



Family Ecnomidae

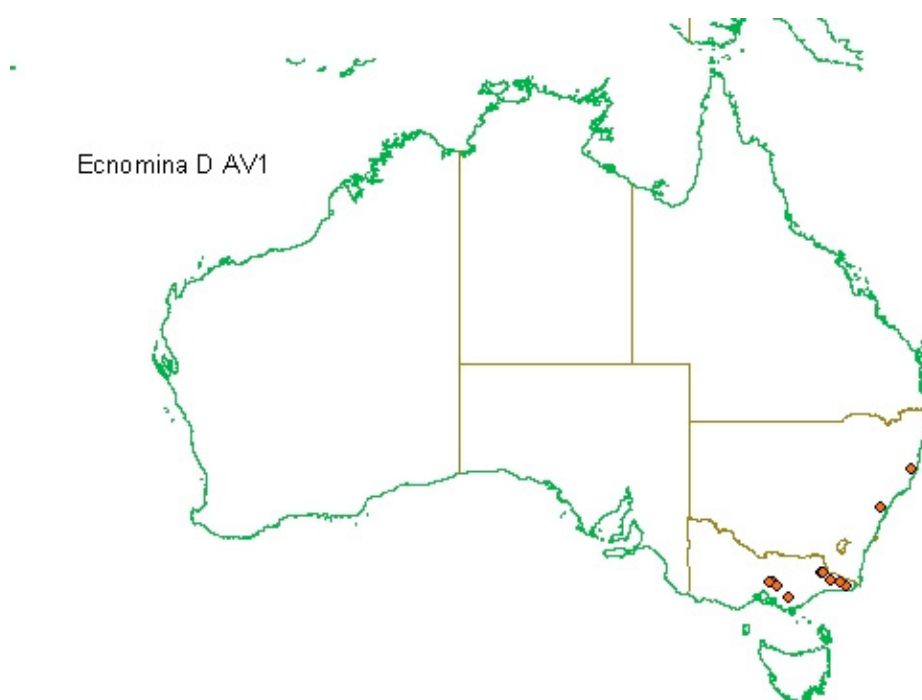
Habitat Profile for *Ecnomina D sp AV1*

Ecnomina D sp AV1 was recorded from 11 sites in Victoria and New South Wales. Only two locations were in New South Wales, in the Hawkesbury and Hastings catchments.

The streams were in the lowlands to foothills below 1000m (Chart a), and ranged from 3 to 105 km from their sources (Chart b). *Ecnomina D sp AV1* larvae were found on rocks in fast flowing riffles in shallow waters usually less than 10cm depth (Chart d). The substrate of the streams was dominated by cobbles with sand as subdominant (Chart c) and approximately 5% detrital cover. pH was near neutral and turbidity, alkalinity (Chart e) and conductivity (Chart f) were all low.

The following generalities can be made about the other parameters listed in the Table: relatively low temperature (10-19.5 °C), pH was in the range of 6.5-8.1 and low turbidity (<33 NTU).

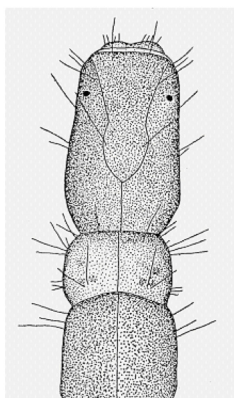
Mean, median and range for selected physical and chemical parameters and habitat categories are given in the Table.



Distribution of *Ecnomina D sp AV1* in Australia.

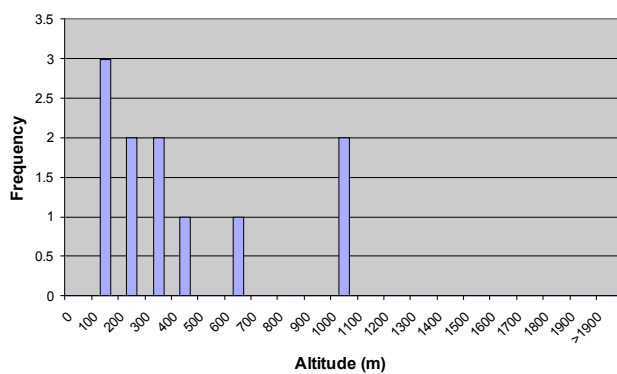


Ecnomina D sp AV1, head of larva, typical habitat

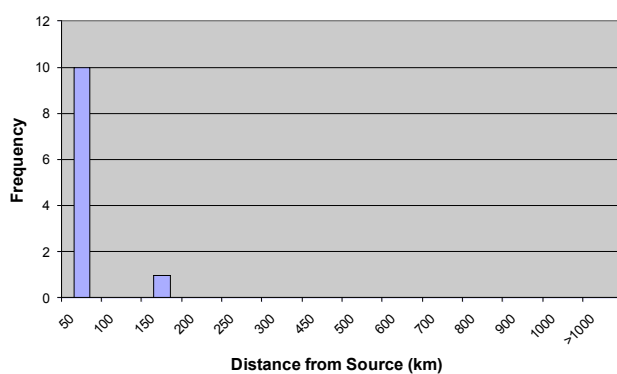


Charts for *Ecnomina* D sp AV1

a) Altitude

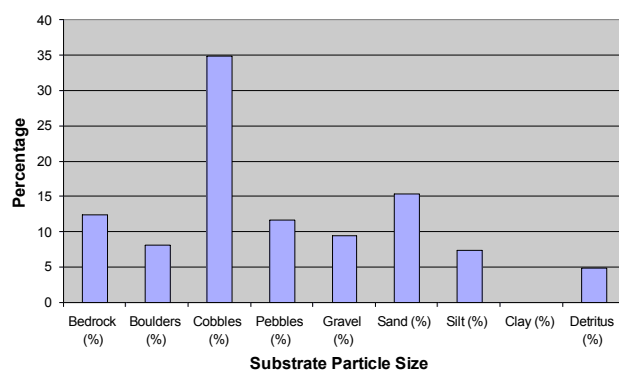


b) Distance from source

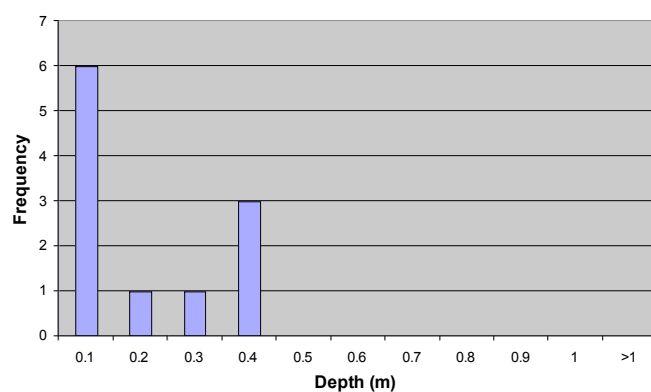




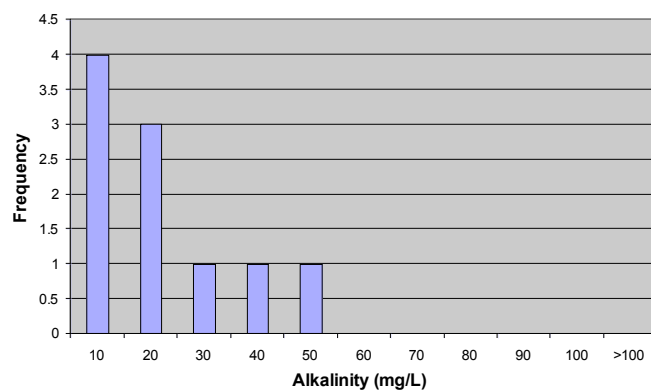
c) Substrate Particle Size



d) Depth



e) Alkalinity



f) Conductivity

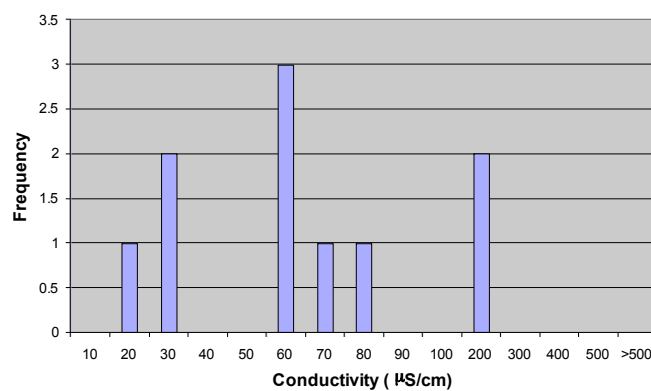




Table. Mean and median physical and chemical parameters for *Ecnomina* D sp AV1.

	Mean	Median	Range	N
Altitude (m)	338	220	5-980	11
Distance from source (km)	25.8	19	3.5-105.6	11
Width (m)				
Depth (m)	0.2	0.1	0.05-0.4	11
Water Temperature (°C)	14.8	15.1	10-19.5	10
Conductivity (µS/cm)	67.4	56.7	15-190	10
pH	7.2	7.1	6.5-8.1	10
Turbidity (NTU)	8.3	4.1	0.65-33	10
NO ₃ -N (mg/L)	0.198	0.205	0.003-0.440	11
Total N (mg/L)				
Total P (mg/L)	0.023	0.020	0.005-0.254	11
Alkalinity (mg/L)	19.6	16.5	4.8-50	10