



FAMILY ECNOMIDAE

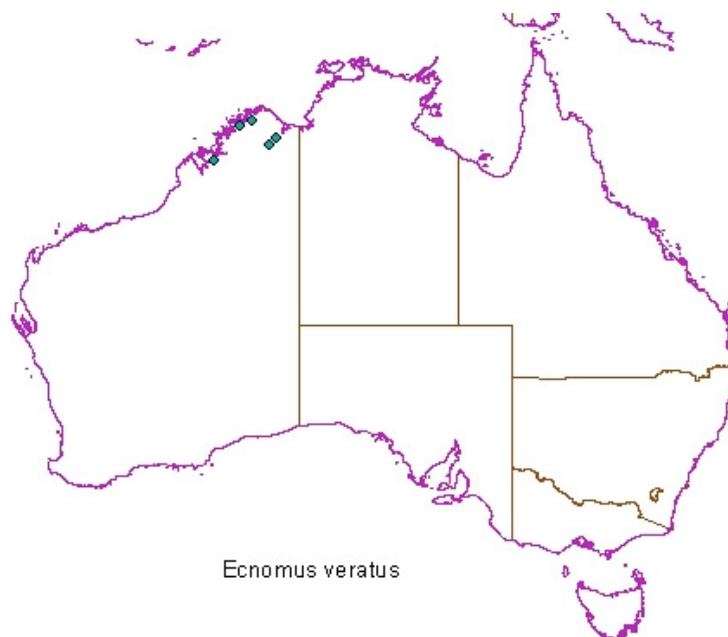
Habitat profile for *Ecnomus veratus* Cartwright

Ecnomus veratus Cartwright was recorded from only 7 northern Western Australian localities in this study. Adults of this widespread northern Australian species have also previously been recorded from the Northern Territory and north eastern Queensland (Cartwright 1990).

E. veratus was generally recorded in channel habitat samples from low altitude streams between 20-220 m (Chart a), between 18-80 km from the source (Chart b), with low to moderate alkalinity between 10-100 mg/L (Chart c) and moderate conductivity between 27-280 $\mu\text{S}/\text{cm}$ (Chart d).

The following generalities can be made about the other parameters listed in the Table: relatively high recorded water temperature ranged from 20.4 to 31 °C, circum-neutral pH between 5.1-7.9, and low turbidity <29 NTU.

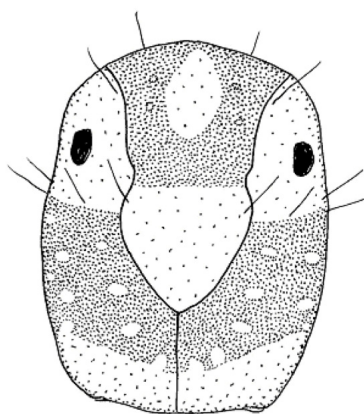
Mean, median and range for selected physical and chemical parameters and habitat categories are given in the Table.



Distribution of *Ecnomus veratus* in Australia.

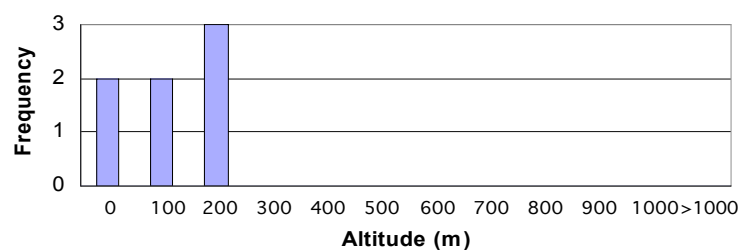


Ecnomus veratus, head of larva and typical habitat

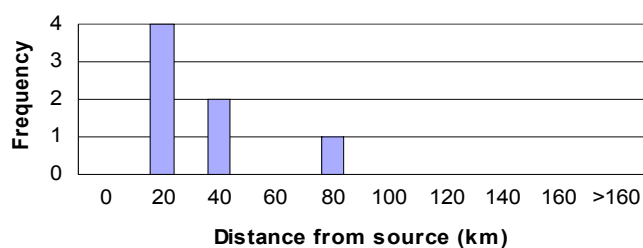


Charts for *Ecnomus veratus*

a) Altitude

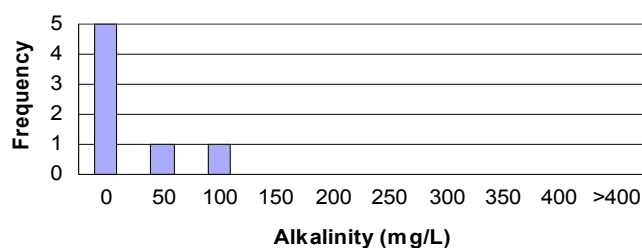


b) Distance from source





c) Alkalinity



d) Conductivity

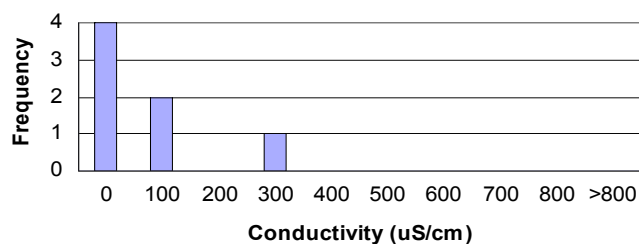


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *E. veratus* (N= number of records).

	Mean	Median	Range	N
Altitude (m)	155	110	20-220	7
Distance from source (km)	35	26	18-80	7
Stream width (m)				
Stream depth (m)				
Water temperature (°C)	26.5	26	20.4-30.8	7
Conductivity (µS/cm)	82	49	27-280	7
pH	6.6	6.7	5.1-7.9	7
Alkalinity (mg/L)	31	23	10-100	7
Turbidity (NTU)	6.6	2.5	0.7-28	7
Total N (mg/L)	0.53	0.36	0.17-1.5	7
NO ₃ -N (mg/L)	0.014	0.01	0.01-0.04	7
Total P (mg/L)	0.01	0.01	0.01	7
P SR (mg/L)	0.006	0.005	0.005-0.01	7

References

Cartwright DI (1990) The Australian species of *Ecnomus* McLachlan (Trichoptera: Ecnomidae). *Memoirs of the Museum of Victoria* **51**, 1-48.