



FAMILY POLYCENTROPODIDAE

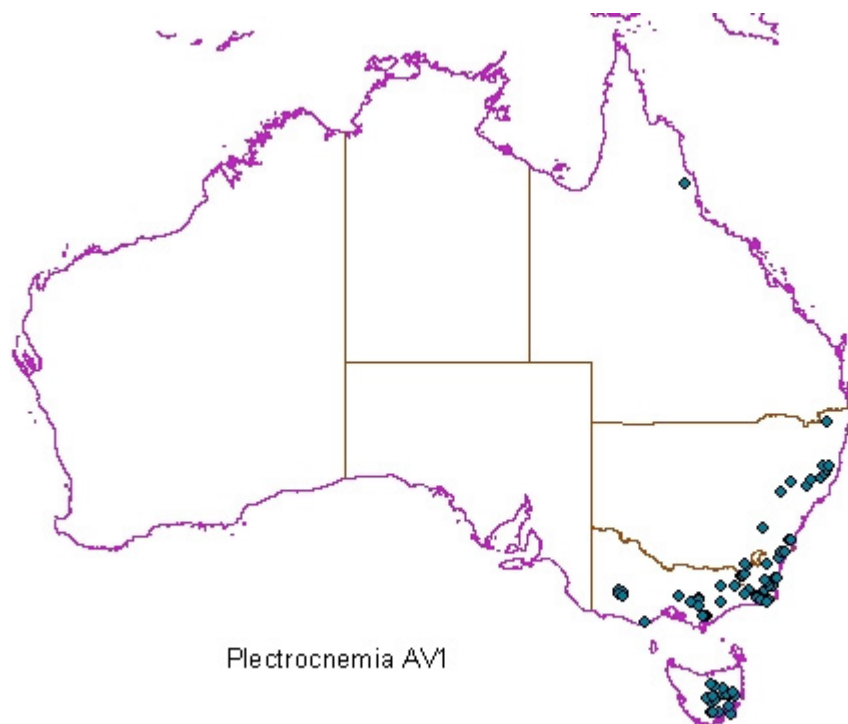
Habitat profile for *Plectrocnemia* sp. AV1

Plectrocnemia sp. AV1 was recorded from 130 Tasmanian, Victorian, New South Wales and Queensland localities in this study.

Plectrocnemia sp. AV1 was generally recorded in pool, edge and sweep habitat samples from low to very high altitude streams between 20-2020 m (Chart a), between 0.9-87.5 km from the source (Chart b), predominantly cobble substrate with a fairly even spread of boulders, bedrock and pebbles with low (10%) detritus cover (Chart c). The streams were between 1-23 m wide (Chart d) and usually between 0.05-0.5 m deep (Chart e), with low to moderate alkalinity between 3-201 mg/L (Chart f) and low conductivity mostly <200 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: very cold to moderate recorded water temperatures (mostly between 3.6-20 °C), pH circum-neutral (range 5-8.1), and low turbidity (<25 NTU).

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



Plectrocnemia AV1

Distribution of *Plectrocnemia* sp AV1 in Australia.

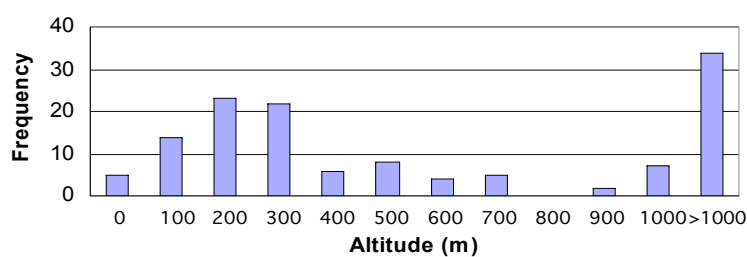


Plectrocnemia sp AV1, nymph and typical habitat

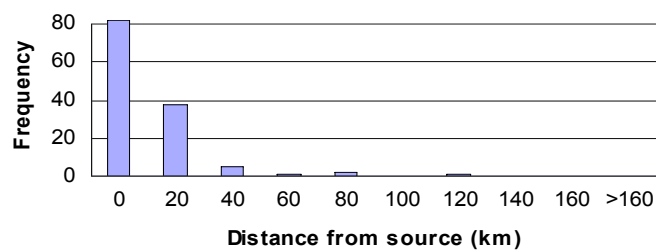


Charts for *Plectrocnemia* sp AV1

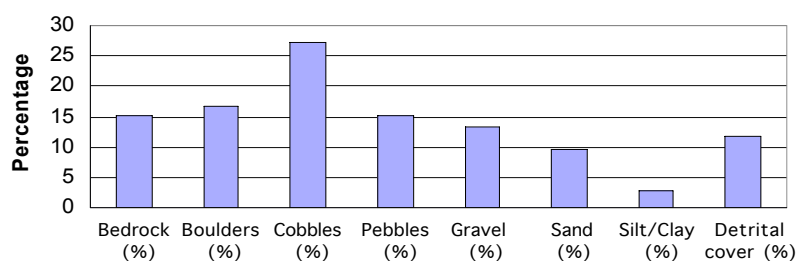
a) Altitude



b) Distance from source

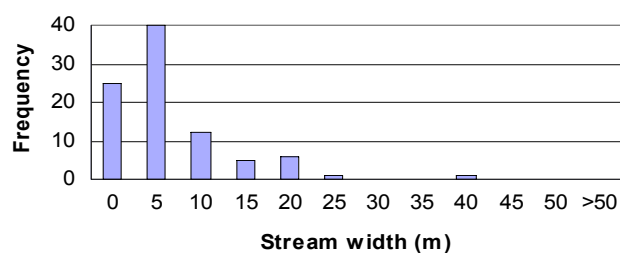


c) Substrate Particle Size

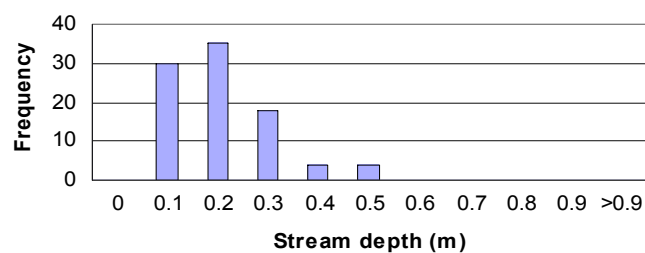




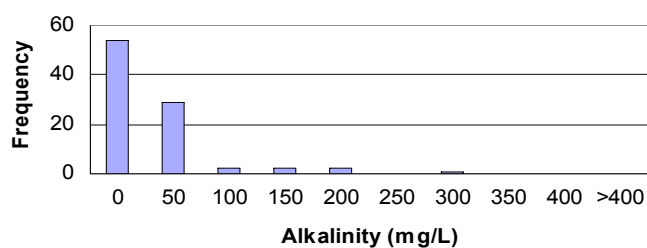
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

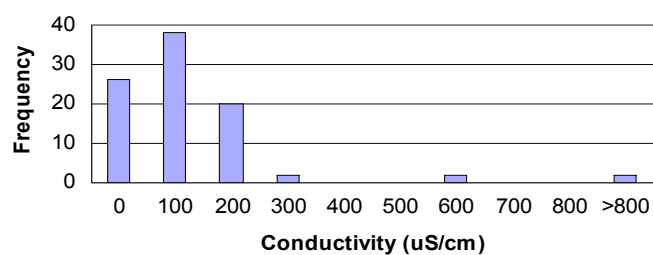




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Plectrocnemia* sp. AV1 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	702	350	20-2020	130
Distance from source (km)	12.3	7.2	0.2-125	129
Stream width (m)	6.4	4	0.8-40	90
Stream depth (m)	0.20	0.20	0.05-0.5	91
Water temperature (°C)	13.1	13.0	1.7-22	90
Conductivity (µS/cm)	127	80	0-1134	90
pH	7.0	7.1	4.4-8.5	90
Alkalinity (mg/L)	32	17.5	3-300	90
Turbidity (NTU)	4.7	2.5	0-39	88
Total N (mg/L)	0.40	0.33	0.10-1.16	19
NO ₃ -N (mg/L)	0.048	0.016	0.002-0.61	82
Total P (mg/L)	0.022	0.01	0.002-0.14	85
P SR (mg/L)	0.003	0.002	0.002-0.016	16