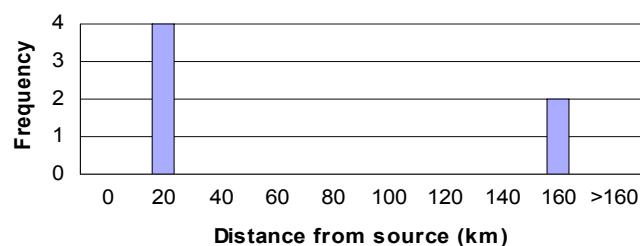


Charts for *Ecnomina* sp AV10

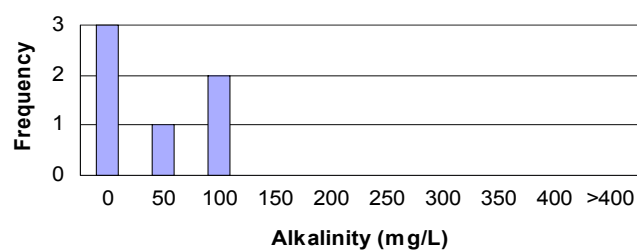
a) Altitude



b) Distance from source



c) Alkalinity



d) Conductivity

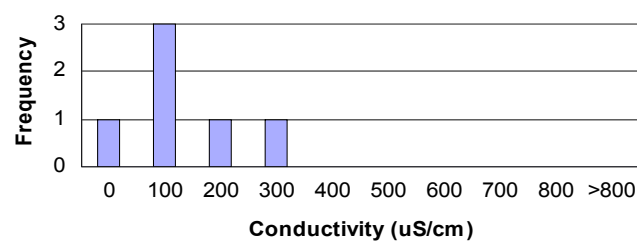




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* sp. AV10 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	242	220	50-450	6
Distance from source (km)	65	21.5	18-160	6
Stream width (m)				
Stream depth (m)				
Water temperature (°C)	25.1	24.1	20.4-30.5	6
Conductivity (µS/cm)	113	74.5	45-280	6
pH	7.1	7.0	6.3-7.9	6
Alkalinity (mg/L)	45.5	27	16-100	6
Turbidity (NTU)	5.5	4.5	1.5-14	6
Total N (mg/L)	0.60	0.36	0.13-1.5	6
NO ₃ -N (mg/L)	0.01	0.01	0.01	6
Total P (mg/L)	0.01	0.01	0.01	6
P SR (mg/L)	0.008	0.008	0.005-0.01	6