



FAMILY ECNOMIDAE

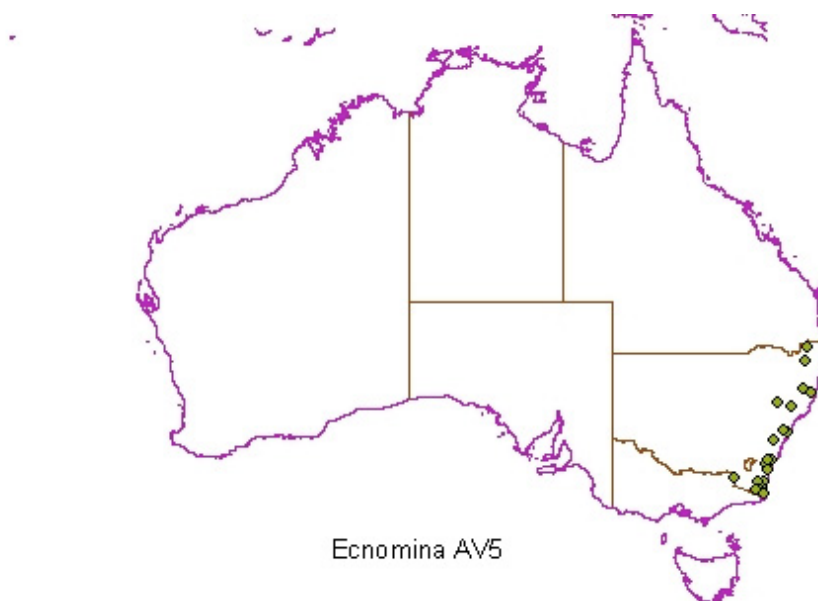
Habitat profile for *Ecnomina* sp. AV5

Ecnomina sp. AV5 was recorded from 28 Victorian, New South Wales and Queensland samples in this study.

Generally *Ecnomina* sp. AV5 was recorded in edge and pool habitat samples from low to moderate altitude streams below 1000 m altitude (Chart a), <30 km from the source (Chart b), with relatively even spread of substrates with high detritus cover (>25%) (Chart c). The streams were small to medium between 1-15 m wide (Chart d), depth <0.6 m (Chart e), with mainly low alkalinity <33 mg/L (Chart f) and low to moderate conductivity mostly <430 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures (between 11.5-21°C), pH generally acidic (range 4.4-7.7), and low turbidity (<16 NTU).

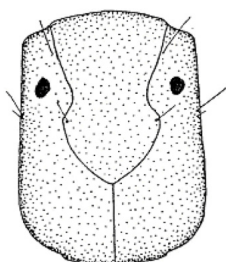
Mean, median and range for selected physical and chemical parameters and habitat categories are given in the Table.



Distribution of *Ecnomina* sp AV5 in Australia.

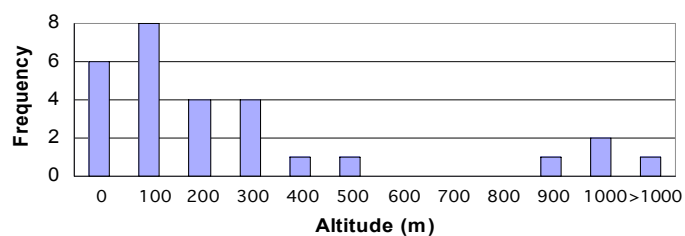


Ecnomina sp AV5, head

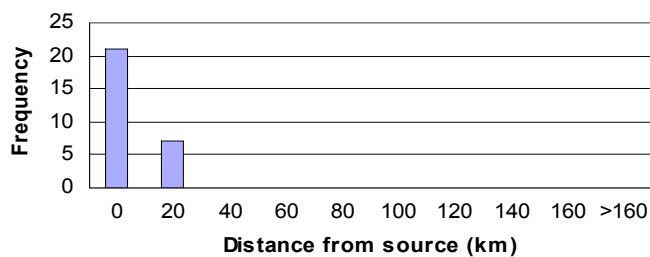


Charts for *Ecnomina* sp AV5

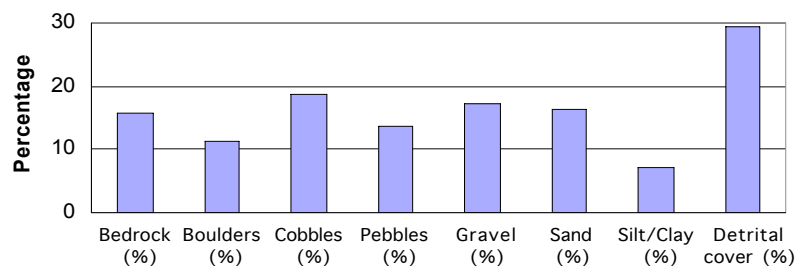
a) Altitude



b) Distance from source

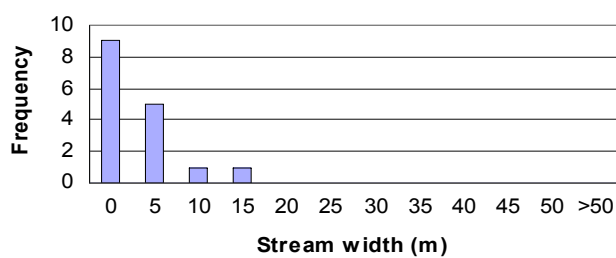


c) Substrate Particle Size

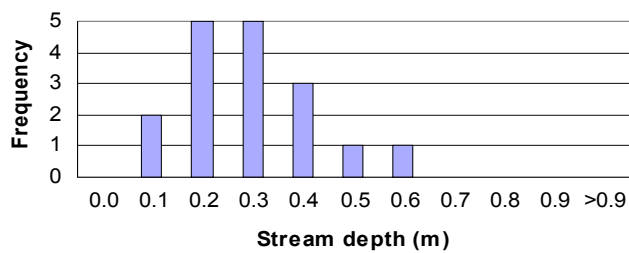




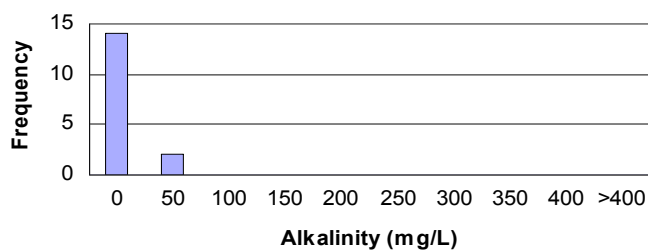
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

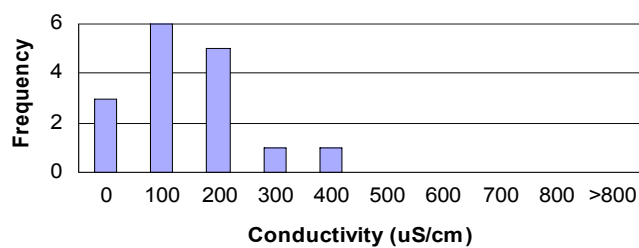




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* sp. AV5 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	283	175	10-1100	28
Distance from source (km)	8	6.8	0.6-28.5	28
Stream width (m)	3.6	2.2	1-15	16
Stream depth (m)	0.28	0.25	0.05-0.6	17
Water temperature (°C)	15.1	14.5	11.5-21	16
Conductivity (µS/cm)	144	129	0-427	17
pH	6.6	6.8	4.4-7.7	17
Alkalinity (mg/L)	13.7	10	10-32.5	16
Turbidity (NTU)	4.6	2.4	0-15.5	15
Total N (mg/L)	0.35	0.39	0.16-0.45	4
NO ₃ -N (mg/L)	0.03	0.01	0.008-0.14	14
Total P (mg/L)	0.012	0.01	0.005-0.022	15