



FAMILY POLYCENTROPODIDAE

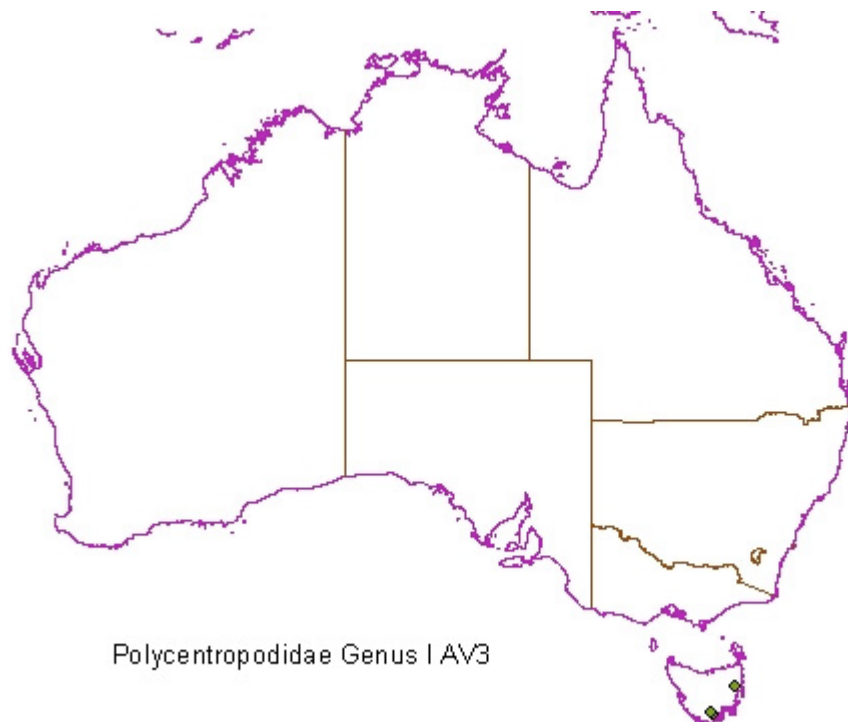
Habitat profile for Polycentropodidae Genus I sp. AV3

Polycentropodidae Genus I sp. AV3 was recorded from only 3 Tasmanian localities in this study.

Genus I sp. AV3 was recorded in riffle habitat samples from streams between 110-320 m altitude (Chart a), a small distance from the source at between 6.2-10.5 km (Chart b), with predominant substrate of cobbles, pebbles and boulders. The stream width was between 4.7-6.7 m (Chart c), depth was relatively shallow between 0.08-0.2 m (Chart d), with low alkalinity of 8-22 mg/L (Chart e) and low conductivity of 64-91 $\mu\text{S}/\text{cm}$ (Chart f).

The following generalities can be made about the other parameters listed in the Table: relatively cool recorded water temperatures of 6.5-9 °C, circum-neutral pH in the range 6.5-7.5, and very low turbidity (0.4-2.6 NTU).

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

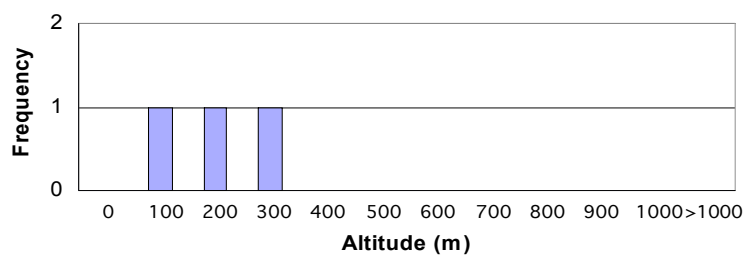


Distribution of Polycentropodidae Genus I sp AV3 in Australia.

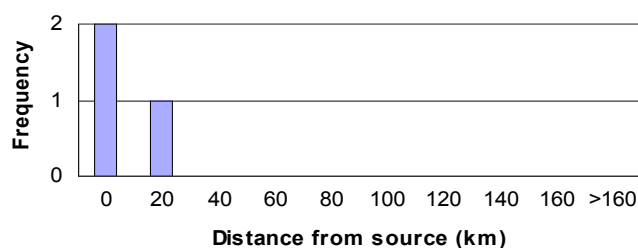


Charts for Polycentropodidae Genus I sp AV3

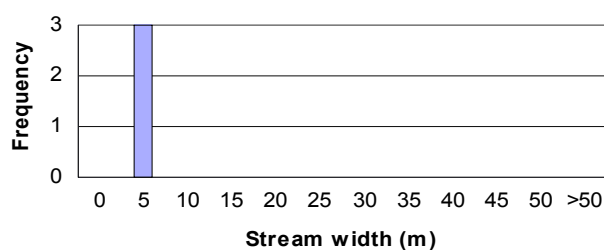
a) Altitude



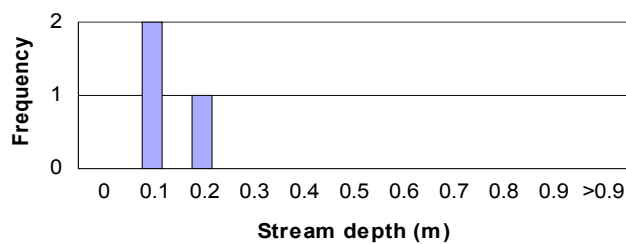
b) Distance from source



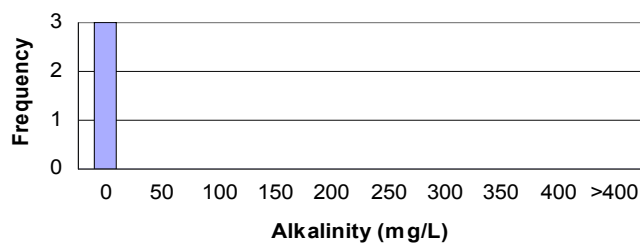
c) Stream Width



d) Depth



e) Alkalinity





f) Conductivity

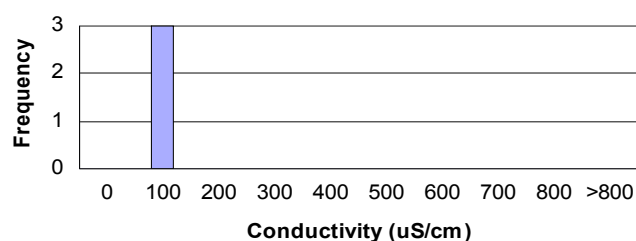


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for Genus I sp. AV3 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	202	175	110-320	3
Distance from source (km)	8.2	8	6.2-10.5	3
Stream width (m)	5.4	5	4.7-6.7	3
Stream depth (m)	0.13	0.10	0.08-0.2	3
Water temperature (°C)	7.7	7.6	6.5-9	3
Conductivity (µS/cm)	78.4	80	64-91	3
pH	7.0	7.0	6.5-7.5	3
Alkalinity (mg/L)	16.0	18.0	8-22	3
Turbidity (NTU)	1.7	2.0	0.4-2.6	3
Total N (mg/L)	0.18	0.16	0.085-0.29	3
NO ₃ -N (mg/L)	0.095	0.03	0.022-0.23	3
Total P (mg/L)	0.003	0.003	0.002-0.003	3
P SR (mg/L)	0.002	0.002	0.002	3