



Family Baetidae

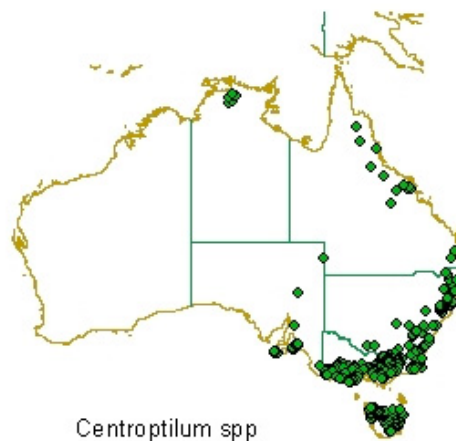
Habitat Profile for *Centroptilum* spp.

Centroptilum spp was widespread being recorded from 483 samples in all states and territories except Western Australia. Like *Cloeon*, the taxonomic status of *Centroptilum* is in need of revision and individual species are difficult to determine. Consequently all species have been included to give a generic habitat profile. Also like *Cloeon*, *Centroptilum* was generally found in slow to stationary waters, but the two genera were rarely found in the same sample ie not at the same location at the same time. *Centroptilum* appears to be associated with temporary or intermittent streams.

Centroptilum spp were generally recorded in sweep, edge and microphyte habitat samples from streams generally below 400 m altitude (Chart a), usually < 40 km from the source (Chart b), with predominantly cobbles, pebbles, grave and sand substrate with <15% detritus cover (Chart c). The streams were between 0.7-50 m wide (Chart d) and less than 0.65m deep (Chart e), with low to moderate alkalinity between 4-460 mg/L (Chart f) and low to high conductivity between 1-140,000µS/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 7.4-33.4 °C, wide pH range between 4.9-9.2, and low to high turbidity 0.2-385 NTU.

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



Distribution of *Centroptilum* in Australia.

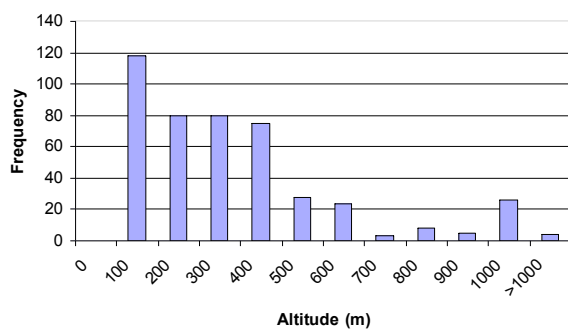


Centropetilum, nymph and typical habitat

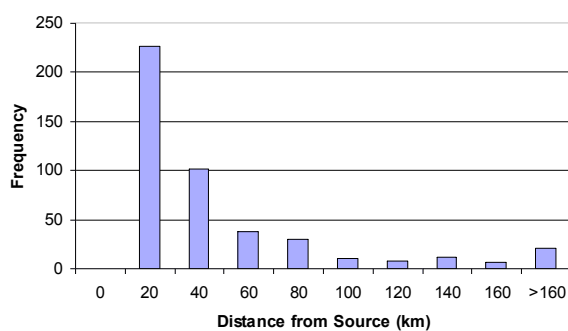


Charts for *Centropetilum* spp.

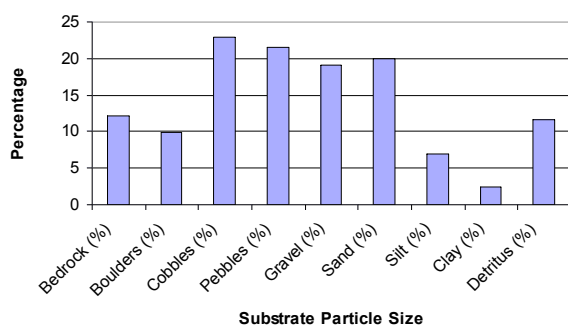
a) Altitude



b) Distance from source

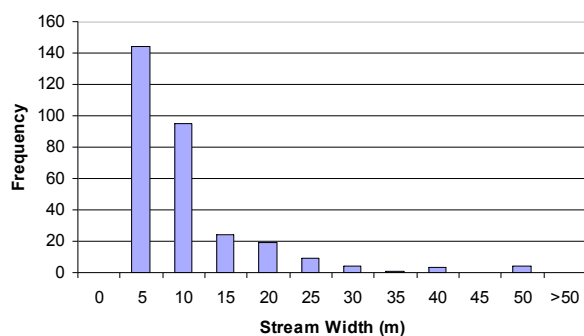


c) Substrate Particle Size

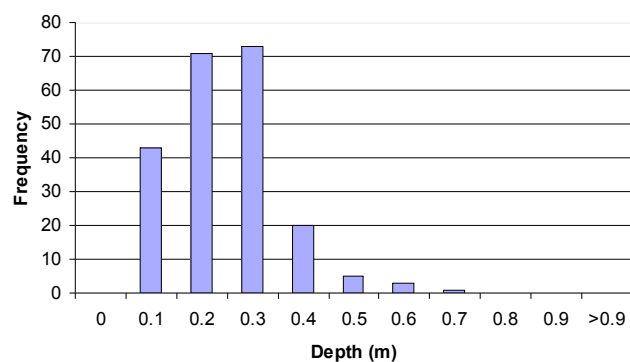




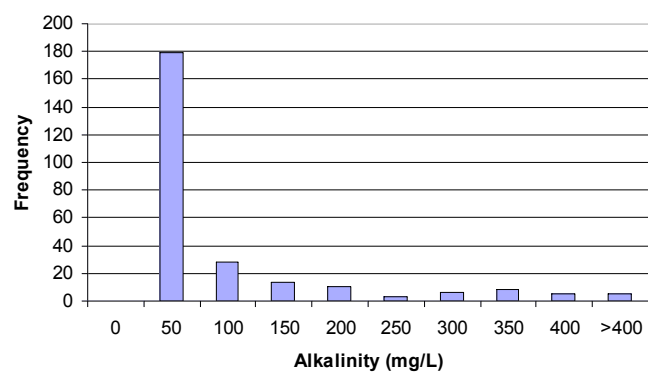
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

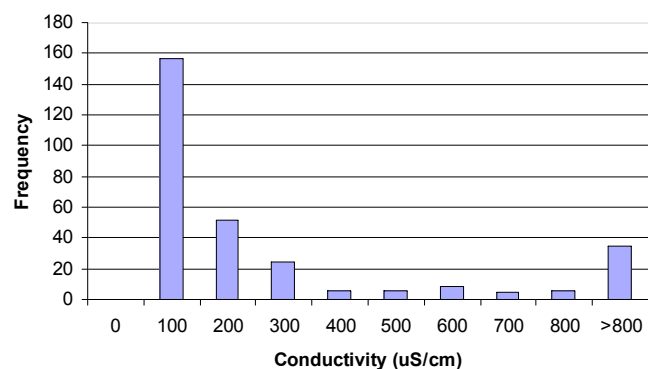




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Centroptilum* spp. (N= number of records).

	Mean	Median	Range	N
Altitude (m)	293.2	240	5-1060	451
Distance from source (km)	43.4	19.9	0.61-533	451
Stream width (m)	8.5	6	0.7-50	303
Stream Depth (m)	0.21	0.20	0.01-0.65	216
Water temperature (°C)	16.3	15.7	7.4-33.4	257
Conductivity (µS/cm)	1296	99.7	1-140000	299
pH	7.5	7.5	4.9-9.2	254
Turbidity (NTU)	9.5	3.1	0.2-385	234
NO ₃ -N (mg/L)	0.140	0.018	0.003-4.00	220
Total N (mg/L)	0.870	0.540	0.210-5.475	56
Total P (mg/L)	0.082	0.016	0.003-3.60	238
Alkalinity (mg/L)	72.0	30.0	4-460	258