



FAMILY POLYCENTROPODIDAE

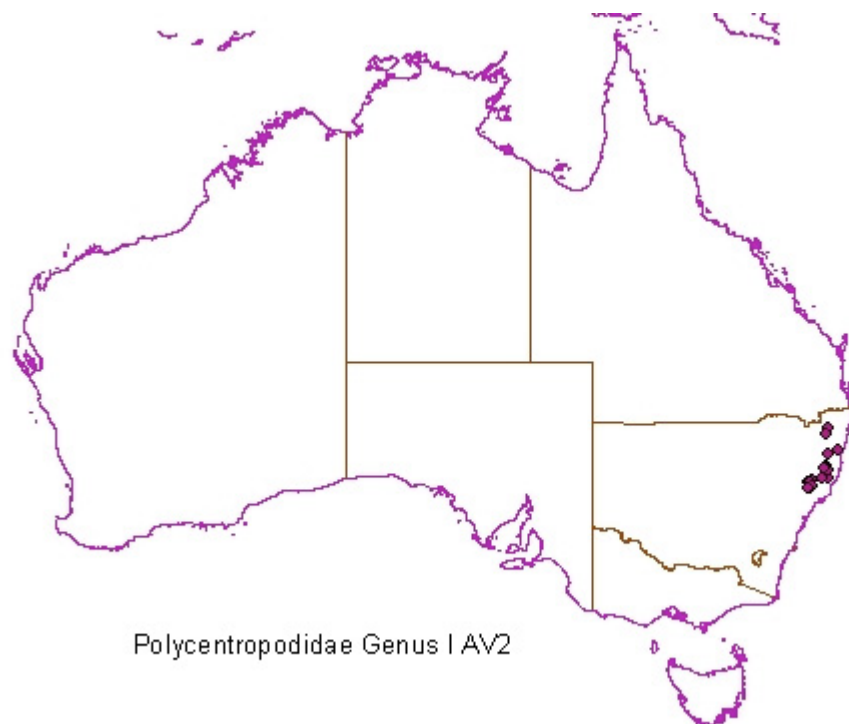
Habitat profile for Polycentropodidae Genus I sp. AV2

Polycentropodidae Genus I sp. AV2 was recorded from 31 New South Wales localities in this study. This species has previously been recorded from south-eastern Queensland (Cartwright 1998).

Genus I sp. AV2 was recorded in pool and edge habitat samples from middle to high altitude streams mainly between 130-1200 m (Chart a), 2.8-23 km from the source (Chart b), with predominantly bedrock, decreasing to boulders, cobble pebbles and sand substrates with <25% detritus cover (Chart c). The streams were small between 3-8 m wide (Chart d), and usually between 0.15-0.6 m deep (Chart e), with low alkalinity between 10-12 mg/L (Chart f) and low conductivity <56 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: relatively moderate recorded water temperatures (between 12.5-18.8 °C), pH circum-neutral (range 6.6-7.8), and very low turbidity (<11 NTU).

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

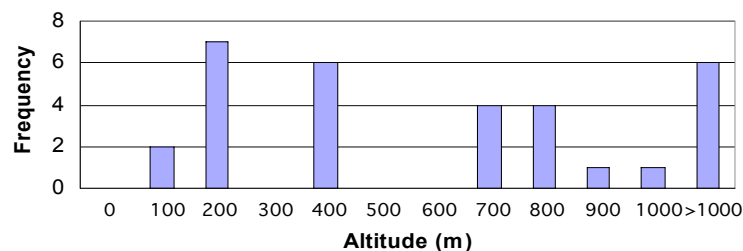


Distribution of Polycentropodidae Genus I sp AV2 in Australia.

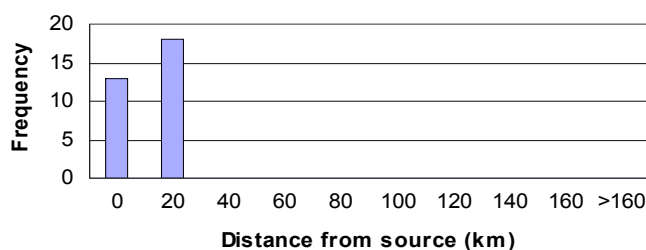


Charts for Polycentropodidae Genus I sp AV2

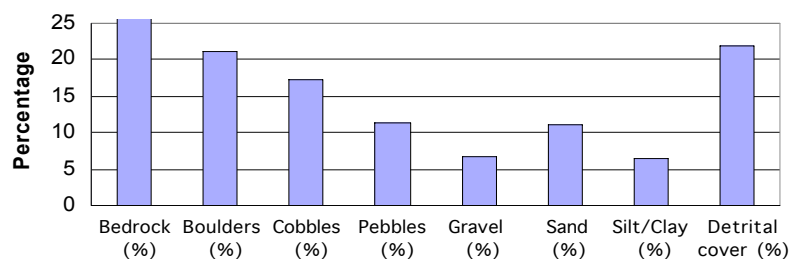
a) Altitude



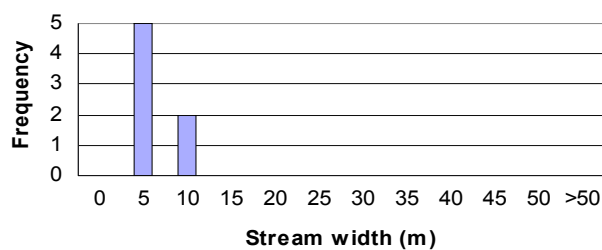
b) Distance from source



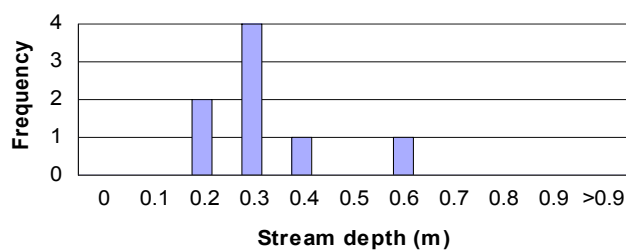
c) Substrate Particle Size



d) Stream Width

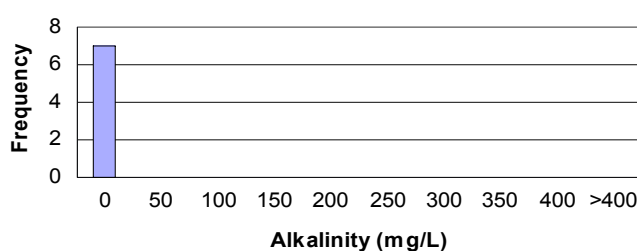


e) Depth





f) Alkalinity



g) Conductivity

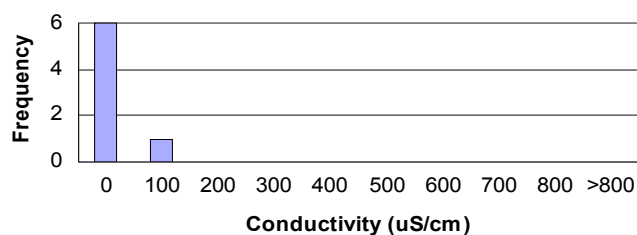


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for Genus I sp. AV2 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	598	690	130-1200	31
Distance from source (km)	12.2	11.9	0.3-30	31
Stream width (m)	5.7	6	3-8	7
Stream depth (m)	0.3	0.25	0.15-0.6	8
Water temperature (°C)	14.3	13.9	12.5-18.8	7
Conductivity (µS/cm)	26.7	28	1-55	7
pH	7.1	7.1	6.6-7.5	7
Alkalinity (mg/L)	10.4	10	10-12	7
Turbidity (NTU)	3.0	2.3	0-10	7
Total N (mg/L)				
NO ₃ -N (mg/L)	0.019	0.01	0.01-0.04	7
Total P (mg/L)	0.011	0.01	0.01-0.015	7

References

Cartwright DI (1998) 'Preliminary guide to the identification of late instar larvae of Australian Polycentropodidae, Glossosomatidae, Dipseudopsidae and Psychomyiidae (Insecta: Trichoptera).' (Cooperative Research Centre for Freshwater Ecology: Albury)