



Family Baetidae

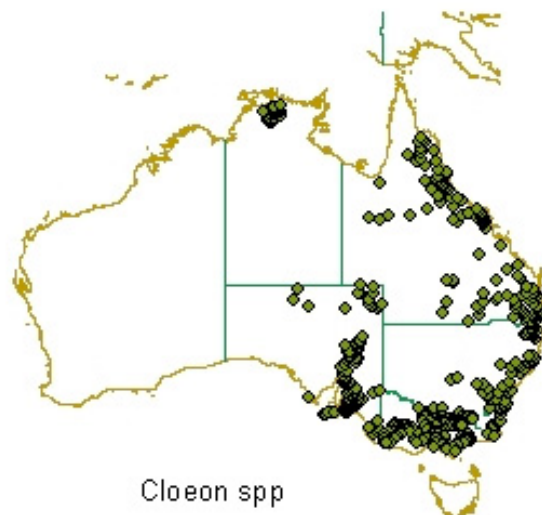
Habitat Profile for *Cloeon* spp.

Cloeon spp was widespread streams in all states and territories. There was more than one species of *Cloeon* in the samples, but the taxonomic resolution of this genus is such that reliable characters for separation of species have not yet been determined. Therefore only the generic profile is given.

Cloeon spp was generally recorded in sweep, edge and macrophyte habitat samples from lowland streams generally below 500 m altitude (Chart a), < 160 km from the source (Chart b), with predominantly sand and silt substrate with <20% detritus cover (Chart c). The streams were between 0.5-100 m wide (Chart d) and less than 1m deep (Chart e), with low to moderate alkalinity between 4-673 mg/L (Chart f) and low to very high conductivity between 12-111,050µS/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 7.6-35.7 °C, wide pH range between 5.5-9.6, and low to high turbidity 0.05-420 NTU.

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



Distribution of *Cloeon* spp in Australia

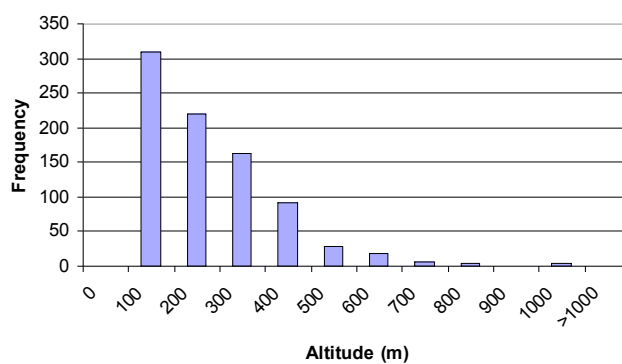


Cloeon, nymph and typical habitat

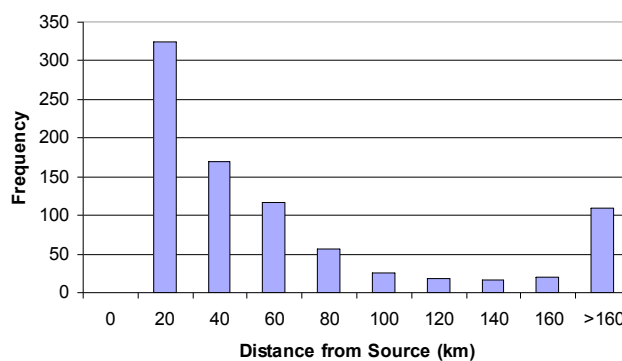


Charts for *Cloeon* spp

a) Altitude

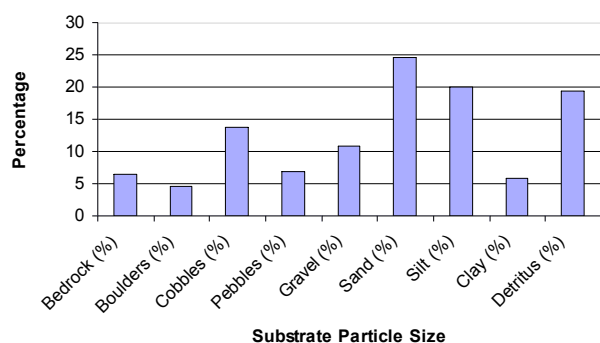


b) Distance from source

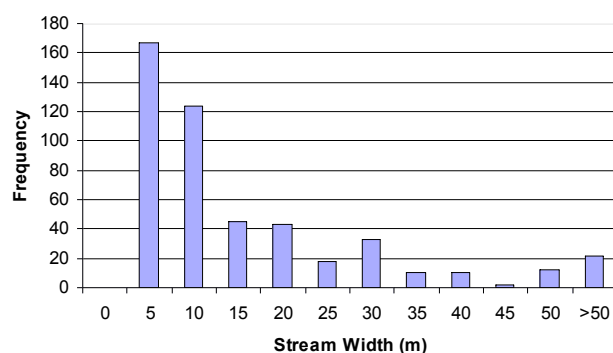




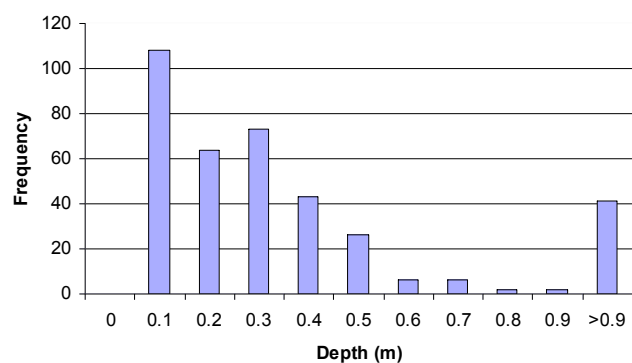
c) Substrate Particle Size



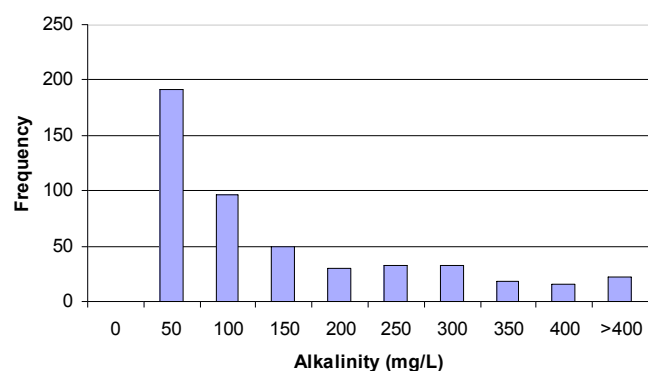
d) Stream Width



e) Depth



f) Alkalinity





g) Conductivity

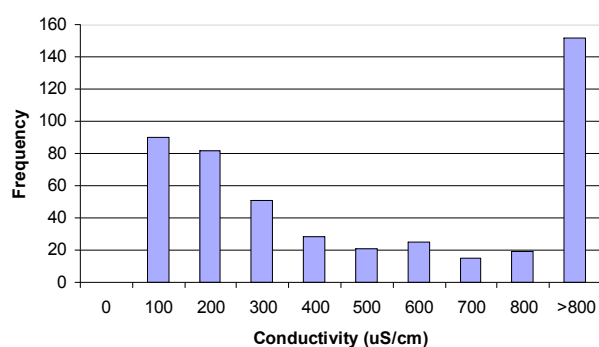


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Cloeon* spp (N= number of records).

	Mean	Median	Range	N
Altitude (m)	184	160	2.3-950	847
Distance from source (km)	76	31	0.3-936	859
Stream width (m)	15.3	8	0.5-100	486
Stream Depth (m)	0.32	0.25	0.01-1.0	371
Water temperature (°C)	19.6	18.8	7.6-35.7	487
Conductivity (µS/cm)	1500	350	12-111050	483
pH	7.7	7.7	5.5-9.6	487
Turbidity (NTU)	19.5	4.0	0.05-420	473
NO ₃ -N (mg/L)	0.332	0.025	0.003-8.5	295
Total N (mg/L)	0.664	0.410	0.01-33.7	323
Total P (mg/L)	0.114	0.030	0.004-9.35	477
Alkalinity (mg/L)	126.2	70	4.1-673	485