



## FAMILY POLYCENTROPODIDAE

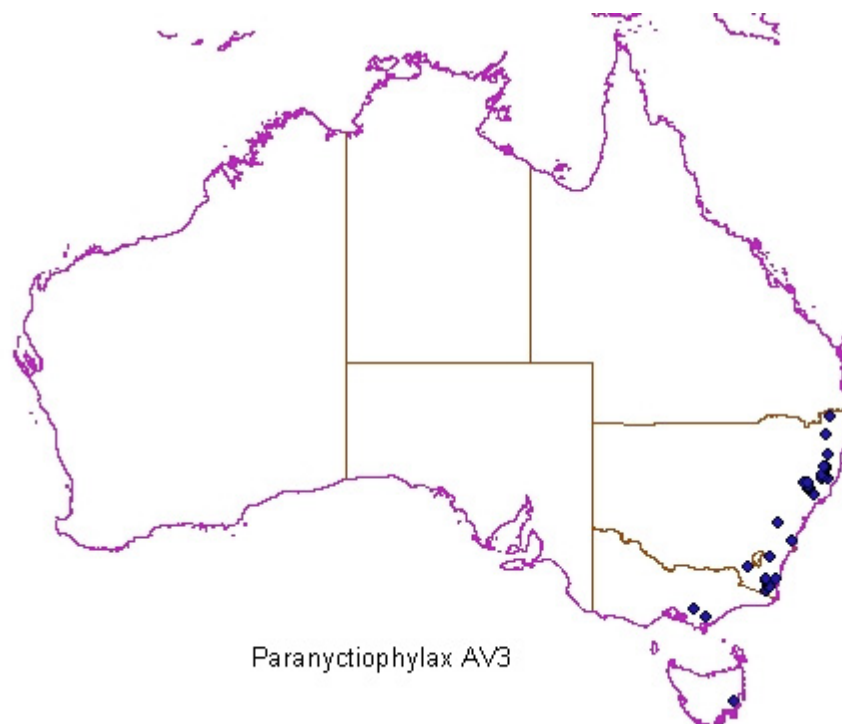
### Habitat profile for *Paranyctiophylax* sp. AV3

*Paranyctiophylax* sp. AV3 was recorded from 55 New South Wales, Victorian and Tasmanian localities in this study. This species previously was also recorded from Queensland (Cartwright 1998).

*Paranyctiophylax* sp. AV3 was generally recorded in pool and edge habitat samples from relatively moderate to high altitude streams between 100-1400 m (Chart a), 0.3-23 km from the source (Chart b), with predominantly bedrock, boulders, cobbles and sand substrates with <25% detritus cover (Chart c). The streams were small, between 1.5-7 m wide (Chart d), between 0.2-0.4 m deep (Chart e), with low to moderate alkalinity between 10-60 mg/L (Chart f) and low to moderate conductivity between 0-216  $\mu$ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures (between 8.2-18 °C), pH mostly slightly alkaline (range 5.7-7.8), and low turbidity (<24 NTU).

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

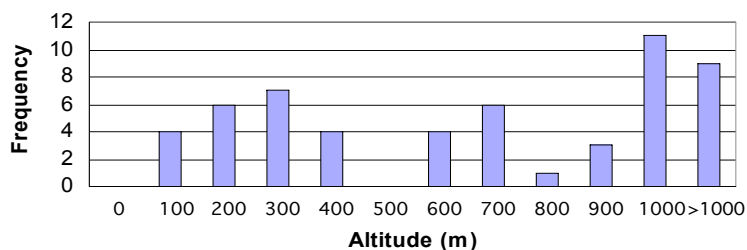


Distribution of *Paranyctiophylax* sp AV3 in Australia.

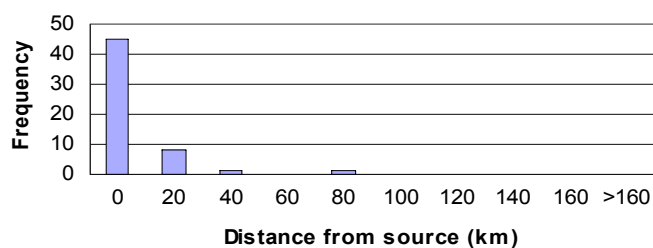


## Charts for *Paranyctiophylax* sp AV3

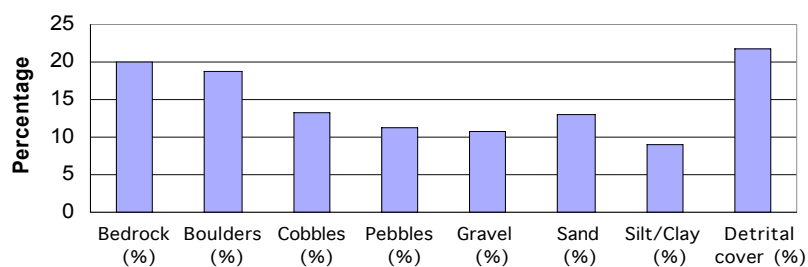
### a) Altitude



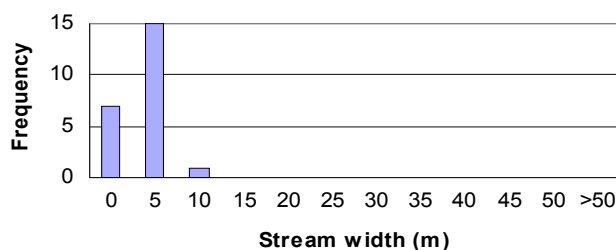
### b) Distance from source



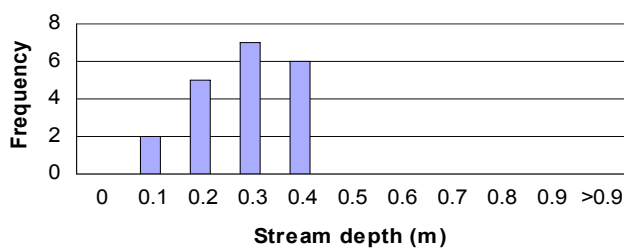
### c) Substrate Particle Size



### d) Stream Width

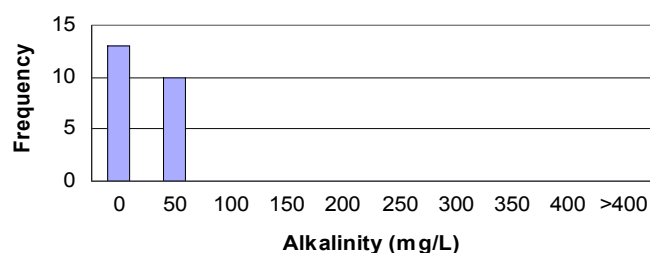


### e) Depth

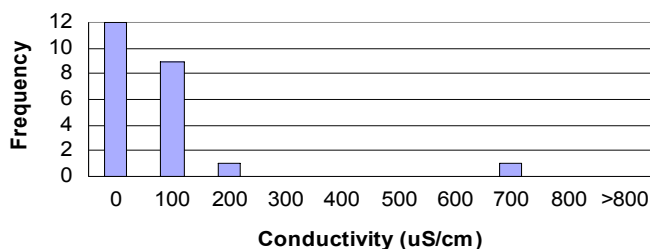




f) Alkalinity



g) Conductivity



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

	Mean	Median	Range	N
Altitude (m)	685	710	100-1400	55
Distance from source (km)	7.8	5.4	0.3-70	55
Stream width (m)	3.8	3	1.5-12	23
Stream depth (m)	0.27	0.28	0.05-0.4	20
Water temperature (°C)	12.7	12.4	8.2-17.9	23
Conductivity (uS/cm)	83	46	0-660	23
pH	7.2	7.4	5.7-8.3	22
Alkalinity (mg/L)	24	13.5	10-60	23
Turbidity (NTU)	5.7	2.5	0-23	23
Total N (mg/L)	0.44	0.44	0.34-0.54	2
NO <sub>3</sub> -N (mg/L)	0.054	0.02	0.01-0.31	17
Total P (mg/L)	0.017	0.01	0.002-0.068	17
P SR (mg/L)	0.002	0.002	0.002	1

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)