



Family Austroperlidae

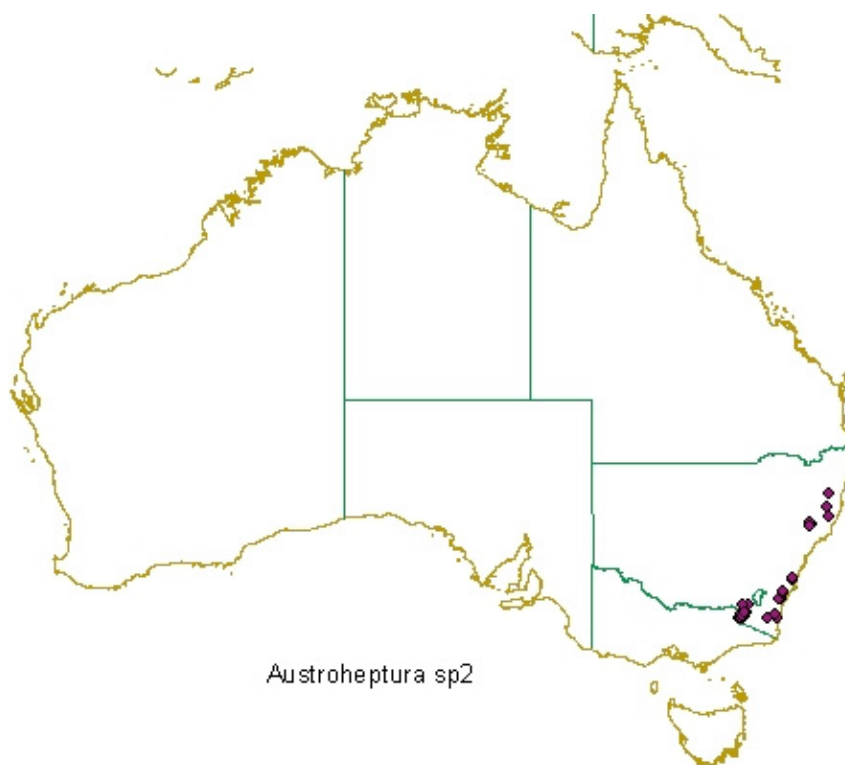
Habitat Profile for *Austroheptura sp 2*

Austroheptura sp2 was recorded from 78 samples in New South Wales only, consistent with the observations by Yule (1997).

Austroheptura sp2 was recorded from riffle samples and from some pool rocks in streams at high altitude (70-2020m) above sea level (Chart a), in streams close to the stream source (<40km) (Chart b) and the substrate was dominated by boulders and cobbles with <5% detrital cover (Chart c). Streams were generally <15m wide (Chart d), depth was <0.5m (Chart e) with low (<25mg/L) alkalinity (Chart f) and conductivity <90 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: low water temperature (4.6-15.8 °C), pH was circum-neutral, range 4.4-8.1 and very low turbidity (<11 NTU).

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



Distribution of *Austroheptura sp 2* in Australia.

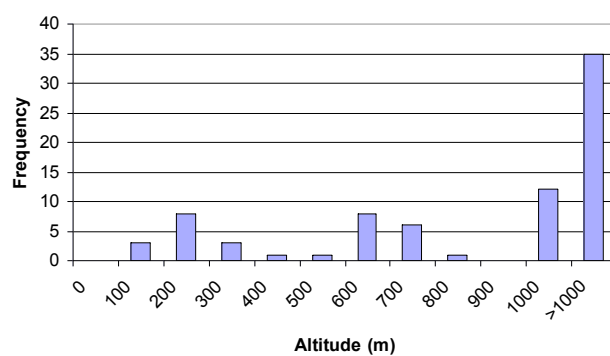


Typical habitat of *Austroheptura* sp 2

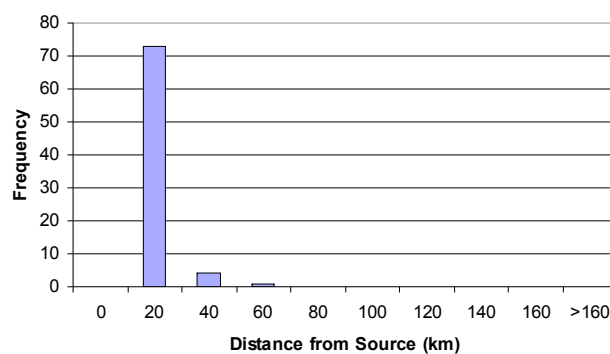


Charts for *Austroheptura* sp 2

a) Altitude

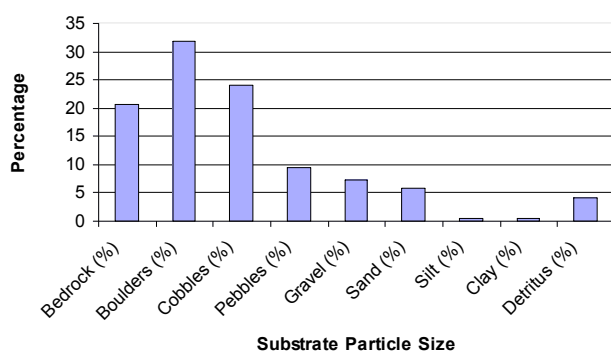


b) Distance from source

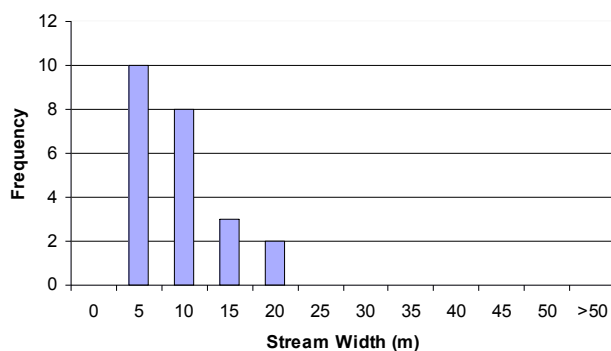




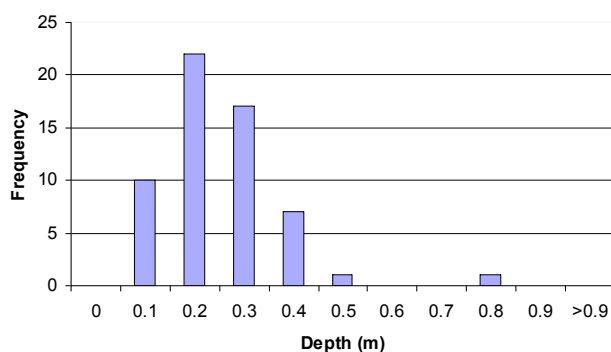
c) Substrate Particle Size



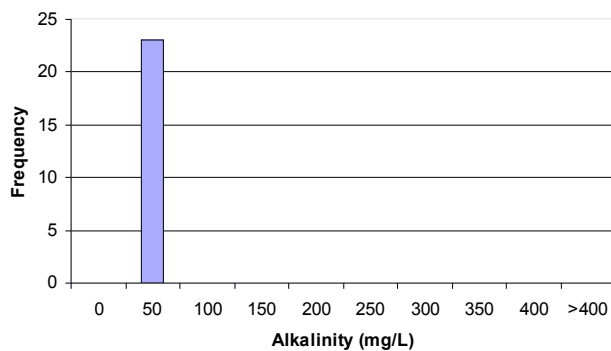
d) Stream Width



e) Depth



f) Alkalinity





g) Conductivity

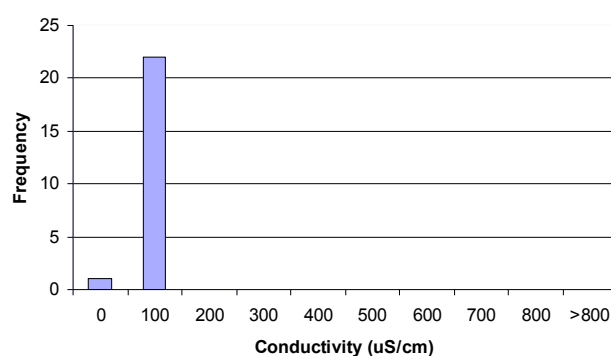


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Austroheptura sp2* (N= number of records).

	Mean	Median	Range	N
Altitude (m)	997	1000	70-2020	78
Distance from source (km)	9.5	7.8	0.33-57.1	78
Width (m)	7.1	6.0	1.5-20.0	23
Depth (m)	0.23	0.20	0.02-0.73	58
Water Temperature (°C)	9.9	9.5	4.6-15.8	23
Conductivity (µS/cm)	33.9	30	0-92	23
pH	6.8	7.3	4.4-8.1	23
Turbidity (NTU)	2.5	1.0	0-11	21
NO3-N (mg/L)	0.023	0.010	0.010-0.190	21
Total N (mg/L)				
Total P (mg/L)	0.011	0.010	0.010-0.017	21
Alkalinity (mg/L)	12.3	10.0	10-23	23

References

Yule C (1997) 'Identification guide to the stonefly nymphs of New South Wales and northern Victoria.' (Australian Water Technologies: West Ryde)