



## FAMILY POLYCENTROPODIDAE

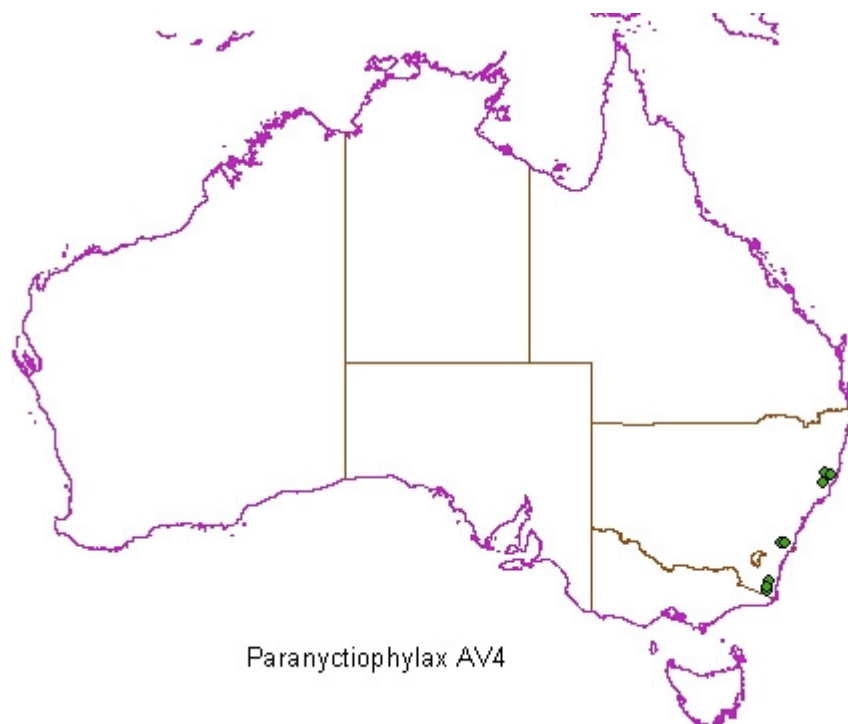
### Habitat profile for *Paranyctiophylax* sp. AV4

*Paranyctiophylax* sp. AV4 was recorded from 16 New South Wales localities in this study. This species was previously recorded from Victoria and Queensland (Cartwright 1998).

*Paranyctiophylax* sp. AV4 was generally recorded in pool and edge habitat samples from relatively low altitude streams between 0-280 m (Chart a), 8-246 km from the source (Chart b), with predominantly cobbles and a fairly even spread of boulders, gravel and sand substrates with moderate (20%) detritus cover (Chart c). The streams were small to large between 4-40 m wide (Chart d), and between 0.1-0.4 m deep (Chart e), with low to moderate alkalinity between 10-50 mg/L (Chart f) and low conductivity between 63-91  $\mu\text{S}/\text{cm}$  (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures (between 13.7-22.1 °C), pH mostly slightly alkaline (range 6.7-8), and very low turbidity (<11.5 NTU).

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



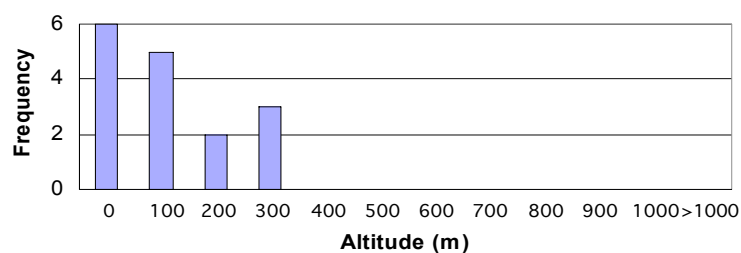
Paranyctiophylax AV4

Distribution of *Paranyctiophylax* sp AV4 in Australia.

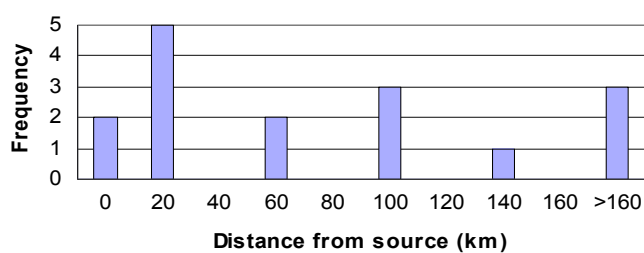


## Charts for *Paranyctiophylax* sp AV4

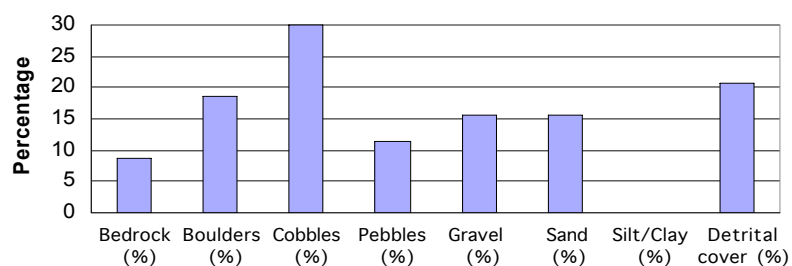
### a) Altitude



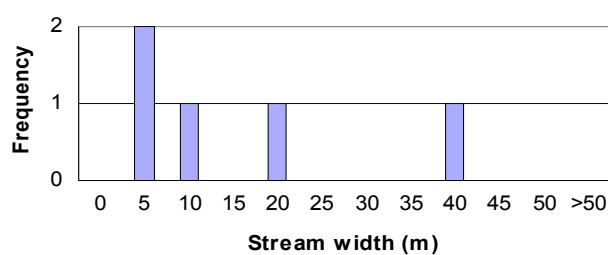
### b) Distance from source



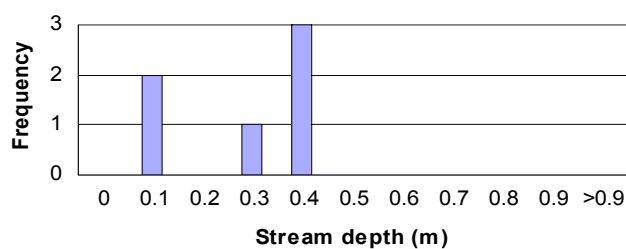
### c) Substrate Particle Size



### d) Stream Width

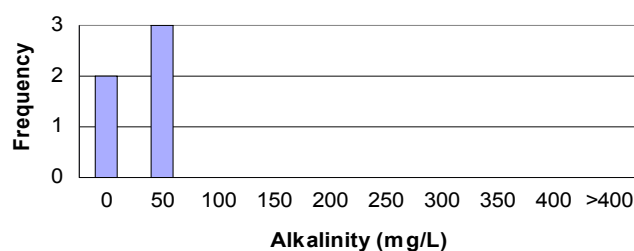


### e) Depth

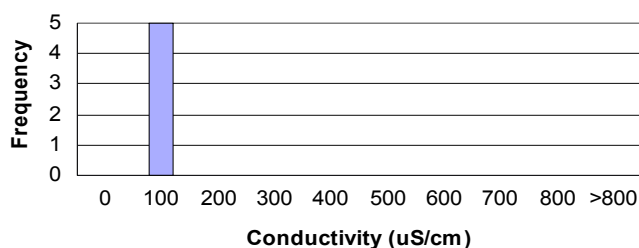




f) Alkalinity



g) Conductivity



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Paranyctiophylax* sp. AV4 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	99	55	0-280	16
Distance from source (km)	86	50.5	8-246	16
Stream width (m)	15.8	10	4-40	5
Stream depth (m)	0.27	0.3	0.1-0.4	6
Water temperature (°C)	17.2	14.6	13.7-22.1	5
Conductivity (µS/cm)	77	76	63-91	5
pH	7.3	7.5	6.7-8	5
Alkalinity (mg/L)	26	25	10-50	5
Turbidity (NTU)	3.8	3.2	0.5-11.3	5
Total N (mg/L)	0.35	0.35	0.35	1
NO <sub>3</sub> -N (mg/L)	0.037	0.04	0.02-0.05	3
Total P (mg/L)	0.015	0.016	0.01-0.019	3

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)