



FAMILY ECNOMIDAE

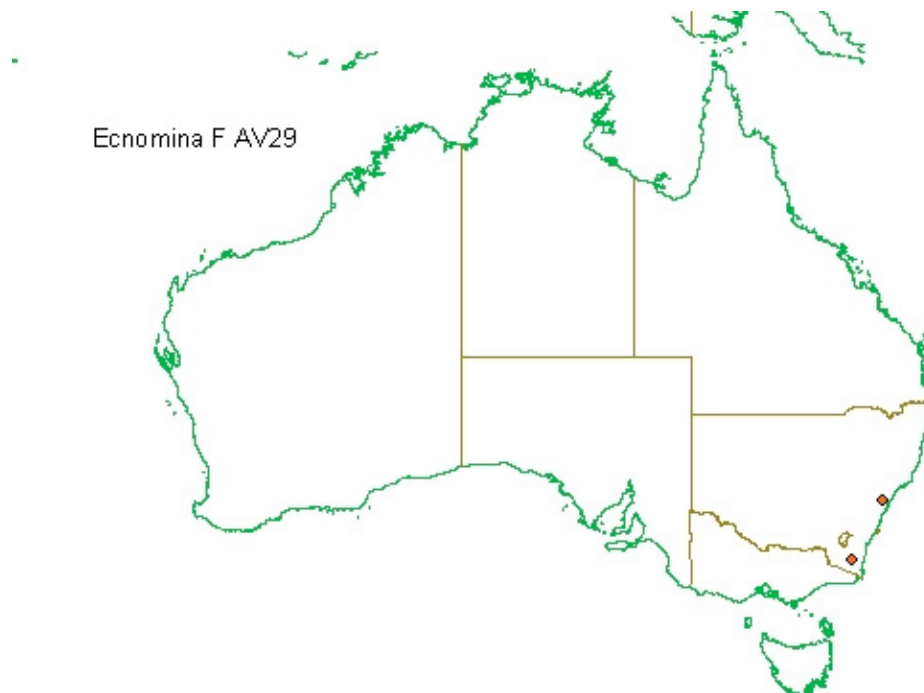
Habitat profile for *Ecnomina* sp. 29

Ecnomina sp. 29 was recorded from only 3 New South Wales localities in this study.

Ecnomina sp. 29 was recorded in edge habitat samples from low to moderate altitude streams between 30-980 m (Chart a), close to the source, between 2.5-3.5 km (Chart b), with predominantly bedrock and sand substrate with a high (25-40%) detritus cover (Chart c). The streams were small between 2-3 m wide (Chart d), depth between 0.25-0.4 m (Chart e), with low alkalinity of 10-30 mg/L (Chart f) and low to moderate conductivity of 55-332 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures of 11.7-14.7°C, mainly acidic pH in the range 4.4-7.3, and low turbidity (2.2-20 NTU).

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



Distribution of *Ecnomina* sp AV29 in Australia.



Ecnomina sp AV29, head

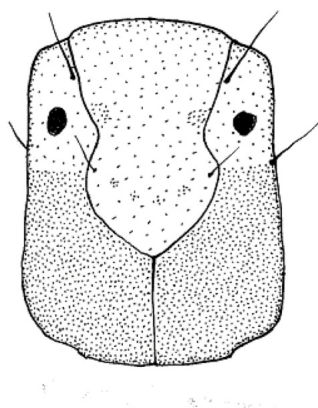


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* sp. 29 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	347	30	30-980	3
Distance from source (km)	3.2	3.5	2.5-3.5	3
Stream width (m)	2.5	2.5	2-3	2
Stream depth (m)	0.32	0.30	0.25-0.4	3
Water temperature (°C)	13.2	13.2	11.7-14.7	2
Conductivity (µS/cm)	193.5	193.5	55-332	2
pH	5.9	5.9	4.4-7.3	2
Alkalinity (mg/L)	20.0	20.0	10-30	2
Turbidity (NTU)	11.1	11.1	2.2-20	2
Total N (mg/L)				
NO ₃ -N (mg/L)	0.01	0.01	0.01	1
Total P (mg/L)	0.01	0.01	0.01	1