



## FAMILY PHILOPOTAMIDAE

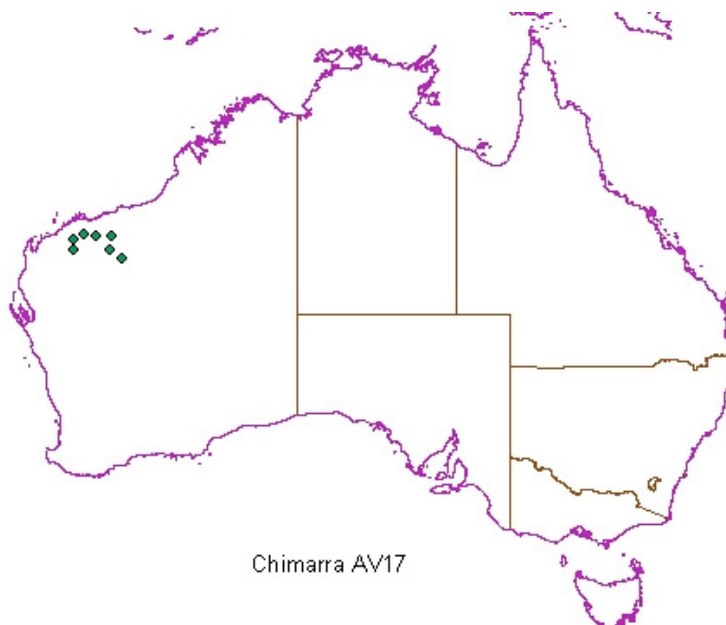
### Habitat profile for *Chimarra* sp. AV17

*Chimarra* sp. AV17 was recorded from 12 northern Western Australian localities in this study.

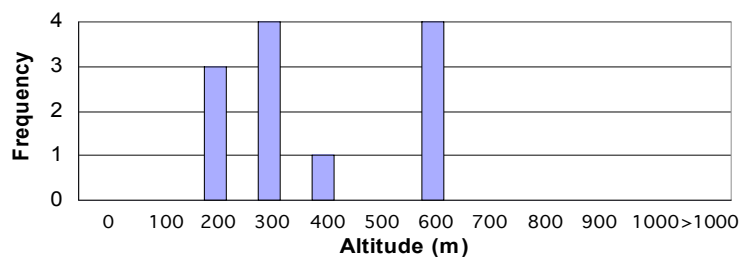
*Chimarra* sp. AV17 was recorded from riffle habitat samples from streams between 235-600 m altitude (Chart a), 5-490 km from the source (Chart b), with moderate to high alkalinity (range 160-380 mg/L) (Chart c) and medium to high conductivity of between 460-2360  $\mu$ S/cm (Chart d).

The following can be stated about the other parameters listed in the Table: recorded water temperatures between 21.5-30.8°C and alkaline pH with a range of 7.4-8.4.

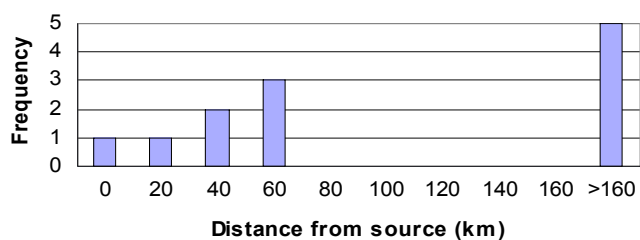
Mean, median and range for selected physical and chemical parameters and habitat categories are given in the Table.



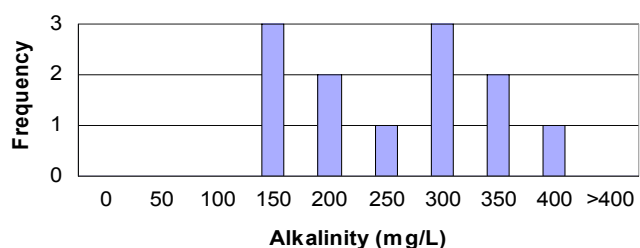
a)



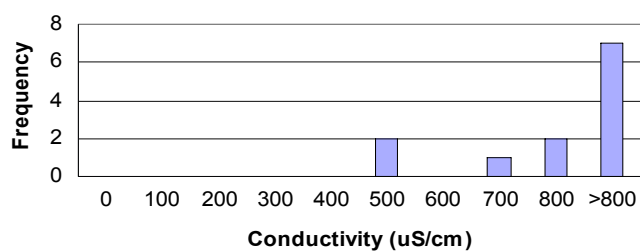
b)



c)



d)



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Chimarra* sp. AV17 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	376	285	235-600	12
Distance from source (km)	178	65	5-490	12
Stream width (m)				
Stream depth (m)				
Water temperature (°C)	25.8	25.7	21.5-30.8	12
Conductivity (µS/cm)	1055	1004	460-2360	12
pH	8.0	8.0	7.4-8.4	12
Alkalinity (mg/L)	254	275	160-380	12
Turbidity (NTU)	3.3	1.9	0.2-11	12
Total N (mg/L)	0.58	0.34	0.08-3.3	12
NO <sub>3</sub> -N (mg/L)	0.33	0.11	0.01-2.3	12
Total P (mg/L)	0.008	0.008	0.005-0.01	12
P SR (mg/L)	0.006	0.005	0.005-0.01	12