



FAMILY POLYCENTROPODIDAE

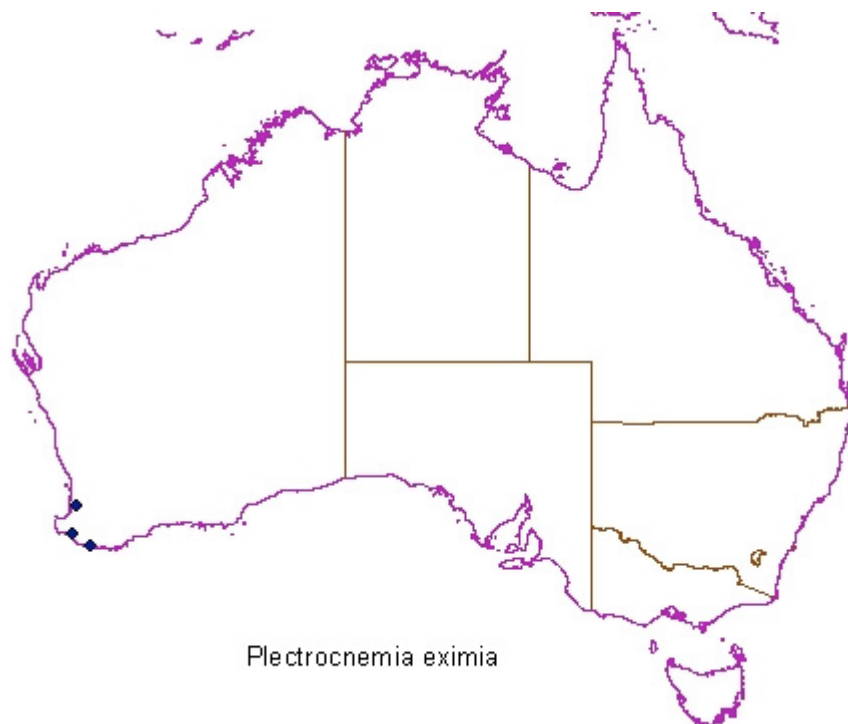
Habitat profile for *Plectrocnemia eximia* Neboiss

Plectrocnemia eximia Neboiss was recorded from 4 southern Western Australian localities in this study and is a WA endemic (Sutcliffe 2003). However, there is corresponding physico-chemical data for only one of these records.

P. eximia was recorded from a channel habitat sample from a stream at 80 m altitude, 10 km from the source, with predominantly sand and gravel substrate with 30% detritus cover. The stream was 5 m wide with very shallow water of 0.03 m deep, low alkalinity 10 mg/L and moderate conductivity 189 μ S/cm.

The following can be stated about the other parameters listed in the Table: recorded water temperature of 12.3 °C, near neutral pH 7.1, extremely low turbidity of 3 NTU.

Chemical parameters and habitat categories are given in the Table.



Distribution of *Plectrocnemia eximia* in Australia.



Nymph of *Plectrocnemia*



Table. Selected physical and chemical parameters and habitat categories for *P. eximia* (N= 1).

Altitude (m)	80
Distance from source (km)	10
Stream width (m)	5
Stream depth (units)	0.03
Water temperature	12.3
Conductivity (uS/cm)	189
pH	7.1
Alkalinity (mg/L)	10
Turbidity (NTU)	3
Total N (mg/L)	0.25
NO ₃ -N (mg/L)	0.05
Total P (mg/L)	0.25
P SR (mg/L)	0.01

References

Sutcliffe K (2003) The conservation status of aquatic insects in south-western Australia. Doctor of Philosophy thesis, Murdoch University.