



## FAMILY ECNOMIDAE

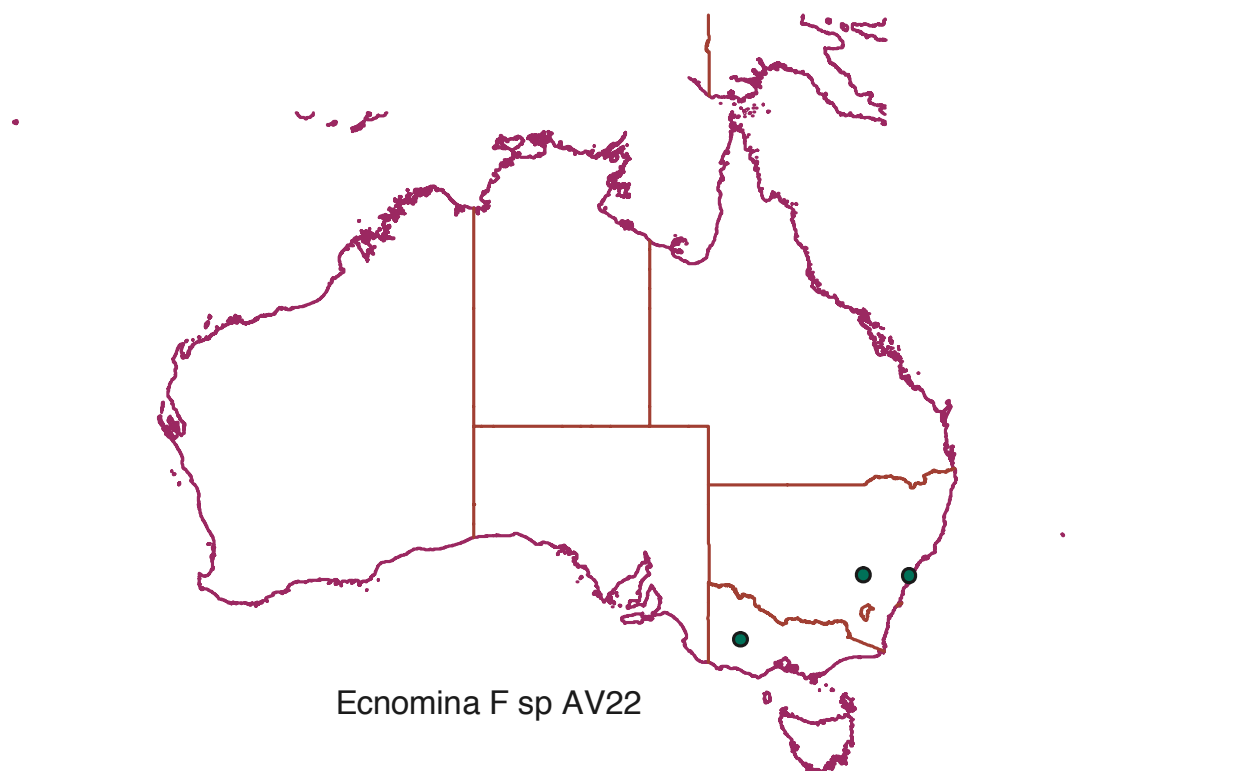
### Habitat profile for *Ecnomina* sp. AV22

*Ecnomina* sp. AV22 was recorded from only 3 Victorian and New South Wales localities in this study.

*Ecnomina* sp. AV22 was recorded from edge and sweep habitat samples from low to moderate altitude streams between 10-400 m, 0.6-103 km from the source, with predominantly boulders and cobble substrate with 20% detritus cover, with small stream width of between 1-8 m, water depth of 0.3-0.4 m, low to moderate alkalinity 10-160 mg/L and moderate conductivity between 102-750  $\mu$ S/cm.

The following can be stated about the other parameters listed in the Table: moderate recorded water temperatures of 14.5-20°C, wide pH range 5.2-8.4 and low turbidity of <24 NTU.

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



Distribution of *Ecnomina* sp AV22 in Australia.



*Ecnomina* sp AV22, nymph



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* sp. AV22 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	192	165	10-400	3
Distance from source (km)	60	77	0.6-103	3
Stream width (m)	5	6	1-8	3
Stream depth (m)	0.36	0.38	0.3-0.4	3
Water temperature (°C)	17.2	17.0	14.5-20.1	3
Conductivity (µS/cm)	509	675	102-750	3
pH	7.2	7.9	5.2-8.4	3
Alkalinity (mg/L)	71	44	10-160	3
Turbidity (NTU)	10.6	7.7	0-24	3
Total N (mg/L)	0.27	0.27	0-0.54	3
NO <sub>3</sub> -N (mg/L)	0.014	0.01	0.003-0.03	3
Total P (mg/L)	0.021	0.012	0.01-0.04	3