



FAMILY ECNOMIDAE

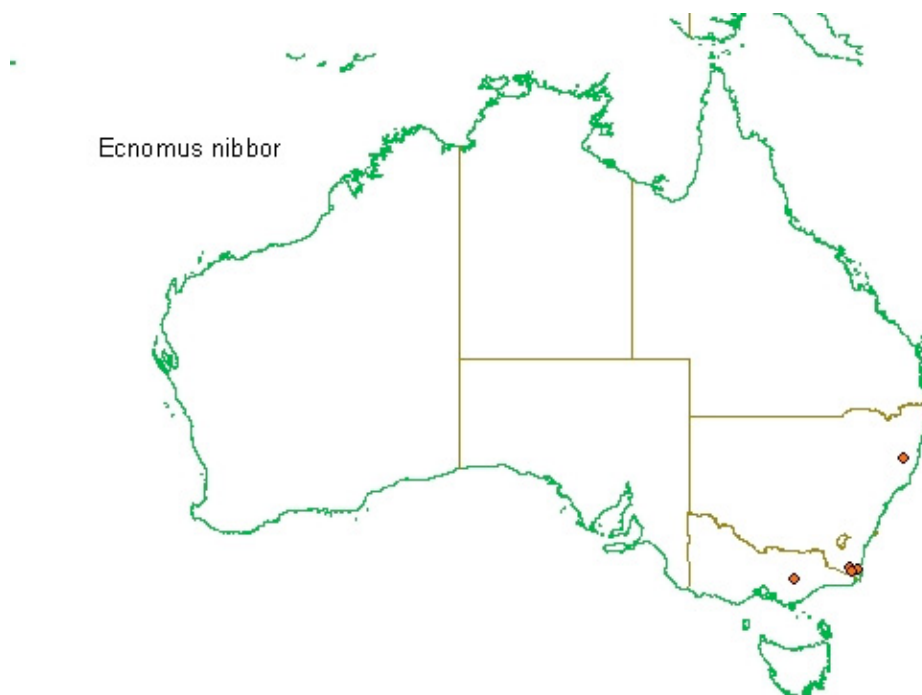
Habitat profile for *Ecnomus nibbor* Cartwright

Ecnomus nibbor Cartwright was recorded from only 6 Victorian and New South Wales localities in this study.

E. nibbor was generally recorded in pool habitat samples from low to medium altitude streams between 50-840 m (Chart a), between 9-33 km from the source (Chart b), with predominantly boulders and gravel substrates with >30% detritus cover (Chart c). The streams were between 4-10 m wide (Chart d), depth was shallow between 0.1-0.3 cm (Chart e), with moderate alkalinity between 10-54 mg/L (Chart f) and low conductivity between 40-100 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures (range from 12 to 22 °C), circum-neutral pH between 6.2-8, and very low turbidity <6 NTU.

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

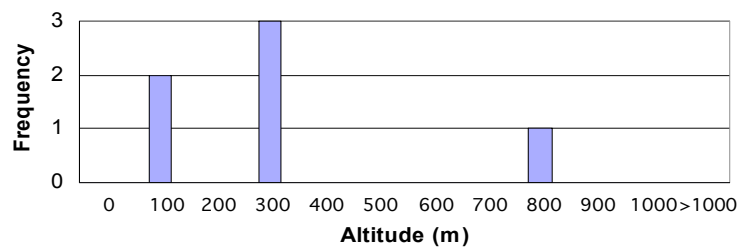


Distribution of *Ecnomus nibbor* in Australia.

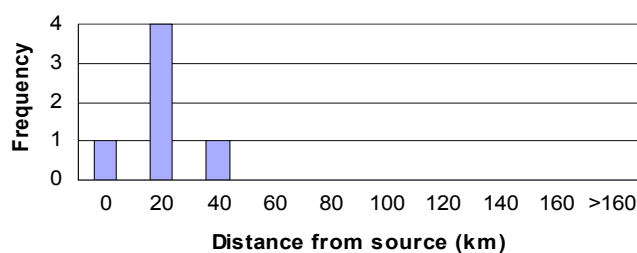


Charts for *Ecnomus nibbor*

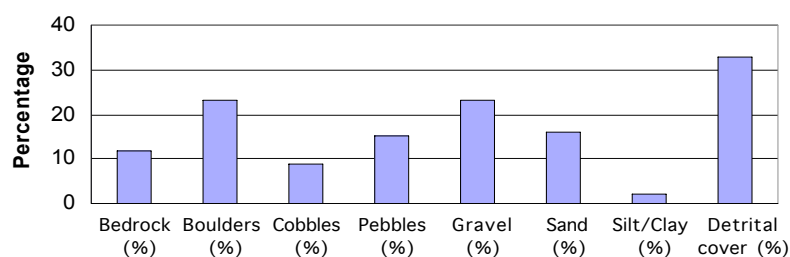
a) Altitude



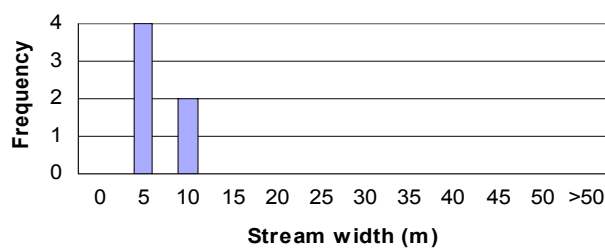
b) Distance from source



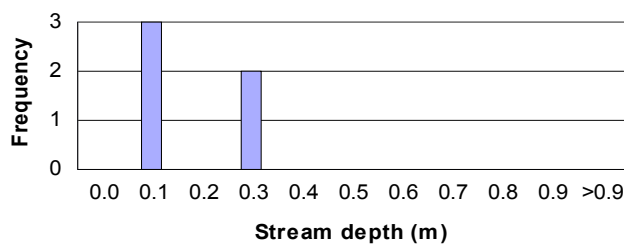
c) Substrate Particle Size



d) Stream Width

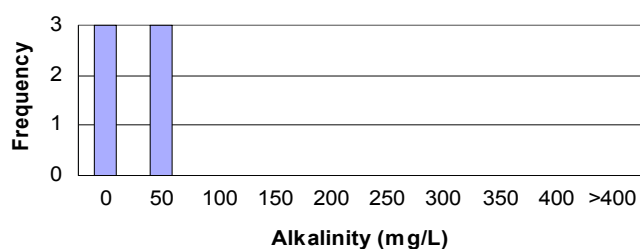


e) Depth





f) Alkalinity



g) Conductivity

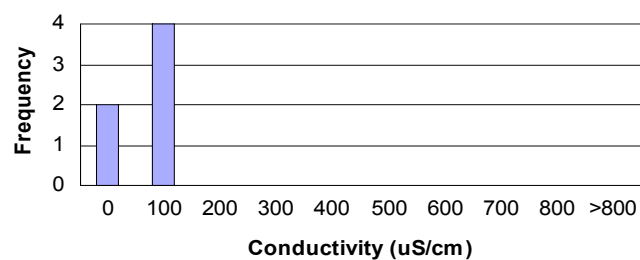


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *E. nibbor* (N= number of records).

	Mean	Median	Range	N
Altitude (m)	303	275	50-840	6
Distance from source (km)	15.7	11.8	9-33	6
Stream width (m)	6.3	5.5	4-10	6
Stream depth (m)	0.19	0.14	0.1-0.3	5
Water temperature (°C)	15.6	13.8	12.3-21.8	6
Conductivity (uS/cm)	63	61	40-100	6
pH	7.1	7.1	6.2-8	6
Alkalinity (mg/L)	25	20.5	10-54	6
Turbidity (NTU)	2.8	3.0	0.7-5.9	5
Total N (mg/L)				
NO ₃ -N (mg/L)	0.009	0.01	0.005-0.01	5
Total P (mg/L)	0.01	0.01	0.01	4