



Family Baetidae

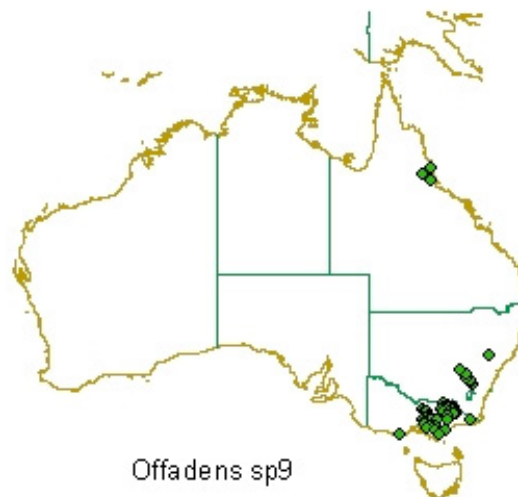
Habitat Profile for *Offadens* Qld sp9

Offadens Qld sp9 was widespread on the east coast drainage being recorded from 86 samples in Victoria, New South Wales and to northern Queensland. Suter *et al.* (2002) recorded this species only in northern Queensland, but the distribution has been increased in this study.

Offadens Qld sp9 was generally recorded in sweep, edge and some riffle habitat samples from streams generally below 500 m altitude (Chart a), < 100 km from the source (Chart b), with predominantly cobbles, gravel and sand substrate with <5% detritus cover (Chart c). The streams were between 1-95 m wide (Chart d) and less than 0.7m deep (Chart e), with low alkalinity between 7-170 mg/L (Chart f) and low to high conductivity generally below 300 μ S/cm but as high as 5600 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 7.7-33.1 °C, pH circum-neutral, mostly in range of 6.3-8.4, and low to moderate turbidity 0.4-222 NTU.

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



Distribution of *Offadens* sp9 in Australia

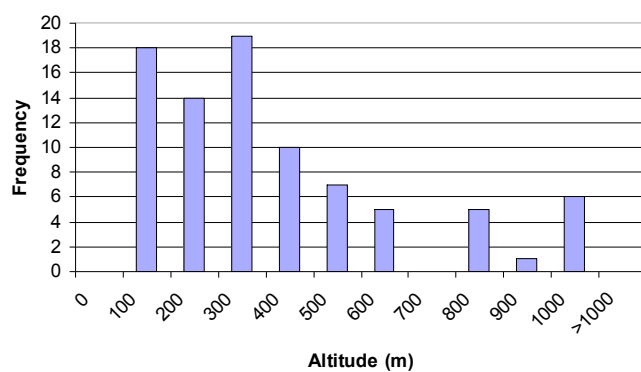


Offadens sp9 in Australia

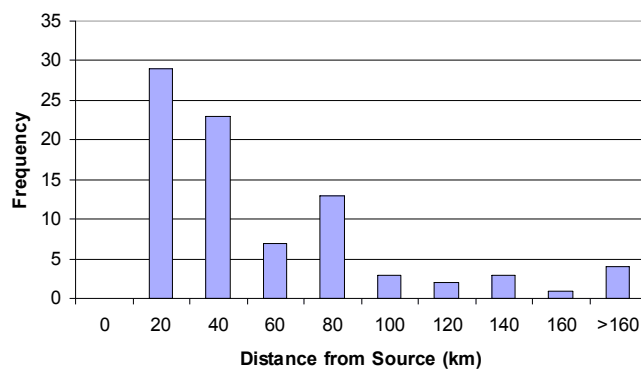


Charts for *Offadens* sp9

a) Altitude

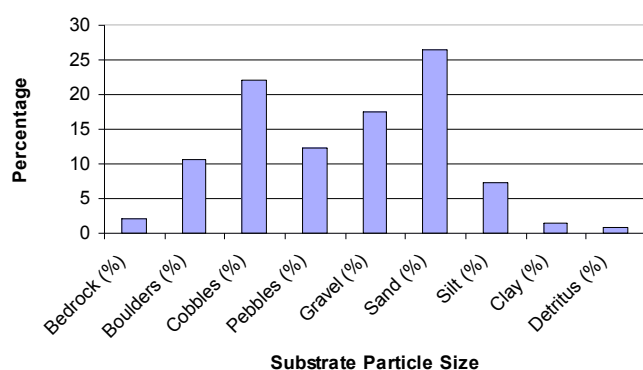


b) Distance from source

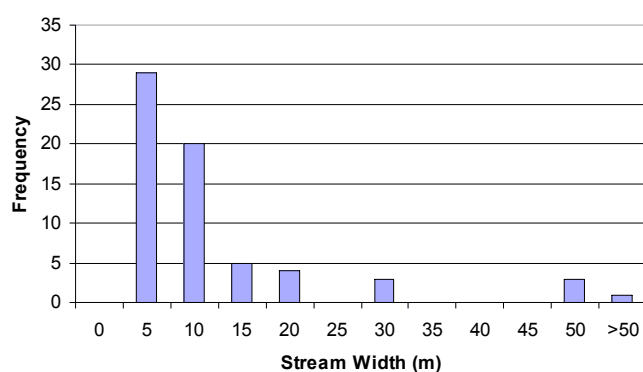




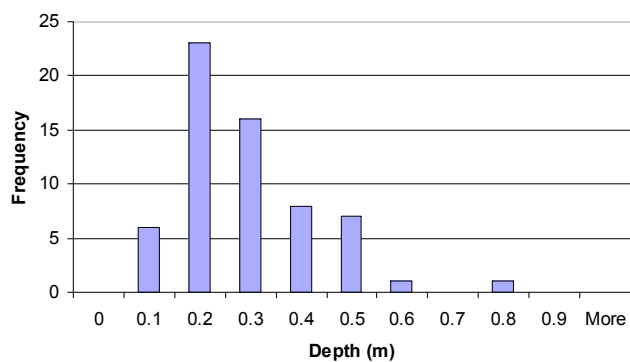
c) Substrate Particle Size



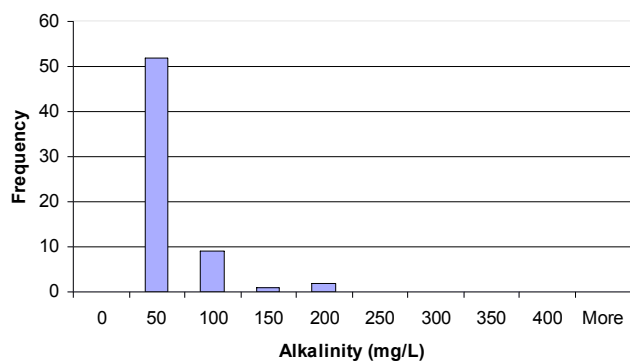
d) Stream Width



e) Depth



f) Alkalinity





g) Conductivity

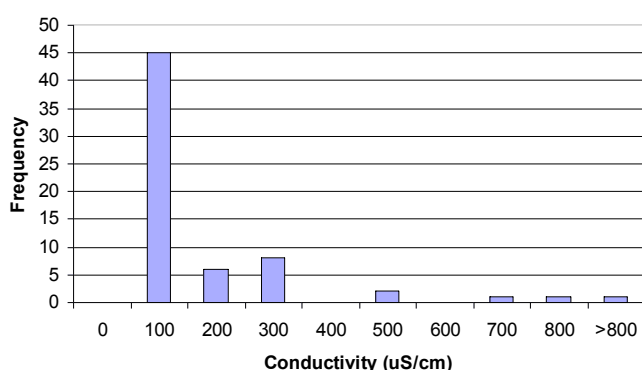


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Offadens* Qld sp9 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	337	265	10-980	85
Distance from source (km)	54	31	3.3-419.8	85
Stream width (m)	11.5	6	1-95	65
Stream Depth (m)	0.25	0.23	0.01-0.71	62
Water temperature (°C)	15.5	15.5	7.7-33.1	65
Conductivity (µS/cm)	196	53.2	3.2-5600	64
pH	7.5	7.6	6.3-8.4	65
Turbidity (NTU)	6.3	2.1	0.38-222	64
NO ₃ -N (mg/L)	0.130	0.023	0.003-1.80	58
Total N (mg/L)				
Total P (mg/L)	0.025	0.014	0.005-0.190	64
Alkalinity (mg/L)	35.4	24.0	7-170	64

References

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)