



## Family Baetidae

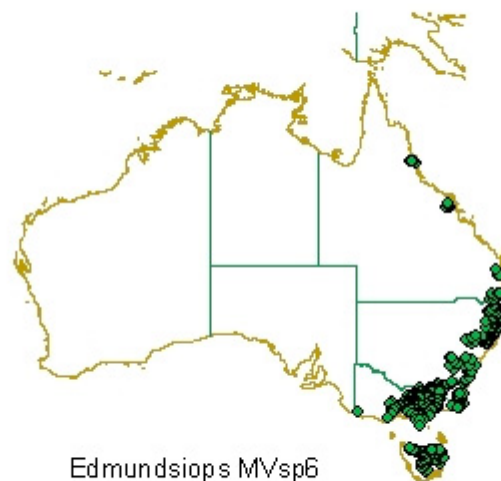
### Habitat Profile for *Edmundsiops* MVsp6

*Edmundsiops* MVsp6 was widespread on the east coast drainage being recorded from 711 samples in Tasmania, Victoria, New South Wales and to northern Queensland. This distribution is consistent with that recorded by Suter (1997) and Suter (2002) although there were many more locations in this study.

*Edmundsiops* MVsp6 was generally recorded in combined, riffle, sweep and edge habitat samples from streams below 600 m altitude (Chart a), < 120 km from the source (Chart b), with predominantly cobbles substrate with <5% detritus cover (Chart c). The streams were between 0.5-95 m wide (Chart d) and less than 1m deep (Chart e), with low to moderate alkalinity between 5-300 mg/L (Chart f) and low to high conductivity generally below 300 $\mu$ S/cm but as high as 5600 $\mu$ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 2.2-26.8 °C, pH circum-neutral, mostly in range of 4.6-8.8, and low turbidity 0.2-36 NTU.

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



Distribution of *Edmundsiops* MVsp6 in Australia.

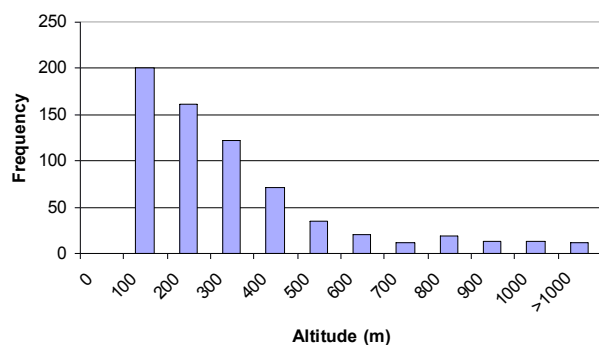


*Edmundsiops* MVsp6, nymph and typical habitat

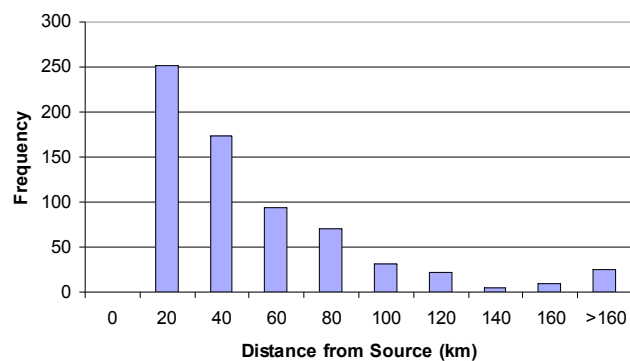


Charts for *Edmundsiops* MVsp6

a) Altitude

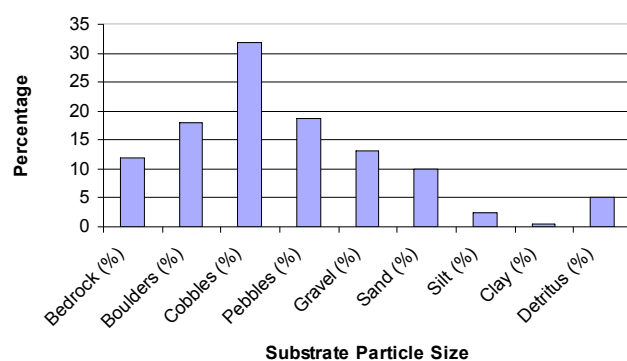


b) Distance from source

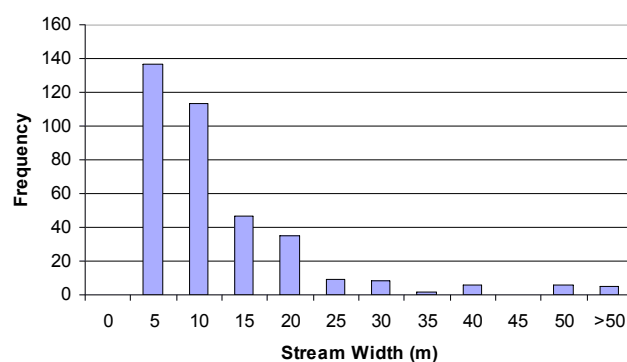




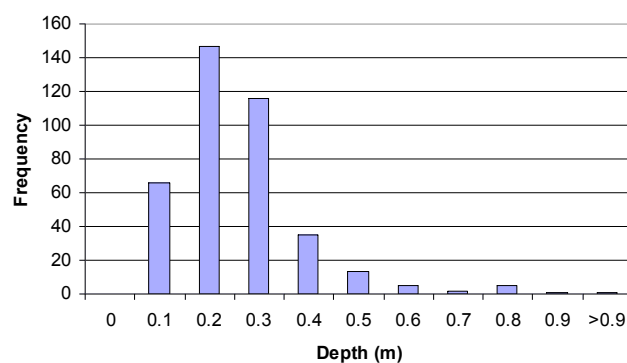
c) Substrate Particle Size



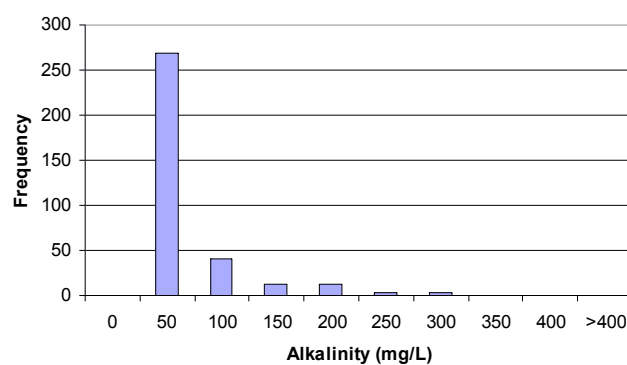
d) Stream Width



e) Depth

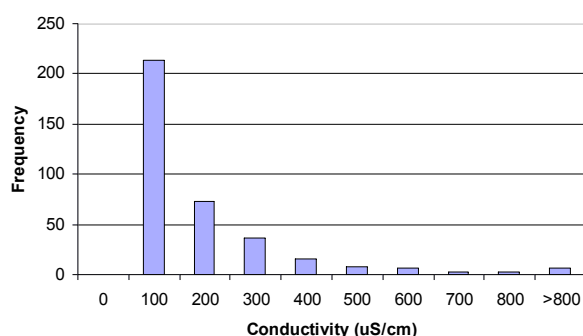


f) Alkalinity





g) Conductivity



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Edmundsiops* MVsp6 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	262	200	5-1700	677
Distance from source (km)	45	29	0.7-533	682
Stream width (m)	11.2	8	0.4-95	368
Stream depth (m)	0.23	0.20	0.03-1.00	391
Water temperature (°C)	16.9	16.9	2.2-26.8	338
Conductivity (µS/cm)	167.6	83.2	1-5600	374
pH	7.5	7.5	4.6-8.8	338
Turbidity (NTU)	4.8	3.0	0.2-35.8	289
NO <sub>3</sub> -N (mg/L)	0.139	0.027	0.003-3.2	289
Total N (mg/L)	0.423	0.380	0.060-1.60	42
Total P (mg/L)	0.032	0.016	0.005-0.680	316
Alkalinity (mg/L)	43.7	30.0	5-300	339

References

Suter PJ (1997) 'Preliminary Guide to the identification of nymphs of Australian Baetid Mayflies (Insecta : Ephemeroptera) found in flowing waters. Identification Guide No. 14.' ( Co-operative Research Centre for Freshwater Ecology: Albury)

Suter PJ, Conrick D, Cockayne B, Choy S (2002) 'Habitat profiles of Queensland mayflies, families Baetidae, Caenidae and Prosopistomatidae.' (Cooperative Research Centre for Freshwater Ecology: Albury)