



## Family Baetidae

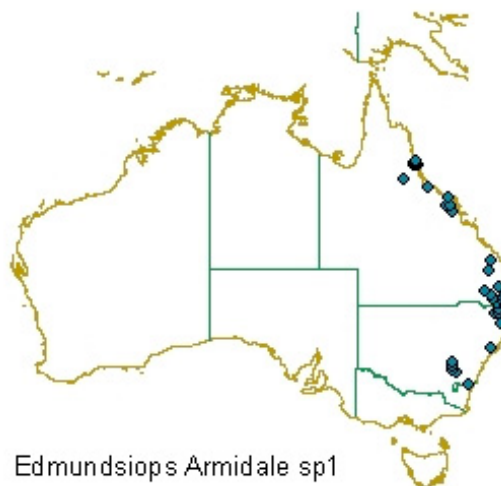
### Habitat Profile for *Edmundsiops Armidale* sp 1

*Edmundsiops Armidale* sp 1 was recorded from 54 samples from northern Queensland, New South Wales and the ACT.

*Edmundsiops Armidale* sp 1 was generally recorded in riffle and kick habitat samples from streams below 500 m altitude (Chart a), generally < 120 km from the source (Chart b), with predominantly cobbles, boulder, pebble on sand substrate with <10% detritus cover (Chart c). The streams were between 1-50 m wide (Chart d) and less than 0.7m deep (Chart e), with low to moderate alkalinity between 7.3-420 mg/L (Chart f) and generally low conductivity but as high as 1176 $\mu$ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 14.1-28.5 °C, pH circum-neutral, mostly in range of 5.6-9.1, and low turbidity 0.5-40 NTU.

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



*Edmundsiops Armidale* sp1

Distribution of *Edmundsiops Armidale* sp1 in Australia.

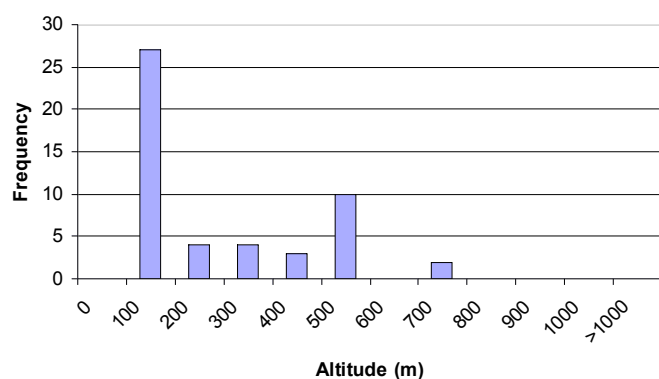


*Edmundsiops* Armidale sp 1, nymph and typical habitat

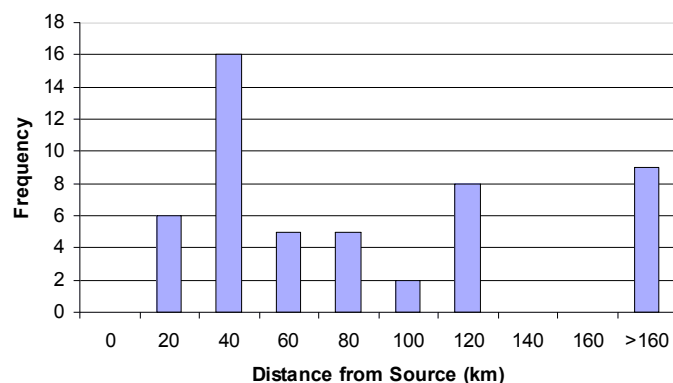


Charts for *Edmundsiops* Armidale sp 1

a) Altitude

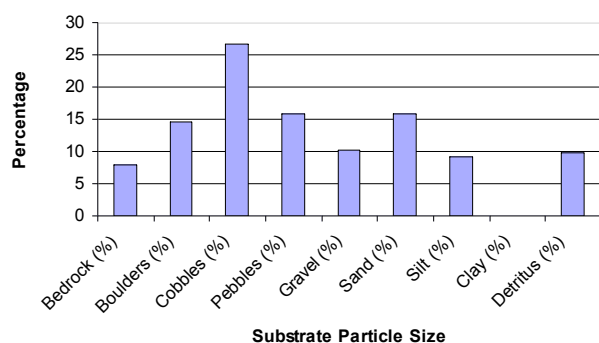


b) Distance from source

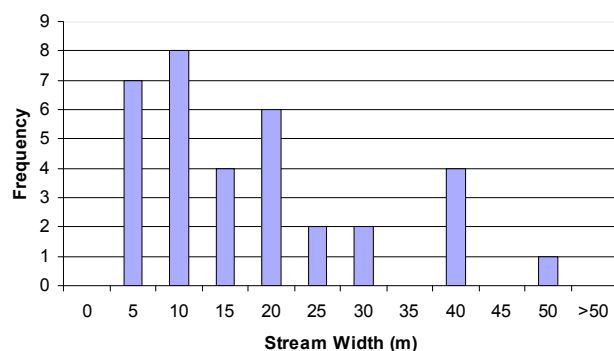




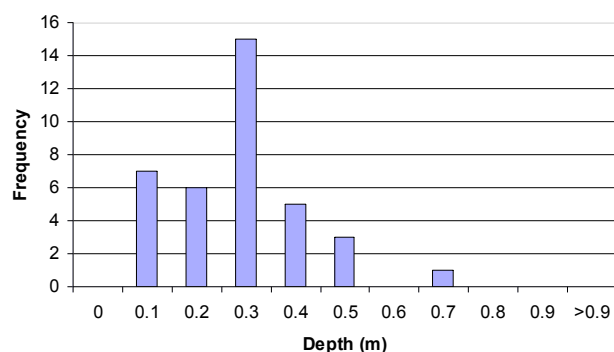
c) Substrate Particle Size



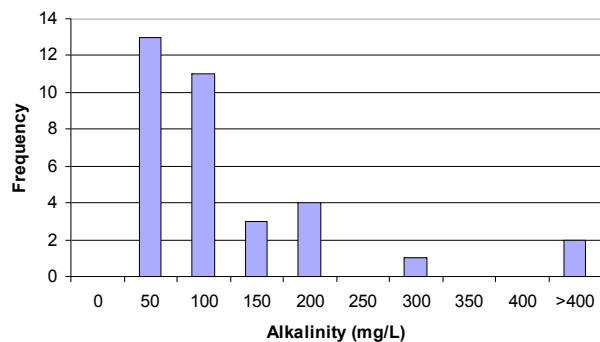
d) Stream Width



e) Depth

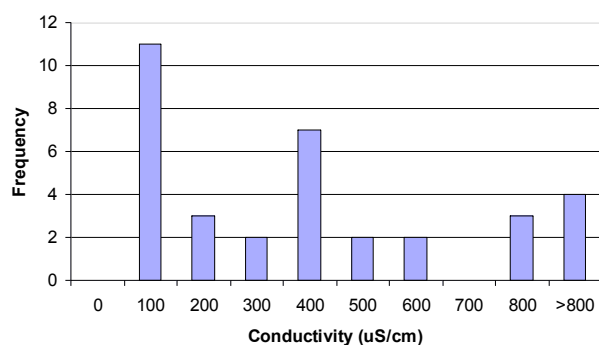


f) Alkalinity





g) Conductivity



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Edmundsiops Armidale* sp 1 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	200	90	5-685	50
Distance from source (km)	81	57	2.1-310	50
Stream width (m)	16.9	13	1-50	34
Stream Depth (m)	0.27	0.25	0.05-0.70	37
Water temperature (°C)	21.6	21.4	14.1-28.5	34
Conductivity (µS/cm)	361	313.5	28-1176	34
pH	7.8	7.8	5.6-9.1	34
Turbidity (NTU)	9.8	3.6	0.5-40	34
NO <sub>3</sub> -N (mg/L)	0.112	0.040	0.010-0.630	13
Total N (mg/L)	0.395	0.400	0.110-0.660	28
Total P (mg/L)	0.033	0.029	0.003-0.130	33
Alkalinity (mg/L)	97.7	66.0	7.3-420	34