



FAMILY ECNOMIDAE

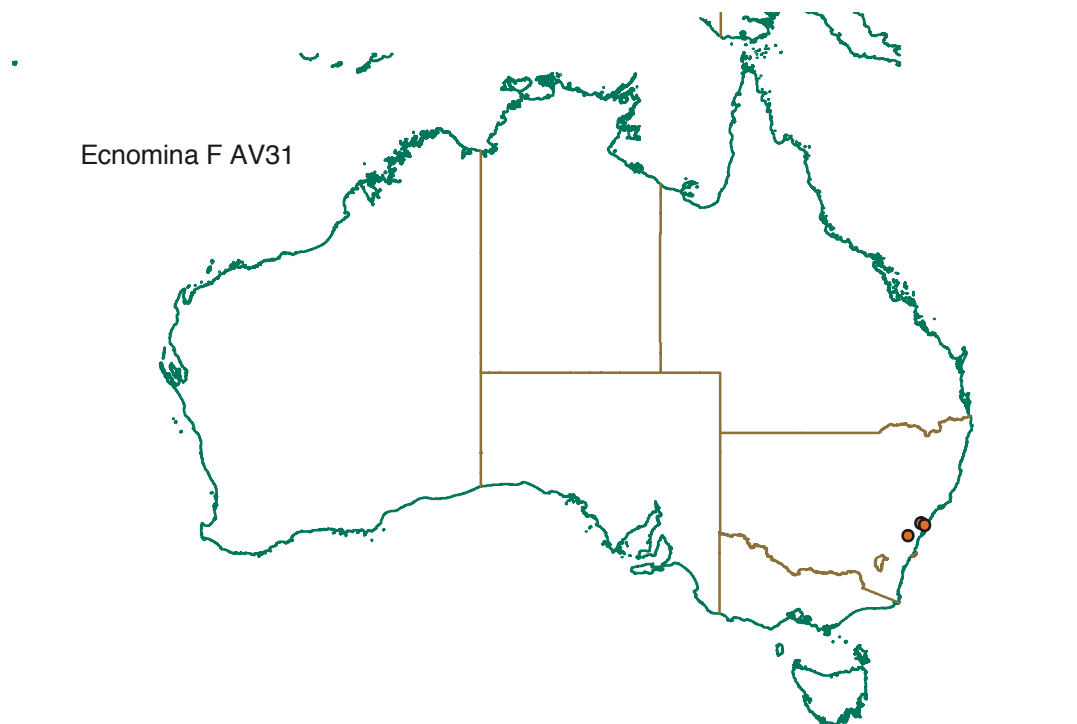
Habitat profile for *Ecnomina* Genus F sp. 31

Ecnomina F sp. 31 was recorded from only 3 New South Wales localities in this study.

Ecnomina F sp. 31 was recorded in edge habitat samples from relatively low altitude streams between 10-140 m (Chart a), a small distance from the source at between 0.6-6.8 km (Chart b), with predominantly bedrock and boulders substrate with high (20-80%) detritus cover (Chart c). The streams were between 0.8-3 m wide (Chart d), depth between 0.15-0.6 m (Chart e), with low alkalinity of 10 mg/L (Chart f) and low conductivity of 92-233 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures of 14.6-21°C, acidic pH in the range 4.5-6.7, and very low turbidity (3-6 NTU).

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



Distribution of *Ecnomina* sp AV31 in Australia.



Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* F sp. 31 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	60	30	10-140	3
Distance from source (km)	3.6	3.5	0.6-6.8	3
Stream width (m)	1.6	1	0.8-3	3
Stream depth (m)	0.38	0.38	0.15-0.6	2
Water temperature (°C)	17.5	16.8	14.6-21	3
Conductivity (µS/cm)	163	164	92-233	3
pH	5.3	4.8	4.5-6.7	3
Alkalinity (mg/L)	10.0	10.0	10	3
Turbidity (NTU)	4.6	4.9	3-6	3
Total N (mg/L)				
NO ₃ -N (mg/L)	0.01	0.01	0.01	3
Total P (mg/L)	0.01	0.01	0.01	3