



Family Baetidae

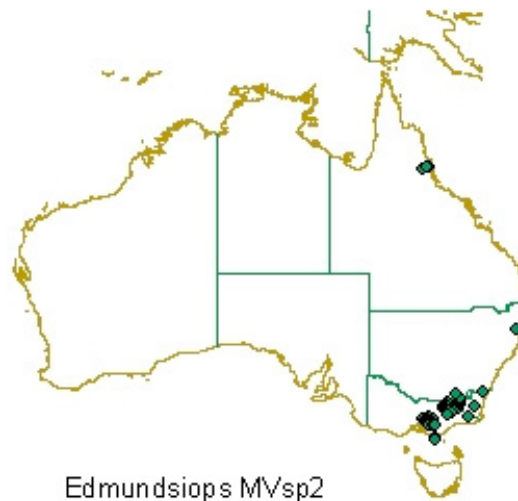
Habitat Profile for *Edmundsiops* MV sp2

Edmundsiops MVsp2 was widespread on the east coast drainage being recorded from 118 samples in Victoria, New South Wales and to northern Queensland. This distribution is consistent with that recorded by Suter (1997) and Suter *et al.* (2002) although there were many more locations in this study.

Edmundsiops MVsp2 was generally recorded in sweep and kick habitat samples from streams generally below 600 m altitude (Chart a), < 40 km from the source (Chart b), with predominantly cobbles, boulders on sand substrate with <5% detritus cover (Chart c). The streams were between 0.4-30 m wide (Chart d) and less than 0.6m deep (Chart e), with low alkalinity between 4-40 mg/L (Chart f) and low conductivity generally below 100 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 4.6-24.3 °C, pH circum-neutral, mostly in range of 5.6-8.1, and low turbidity 0.4-49 NTU.

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



Edmundsiops MVsp2

Distribution of *Edmundsiops* MVsp2 in Australia

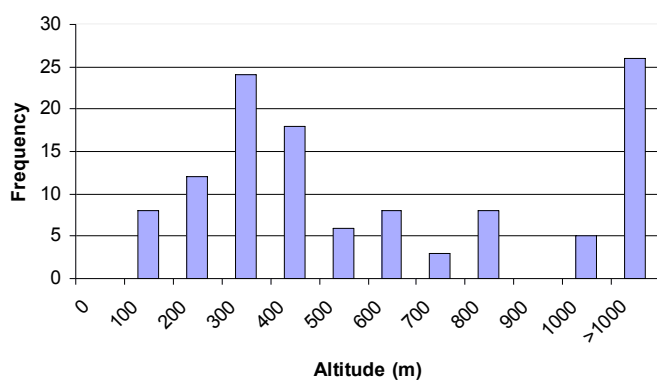


Edmundsiops MVsp2, nymphal colour pattern and typical habitat

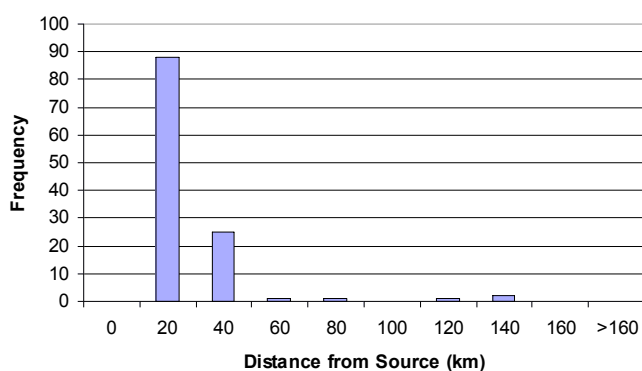


Charts for *Edmundsiops* MVsp2

a) Altitude

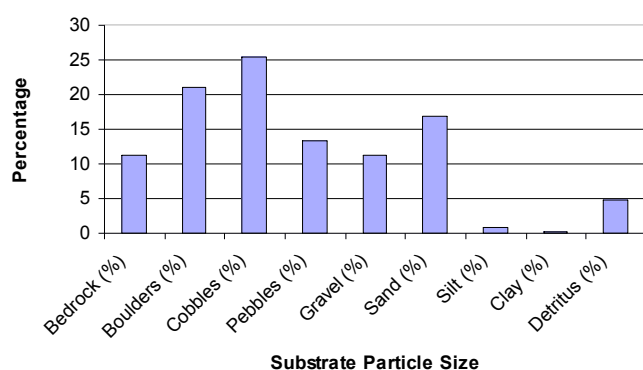


b) Distance from source

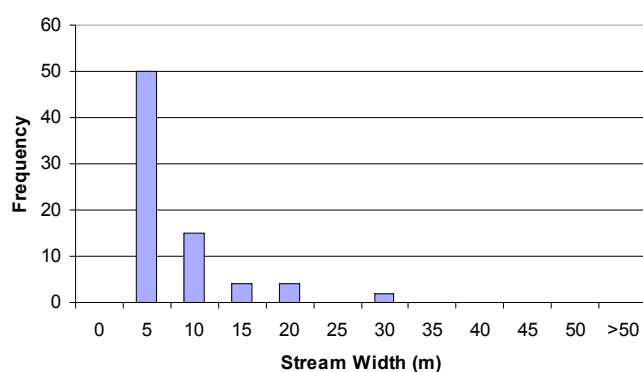




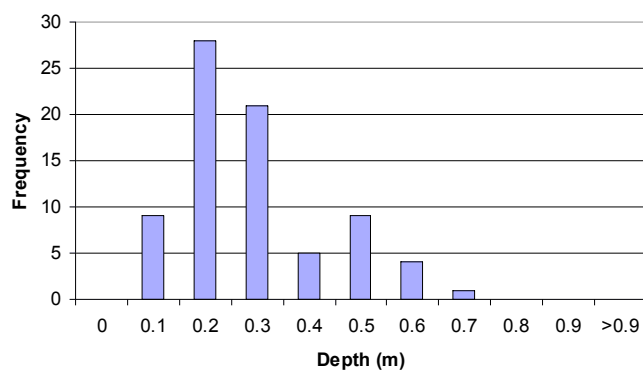
c) Substrate Particle Size



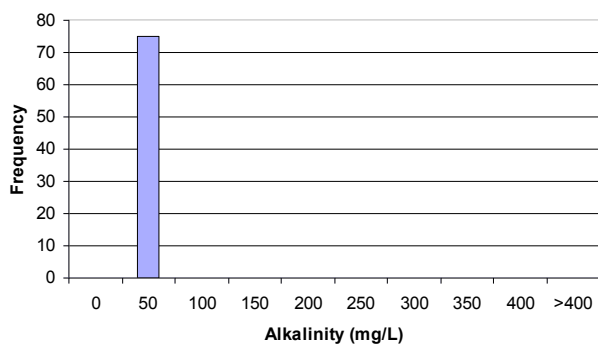
d) Stream Width



e) Depth



f) Alkalinity





g) Conductivity

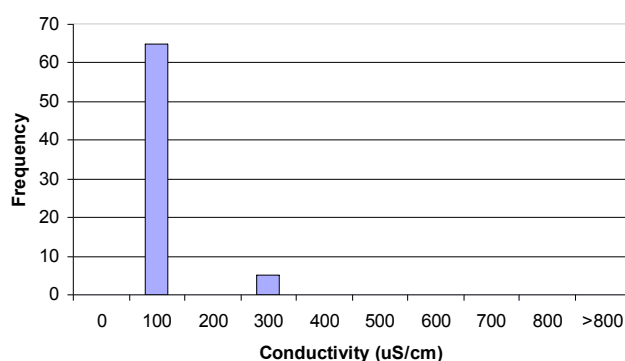


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Edmundsiops* MVsp2 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	604	380	20-1840	118
Distance from source (km)	16.3	11.5	0.73-134	118
Stream width (m)	6.2	4	0.4-30	75
Stream Depth (m)	0.25	0.22	0.05-0.62	77
Water temperature (°C)	12.3	12.0	4.6-24.3	75
Conductivity (µS/cm)	59.4	35.0	1-290	70
pH	7.1	7.3	5.6-8.1	75
Turbidity (NTU)	4.3	2.3	0.4-49	68
NO ₃ -N (mg/L)	0.126	0.045	0.003-0.73	68
Total N (mg/L)				
Total P (mg/L)	0.023	0.014	0.005-0.130	69
Alkalinity (mg/L)	11.6	10.0	4-40	75

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)