



Family Baetidae

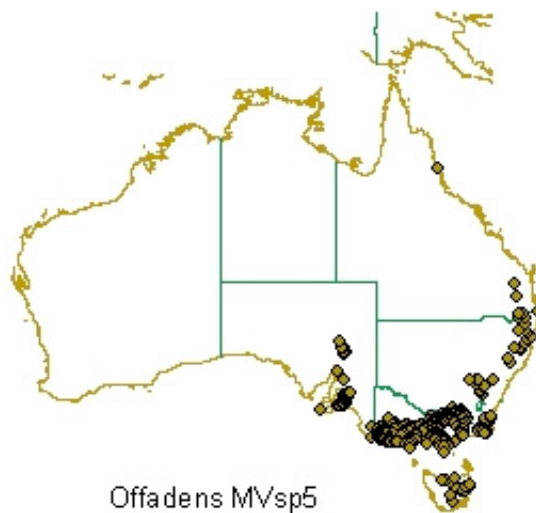
Habitat Profile for *Offadens* MVsp5

Offadens MVsp5 was one of the most widespread baetid mayflies being recorded from 661 samples in Tasmania, Victoria, South Australia, New South Wales to northern Queensland. This distribution is consistent with that recorded by Suter (1997) and Suter (2002) although there were many more locations in this study.

Offadens MVsp5 was generally recorded in all sample habitats (combined, riffle, kick, sweep and edge) from streams below 600 m altitude (Chart a), < 80 km from the source (Chart b), with predominantly cobbles on sand substrate with <15% detritus cover (Chart c). The streams were between 0.7-120 m wide (Chart d) and less than 0.6 m deep (Chart e), with low to moderate alkalinity between 3-673 mg/L (Chart f) and low to very high conductivity generally below 300 μ S/cm but as high as 14000 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 8-28.9 °C, pH range was wide and circum-neutral, between 4.4.-9.3, and turbidity was low to very high between 0.1-2050 NTU.

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



Distribution of *Offadens* MVsp5 in Australia.

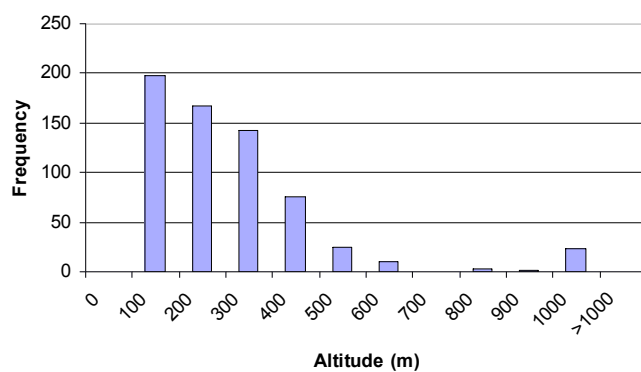


Offadens MVsp5, nymph and typical habitat

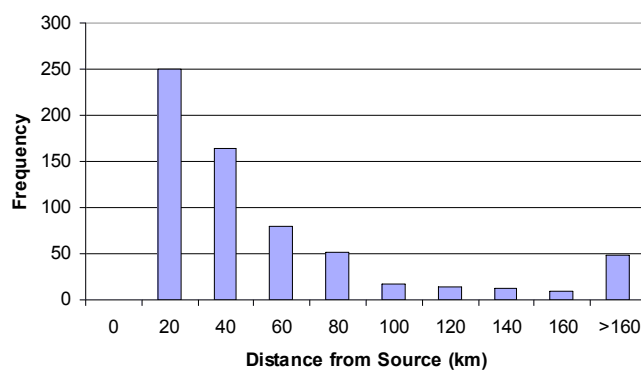


Charts for *Offadens* MVsp5

a) Altitude

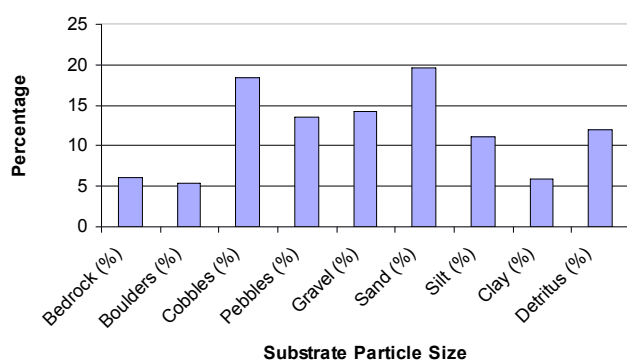


b) Distance from source

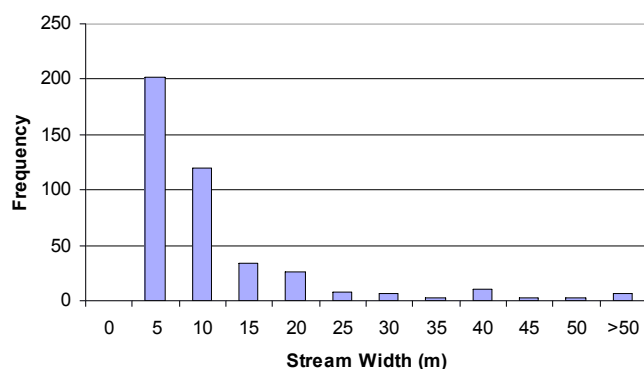




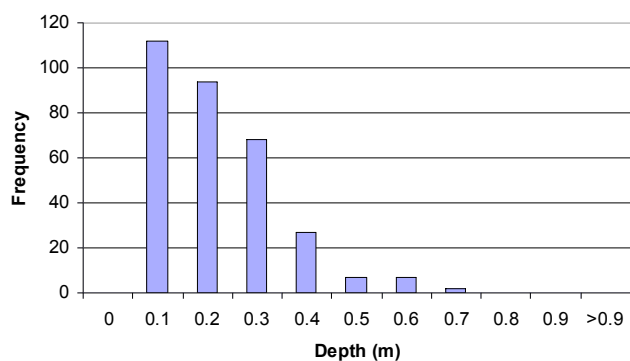
c) Substrate Particle Size



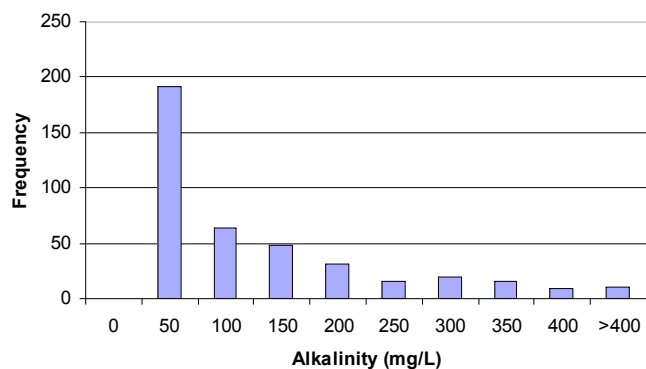
d) Stream Width



e) Depth



f) Alkalinity





g) Conductivity

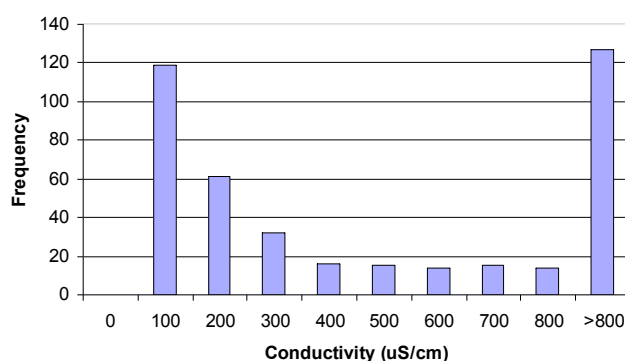


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Offadens* MVsp5 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	220	188	5-990	646
Distance from source (km)	53	28	0.7-533	647
Stream width (m)	9.7	6.0	0.7-120	420
Stream depth (cm)	0.17	0.16	0.01-0.65	317
Water temperature (°C)	16.5	16.1	8.0-28.9	407
Conductivity (µS/cm)	1749	270	3-14000	413
pH	7.6	7.6	4.4-9.3	404
Turbidity (NTU)	20.6	4.5	0.1-2050	395
NO ₃ -N (mg/L)	0.182	0.036	0.003-4.055	389
Total N (mg/L)	1.011	0.625	0.142-9.875	111
Total P (mg/L)	0.102	0.024	0.025-3.600	396
Alkalinity (mg/L)	107.7	58.0	3-673	405

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)

Suter PJ, Conrick D, Cockayne B, Choy S (2002) 'Habitat profiles of Queensland mayflies, families Baetidae, Caenidae and Prosopistomatidae.' (Cooperative Research Centre for Freshwater Ecology: Albury)