



## Family Baetidae

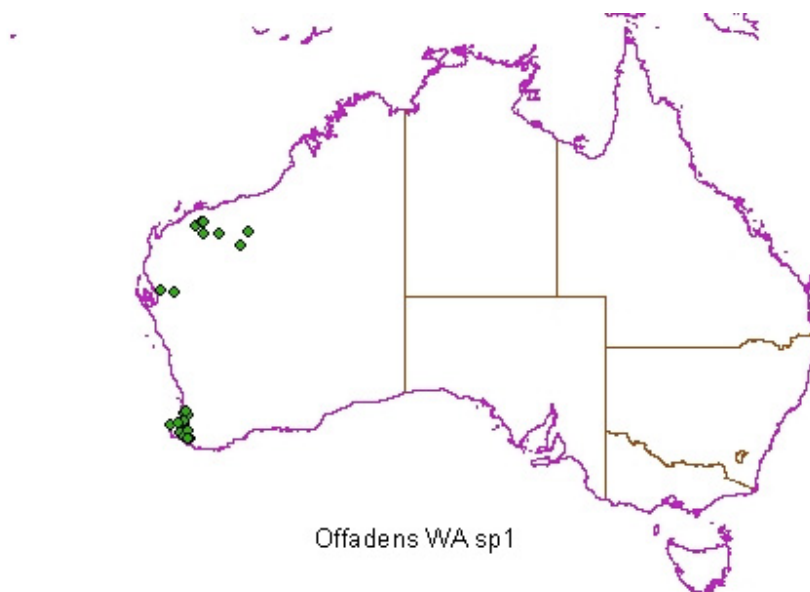
### Habitat Profile for *Offadens* WA sp1

*Offadens* WA sp1 was recorded from the south east of Western Australia to the Pilbara and was recorded from 23 samples in Western Australia. Suter (1997) recorded this species from North West Western Australia.

*Offadens* WA sp 1 was generally recorded in lowland streams below 300 m altitude (Chart a), < 60 km from the source (Chart b), with predominantly sandy substrate with 20% detritus cover (Chart c). The streams were between 1-20 m wide (Chart d, with low to moderate alkalinity between 8-500 mg/L (Chart e) and moderate to high conductivity between 165-1060 $\mu$ S/cm (Chart f).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 9-29.6 °C, wide range of pH from 6.4-10.2, and low turbidity 0.2-21 NTU.

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



Distribution of *Offadens* WA sp1 in Australia

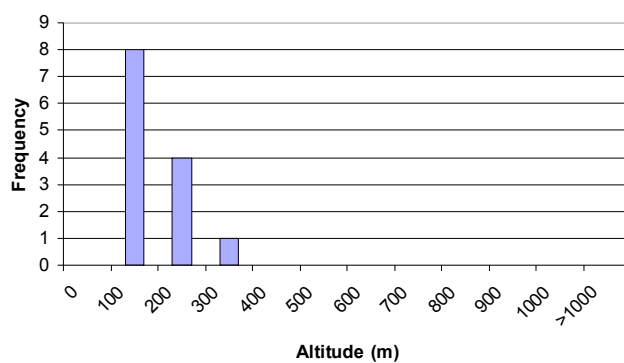


*Offadens* WA sp 1, nymph and typical habitat

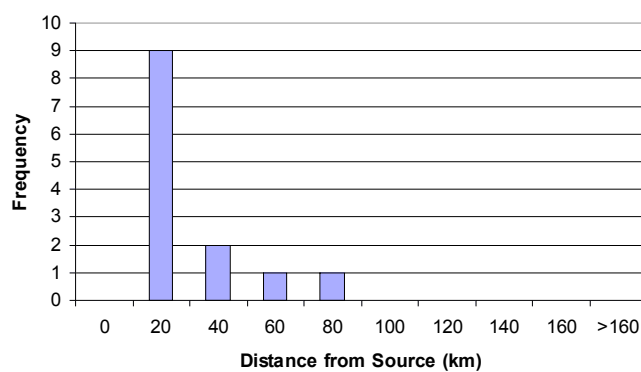


Charts for *Offadens* WA sp 1

a) Altitude

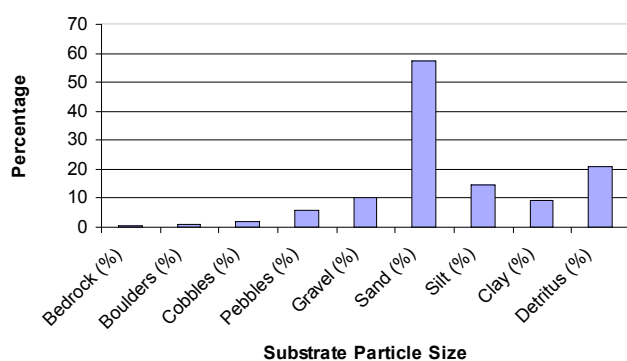


b) Distance from source

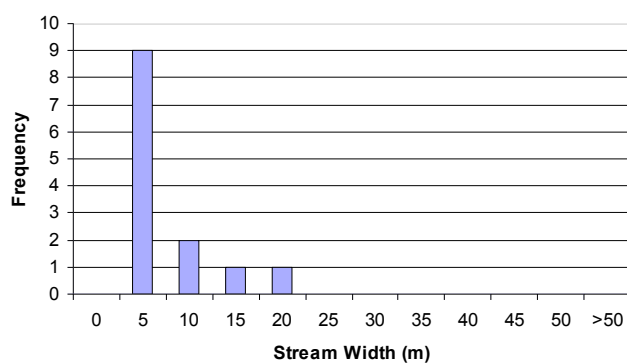




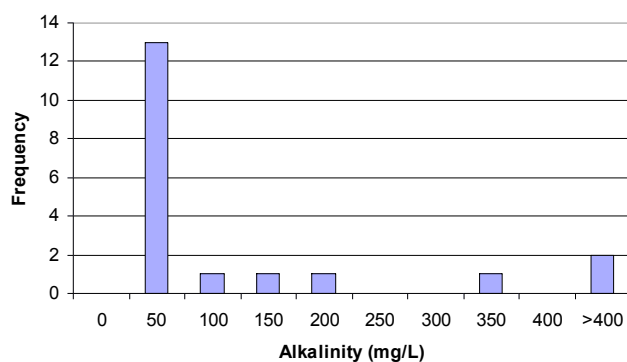
c) Substrate Particle Size



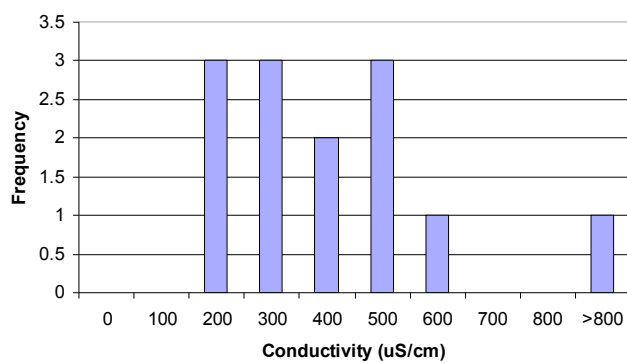
d) Stream Width



e) Alkalinity



f) Conductivity





**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Offadens* WA sp1 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	95.6	70	10-300	13
Distance from source (km)	20.2	17	2-60	13
Stream width (m)	6.1	4.0	1.5-20	13
Stream Depth (m)				
Water temperature (°C)	16.2	14.2	9.0-29.6	19
Conductivity (µS/cm)	384	326	165-1060	13
pH	7.5	7.1	6.4-10.2	19
Turbidity (NTU)	5.8	3.0	0.2-21	19
NO <sub>3</sub> -N (mg/L)	0.194	0.180	0.020-0.510	13
Total N (mg/L)	0.398	0.380	0.070-1.100	19
Total P (mg/L)	0.021	0.010	0.005-0.150	19
Alkalinity (mg/L)	107.8	35.0	8-550	13

## References

Suter PJ (1997) 'Preliminary Guide to the identification of nymphs of Australian Baetid Mayflies (Insecta : Ephemeroptera) found in flowing waters. Identification Guide No. 14.' ( Co-operative Research Centre for Freshwater Ecology: Albury)