



## FAMILY PHILOPOTAMIDAE

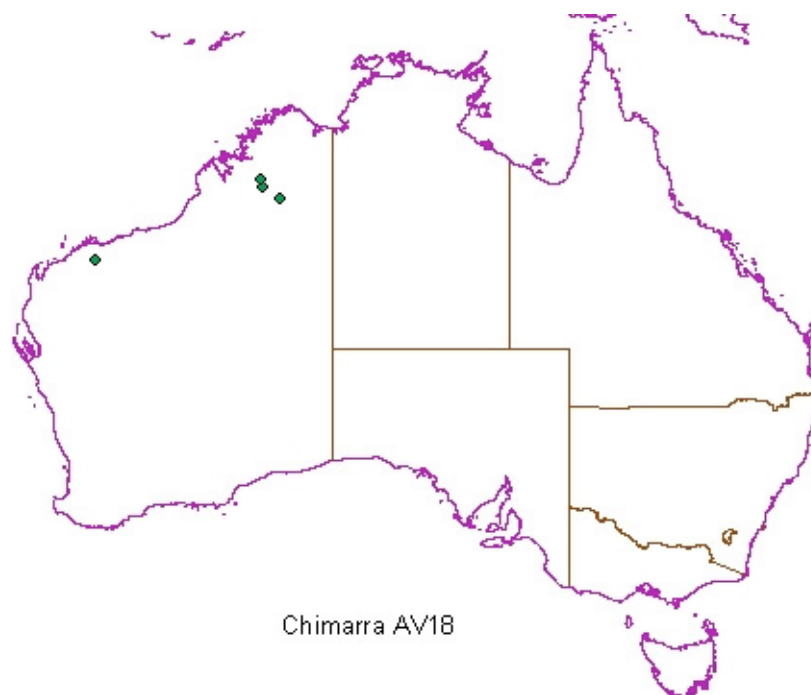
### Habitat profile for *Chimarra* sp. AV18

*Chimarra* sp. AV18 was recorded from only 5 northern Western Australian localities in this study.

*Chimarra* sp. AV18 was recorded from riffle, pool and macrophyte habitat samples from streams between 160-285 m altitude (Chart a), 3-490 km from the source (Chart b), with moderate to high alkalinity (range 23-390 mg/L) (Chart c) and conductivity of between 53-1540  $\mu\text{S}/\text{cm}$  (Chart d).

The following can be stated about the other parameters listed in the Table: recorded water temperatures between 23.2-31°C, and circum-neutral pH with a range of 6.5-8.5.

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

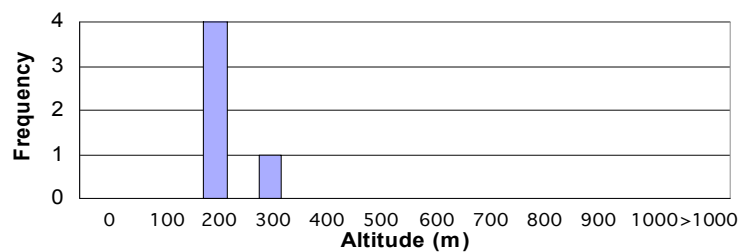


Distribution of *Chimarra* sp AV18 in Australia.

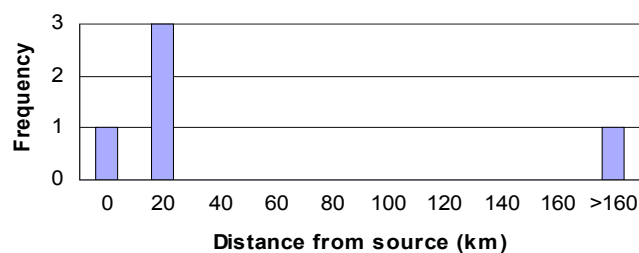


## Charts for *Chimarra* sp AV18

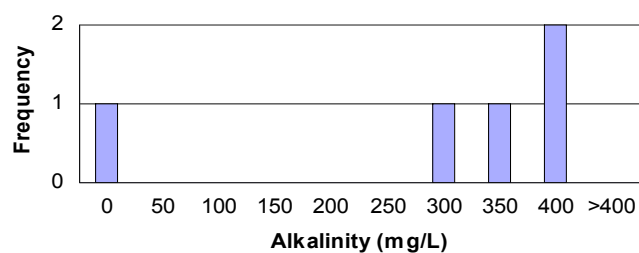
### a) Altitude



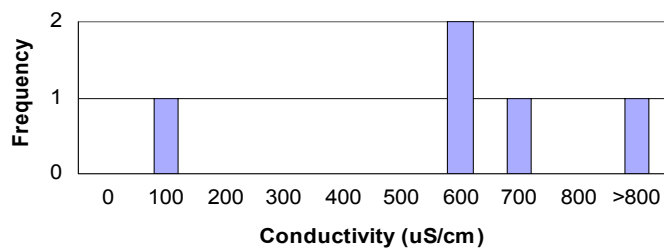
### b) Distance from source



### c) Alkalinity



### d) Conductivity





**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Chimarra* sp. AV18 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	227	230	160-285	5
Distance from source (km)	106	12	3-490	5
Stream width (m)				
Stream depth (m)				
Water temperature (°C)	26.8	26.4	23.2-31	5
Conductivity (µS/cm)	709	620	53-1540	5
pH	7.7	7.7	6.5-8.5	5
Alkalinity (mg/L)	283	340	23-390	5
Turbidity (NTU)	1.4	1.5	0.4-3	5
Total N (mg/L)	0.33	0.12	0.09-0.76	5
NO <sub>3</sub> -N (mg/L)	0.17	0.03	0.01-0.73	5
Total P (mg/L)	0.009	0.01	0.005-0.01	5
P SR (mg/L)	0.008	0.01	0.005-0.01	5