

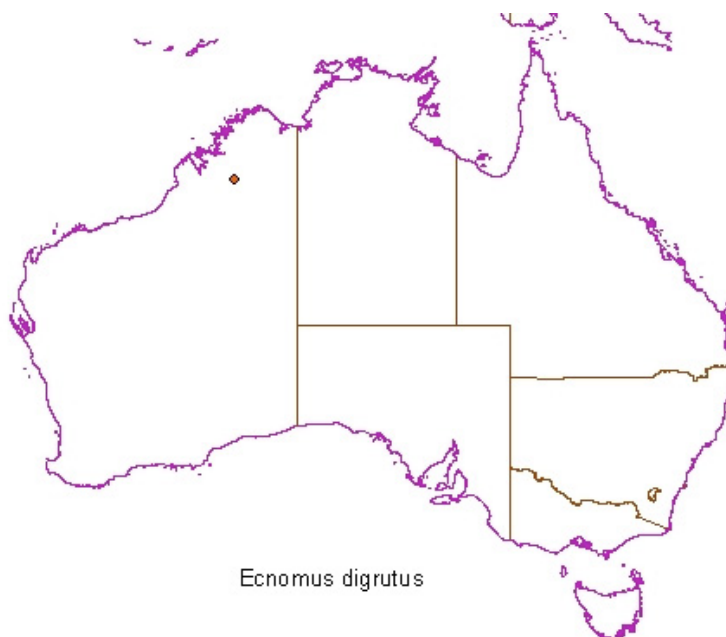


FAMILY ECNOMIDAE

Habitat profile for *Ecnomus digrutus* Cartwright

Ecnomus digrutus Cartwright was recorded from only 1 northern Western Australian locality in this study. Adults of this species have been also recorded from the Northern Territory (Cartwright 1990).

In this study, *E. digrutus* was recorded from a riffle habitat sample from a stream at 160 m altitude, 3 km from the source, with high alkalinity (340 mg/L) and moderate conductivity of 593 $\mu\text{S}/\text{cm}$. Because of the low sample number generalities can not be made, but the records are given in the Table.



Ecnomus digrutus

Distribution of *Ecnomus digrutus* in Australia.

Ecnomus digrutus, head and typical habitat

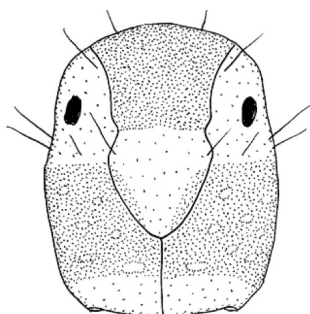




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *E. digrutus* (N= number of records).

	Mean	Median	Range	N
Altitude (m)	160	160	160	1
Distance from source (km)	3	3	3	1
Stream width (m)				
Stream depth (m)				
Water temperature (°C)	31	31	31	1
Conductivity (µS/cm)	593	593	593	1
pH	7.7	7.7	7.7	1
Alkalinity (mg/L)	340	340	340	1
Turbidity (NTU)	1.5	1.5	1.5	1
Total N (mg/L)	0.56	0.56	0.56	1
NO ₃ -N (mg/L)	0.01	0.01	0.01	1
Total P (mg/L)	0.005	0.005	0.005	1
P SR (mg/L)	0.005	0.005	0.005	1

References

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