



FAMILY PHILOPOTAMIDAE

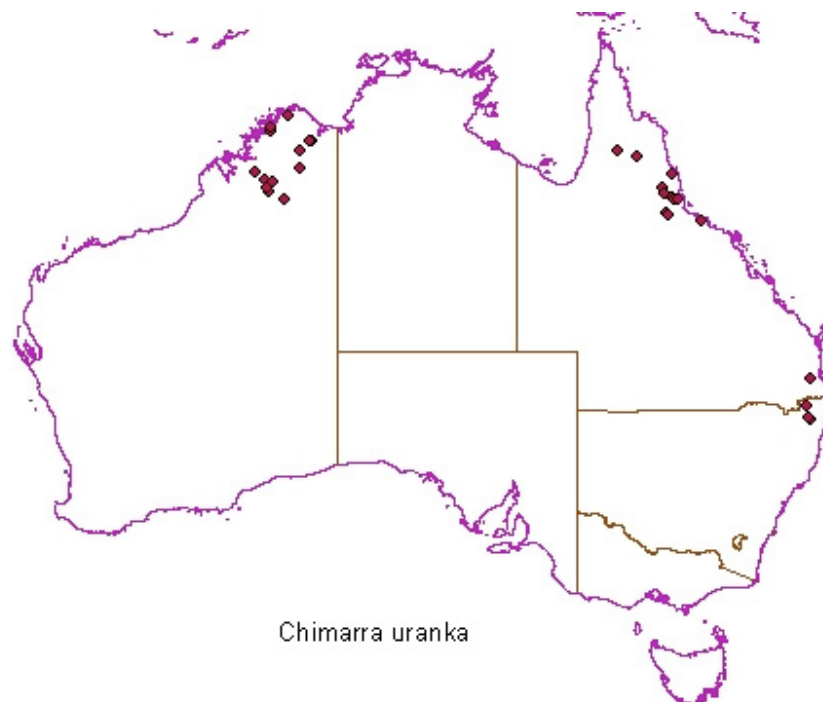
Habitat profile for *Chimarra uranka* Mosely

Chimarra uranka Mosely was recorded from 40 northern Western Australian, Queensland and New South Wales localities in this study. This is a widespread and very common species in northern Australia from north-west Western Australia to south eastern Queensland (Cartwright 2002).

C. uranka was recorded mainly in riffle habitat samples from streams between 15-580 m altitude (Chart a), between 8-300 km from the source (Chart b), with predominantly mid- sized substrates of gravel, pebbles and sand with >15% detritus cover (Chart c). Streams were small to medium between 1-30 m wide (Chart d) and <0.3m deep (Chart e) with alkalinity between 10-340 mg/L (Chart f) and low to moderate conductivity 25-625 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate to high recorded water temperatures between 21-31 °C, circum-neutral pH in the range between 6.5-9.2, and low turbidity (<16.5 NTU).

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



Distribution of *Chimarra uranka* in Australia.

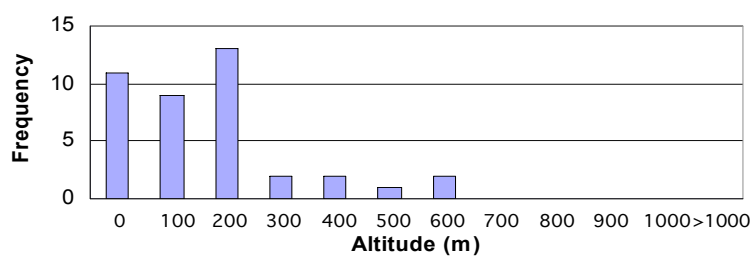


Typical habitat of *Chimarra uranka*

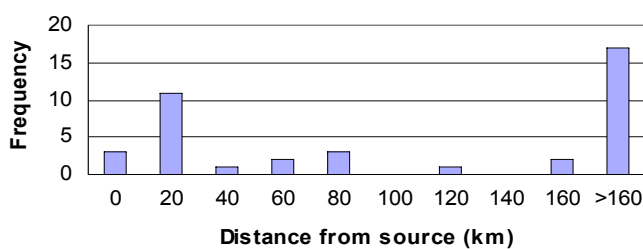


Charts for *Chimarra uranka*

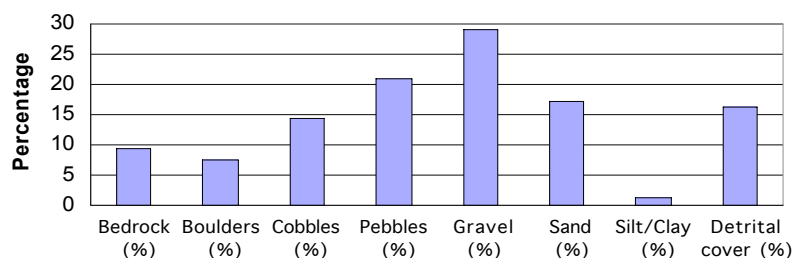
a) Altitude



b) Distance from source

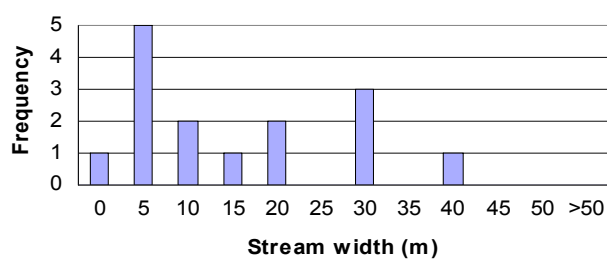


c) Substrate Particle Size

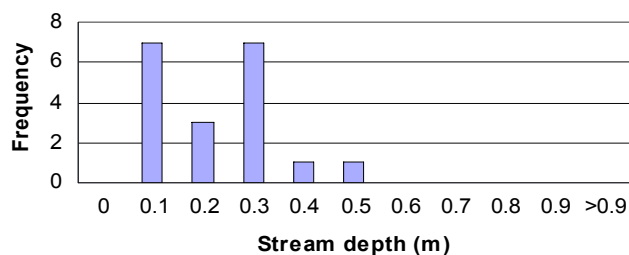




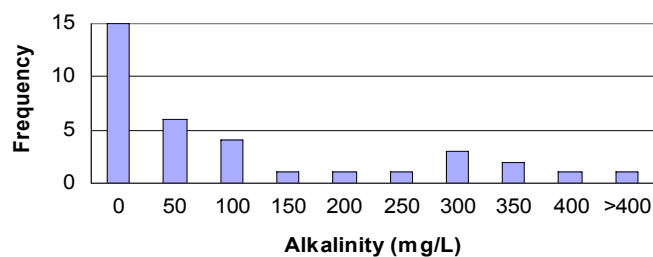
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

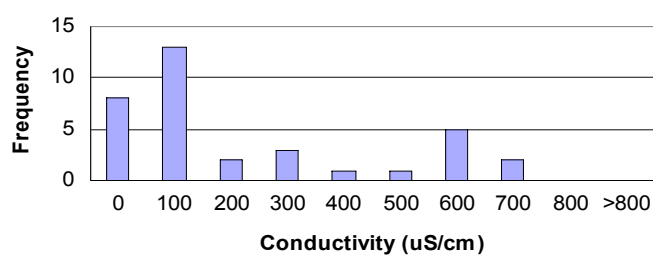




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *C. uranka* (N= number of records).

	Mean	Median	Range	N
Altitude (m)	164	135	2-580	40
Distance from source (km)	127	98	1.5-316	40
Stream width (m)	15.7	10	1-40	15
Stream depth (m)	0.2	0.15	0.05-0.5	19
Water temperature (°C)	26.1	25.5	14.4-33	35
Conductivity (µS/cm)	226	85	25-740	35
pH	7.6	7.6	5.7-9.2	35
Alkalinity (mg/L)	108	31	8-410	35
Turbidity (NTU)	4.0	3.0	0.4-16	35
Total N (mg/L)	0.30	0.26	0.07-0.7	34
NO ₃ -N (mg/L)	0.022	0.01	0.01-0.08	21
Total P (mg/L)	0.013	0.01	0.003-0.03	35
P SR (mg/L)	0.007	0.005	0.005-0.01	20

References

Cartwright DI (2002) The Australian species of *Chimarra* Stephens (Trichoptera:Philopotamidae). *Memoirs of the Museum of Victoria* **59**, 393-437.