



## Family Baetidae

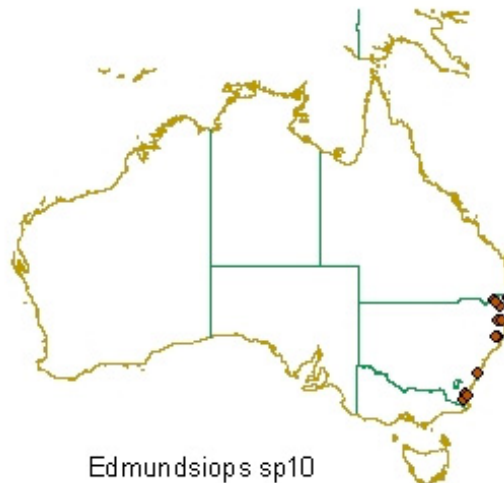
### Habitat Profile for *Edmundsiops* sp 10

*Edmundsiops* MVsp10 was recorded from 18 samples from the eastern drainage in New South Wales. This species is a previously unrecognised species.

*Edmundsiops* MVsp 10 was generally recorded in riffle habitat samples from streams generally <300m (range 50-780m) altitude (Chart a), < 40 km from the source (Chart b), with predominantly bedrock substrate with <5% detritus cover (Chart c). The streams were between 2-20 m wide (Chart d) and less than 0.2 m deep (Chart e), with low alkalinity between 10-44 mg/L (Chart f) and low to moderate conductivity between 45-670 $\mu$ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 13.5-20.1 °C, pH circum-neutral, mostly in range of 6.9-7.9, and very low turbidity 0.2-3.3 NTU.

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



Distribution of *Edmundsiops* sp 10 in Australia.

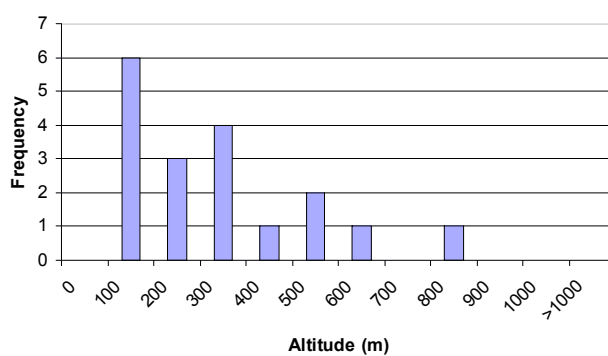


*Edmundsiops* sp 10, nymph and typical habitat

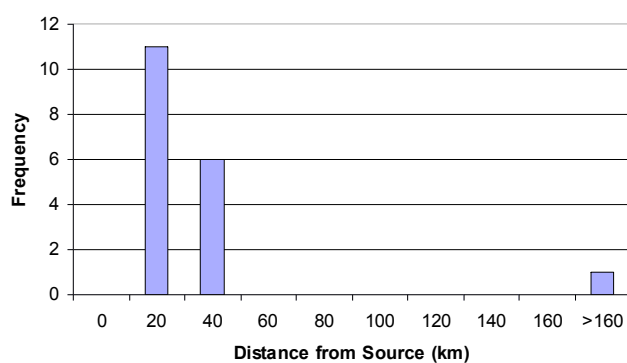


Charts for *Edmundsiops* sp10

a) Altitude

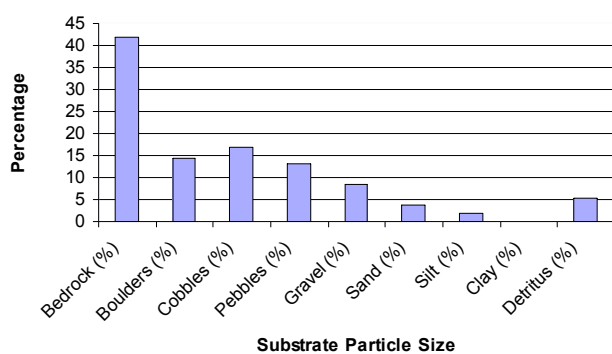


b) Distance from source

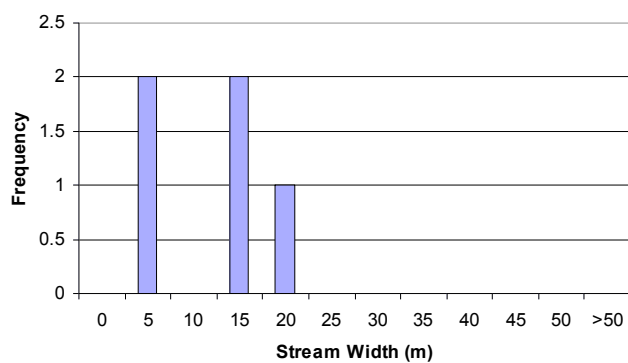




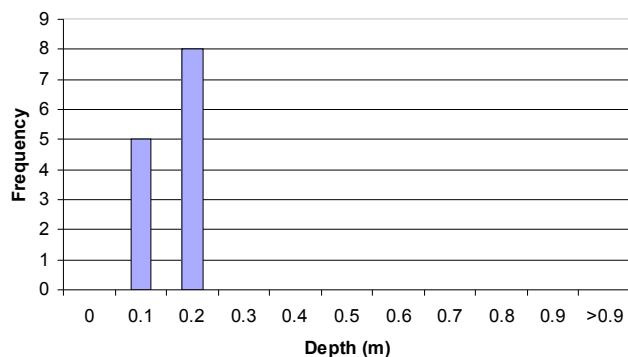
c) Substrate Particle Size



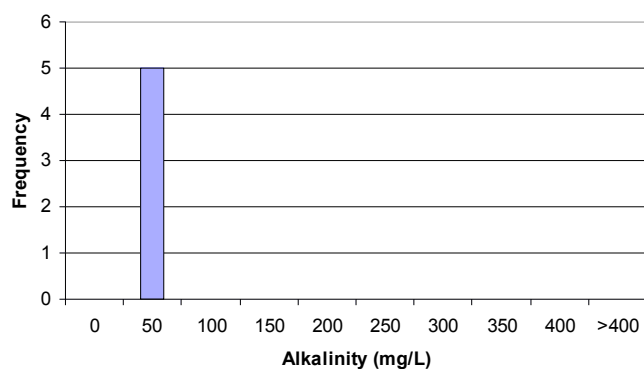
d) Stream Width



e) Depth

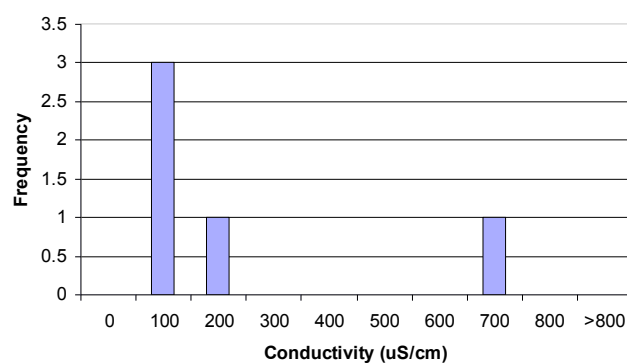


f) Alkalinity





g) Conductivity



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Edmundsiops* sp10 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	236	195	50-780	18
Distance from source (km)	27	12.3	0.34-200	18
Stream width (m)	9.8	11	2-20	5
Stream Depth (m)	0.14	0.15	0.02-0.20	13
Water temperature (°C)	16.7	17.8	13.5-20.1	5
Conductivity (µS/cm)	198	68	45-670	5
pH	7.2	7.1	6.9-7.9	5
Turbidity (NTU)	1.3	1.0	0.2-3.3	5
NO <sub>3</sub> -N (mg/L)	0.068	0.030	0.010-0.240	5
Total N (mg/L)				
Total P (mg/L)	0.012	0.012	0.01-0.016	5
Alkalinity (mg/L)	22.4	22.0	10-44	5