



## Family Baetidae

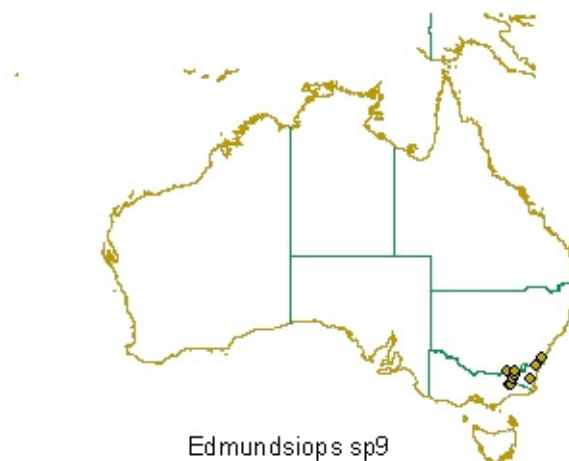
### Habitat Profile for *Edmundsiops* MV sp9

*Edmundsiops* MVsp9 was only recorded from 11 samples from 9 locations in south-eastern New South Wales and north-eastern Victoria. This is an extension of range as Suter (1997) recorded this species at only a single location in Victoria.

*Edmundsiops* MVsp9 was generally recorded in edge and pool rock habitat samples from streams at high altitudes up to 1680 m above sea level (Chart a), < 60 km from the source (Chart b), with predominantly cobbles, pebbles and gravel substrate with <10% detritus cover (Chart c). The streams were between 1-20 m wide (Chart d) and less than 0.3m deep (Chart e), with low alkalinity between 10-85 mg/L (Chart f) and low conductivity below 121 $\mu$ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 11.8-20.4 °C, pH neutral, in the range 6.7-7.64, and low turbidity 1.1-35.8 NTU.

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



Distribution of *Edmundsiops* sp 9 in Australia

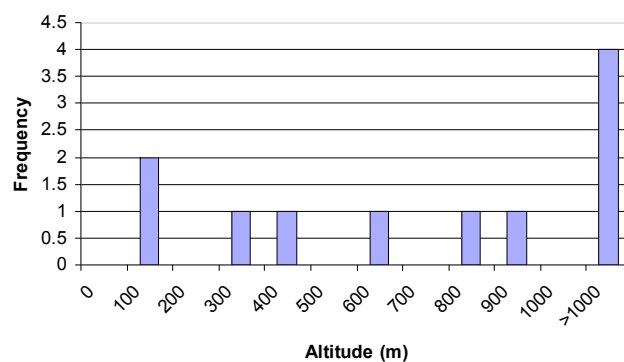


*Edmundsiops* sp9, nymph and typical habitat

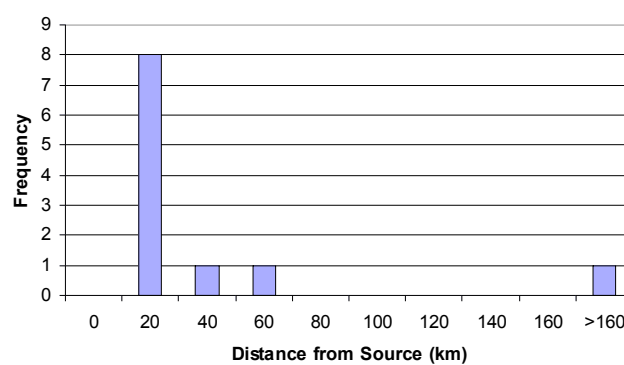


Charts for *Edmundsiops* sp9

a) Altitude

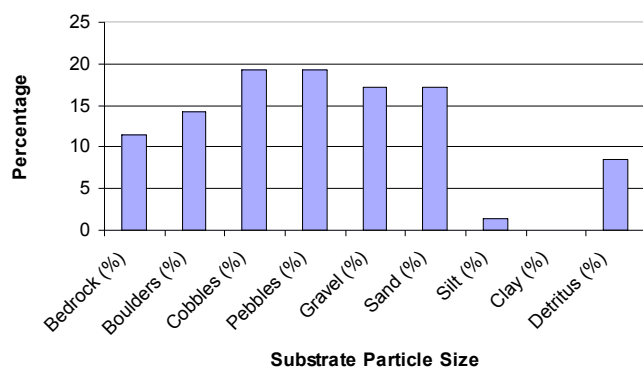


b) Distance from source

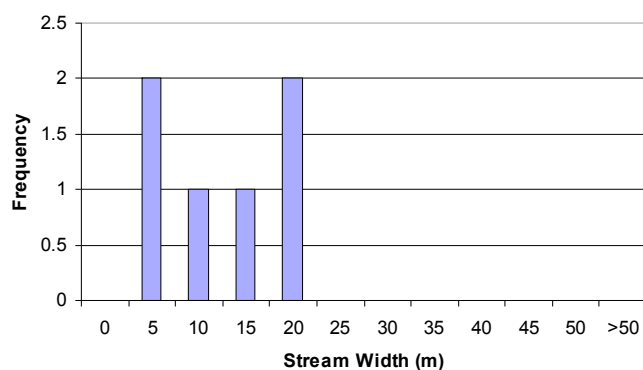




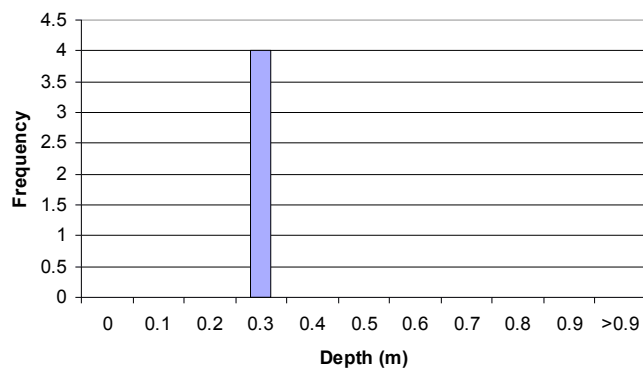
c) Substrate Particle Size



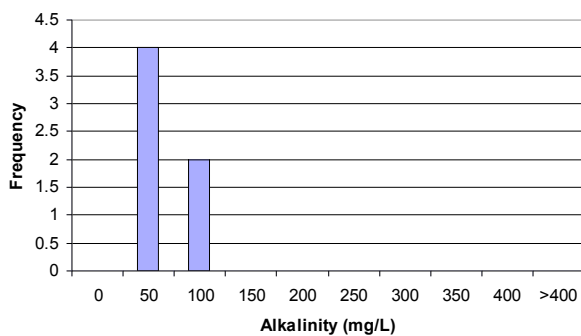
d) Stream Width



e) Depth

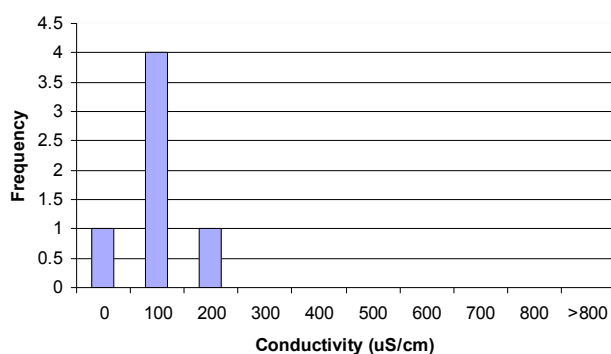


f) Alkalinity





g) Conductivity



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Edmundsiops* sp9 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	832	740	40-1680	11
Distance from source (km)	31	11	7.6-162.3	11
Stream width (m)	11.5	12.5	1-20	6
Stream Depth (m)	0.29	0.30	0.25-0.30	4
Water temperature (°C)	16.3	16.4	11.8-20.4	6
Conductivity (µS/cm)	65.5	79.0	17-121	5
pH	7.4	7.5	6.6-7.6	6
Turbidity (NTU)	6.9	1.3	1.1-35.8	5
NO <sub>3</sub> -N (mg/L)	0.033	0.015	0.010-0.091	4
Total N (mg/L)				
Total P (mg/L)	0.015	0.015	0.010-0.022	4
Alkalinity (mg/L)	36.6	29.0	10-8.5	6

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)