



## Family Baetidae

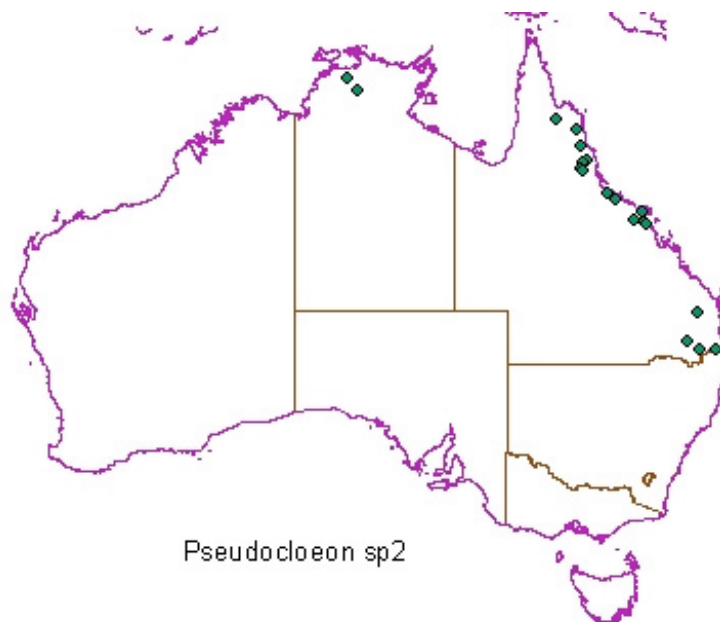
### Habitat Profile for *Pseudocloeon* sp2

*Pseudocloeon* sp2 had a northern distribution along the east coast drainage in northern Queensland and in the Northern Territory, being recorded from 19 samples.

*Pseudocloeon* sp2 was generally recorded in combined, riffle and edge habitat samples from streams generally below 200 m altitude (Chart a), < 120 km from the source (Chart b), with predominantly sand, cobbles and gravel substrate with <20% detritus cover (Chart c). The streams were small between 1-10 m wide (Chart d) and less than 0.7m deep (Chart e), with low alkalinity between 4-138 mg/L (Chart f) and low conductivity between 47-451  $\mu$ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 18.7-30.8 °C, pH circum-neutral, mostly in range of 6.2-7.7, and low turbidity 0.5-26 NTU.

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



Distribution of *Pseudocloeon* sp2

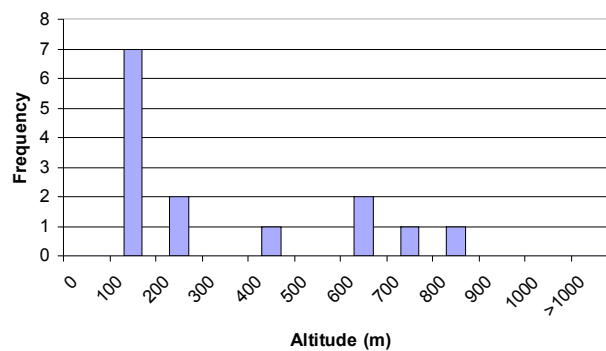


Typical habitat of *Pseudocloeon* sp2

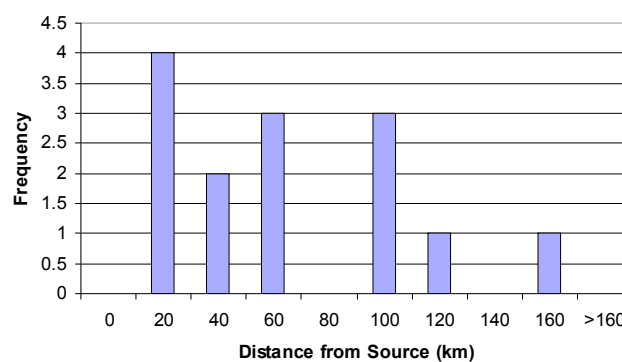


Charts for *Pseudocloeon* sp 2

a) Altitude

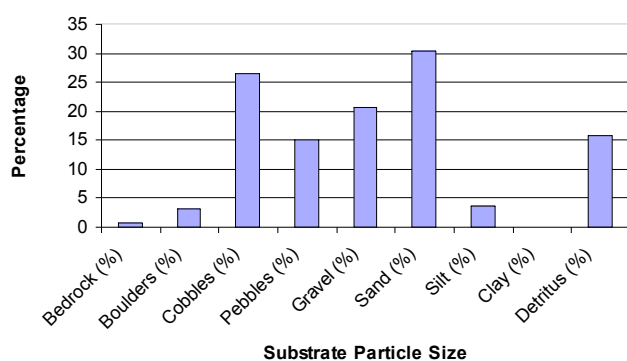


b) Distance from source

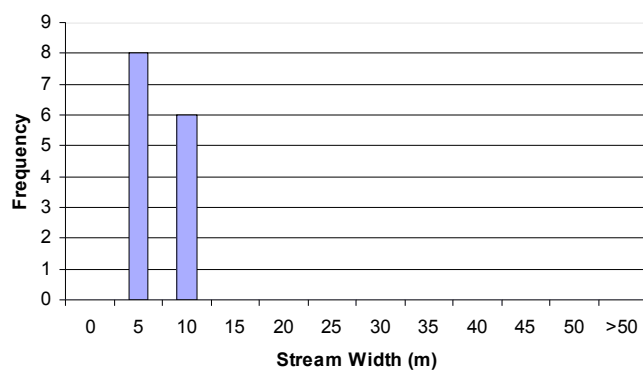




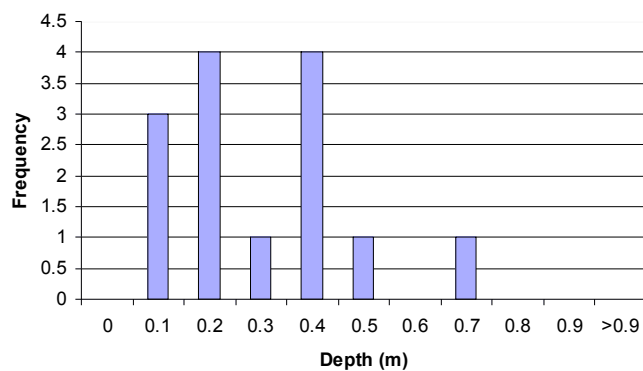
c) Substrate Particle Size



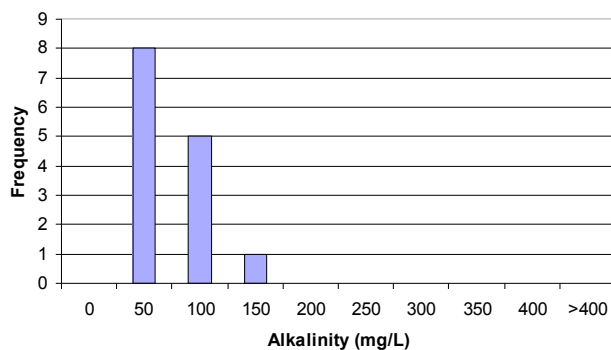
d) Stream Width



e) Depth

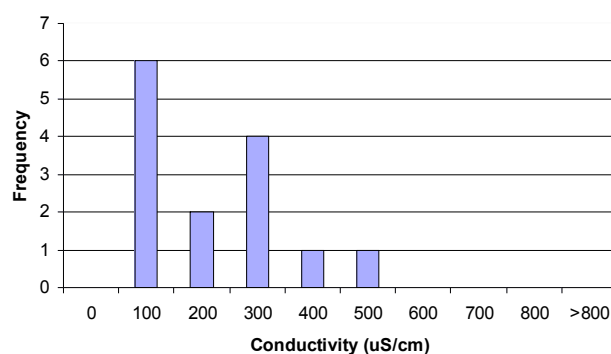


f) Alkalinity





g) Conductivity



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Pseudocloeon* sp 2 (N= number of records).

|                           | Mean  | Median | Range      | N  |
|---------------------------|-------|--------|------------|----|
| Altitude (m)              | 253   | 115    | 10-780     | 14 |
| Distance from source (km) | 57.6  | 45.6   | 8-152      | 14 |
| Stream width (m)          | 5.5   | 5.0    | 1-10       | 14 |
| Stream Depth (m)          | 0.27  | 0.20   | 0.06-0.70  | 14 |
| Water temperature (°C)    | 24.7  | 25.5   | 18.7-30.8  | 14 |
| Conductivity (µS/cm)      | 165   | 108    | 47.1-451   | 14 |
| pH                        | 7.2   | 7.3    | 6.2-7.7    | 14 |
| Turbidity (NTU)           | 6.9   | 5.1    | 0.5-26     | 14 |
| NO <sub>3</sub> -N (mg/L) |       |        |            |    |
| Total N (mg/L)            | 0.506 | 0.365  | 0.080-2.50 | 14 |
| Total P (mg/L)            | 0.139 | 0.026  | 0.009-1.60 | 14 |
| Alkalinity (mg/L)         | 43.6  | 37.0   | 4.1-138    | 14 |