



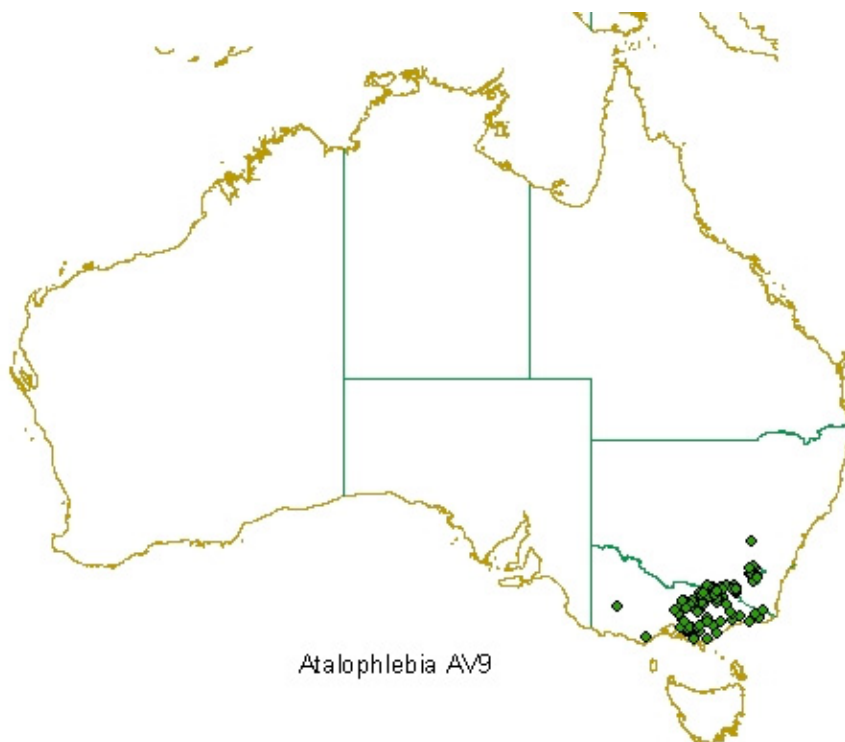
## Family Leptophlebiidae Habitat Profile for *Atalophlebia* AV9

*Atalophlebia* sp. AV9 was recorded from 158 ACT, New South Wales and Victorian localities in this study.

In this study, *Atalophlebia* sp. AV9 was only recorded in edge habitat samples from streams from 10-550m altitude (Chart a), between 3-220 km from the source (Chart b), with predominantly medium substrates of cobble, pebble, sand and gravel (Chart c). The streams width varied between 1-70 m (Chart d), and depth was generally <0.3m (Chart e). The pH varied between 6 and 9 with low to moderate alkalinity between 5-250mg/L (Chart f) and low conductivity mainly in the range 3.2-5600  $\mu$ S/cm (Chart g).

The following generalities can be made about the other parameters listed in theTable: low turbidity 0.3-41.5 NTU, water temperature between 5.4 and 28.7.

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



Distribution of *Atalophlebia* AV9 in Australia.

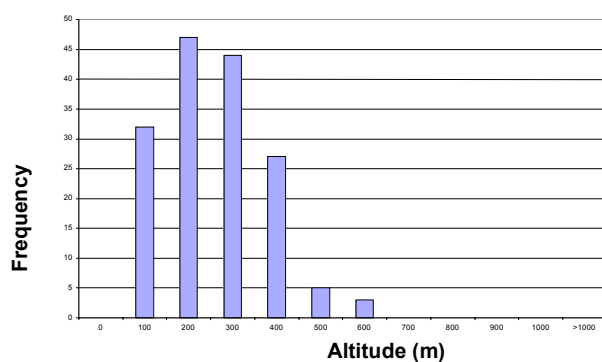


*Atalophlebia* AV9, nymph and typical habitat

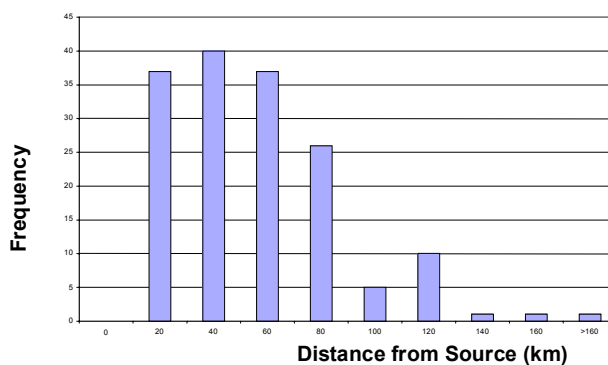


Charts for *Atalophlebia* AV9

a) Altitude

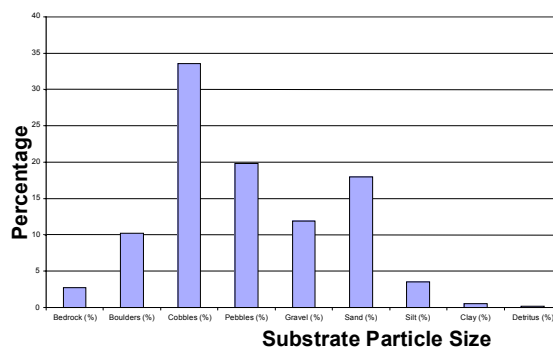


b) Distance from source

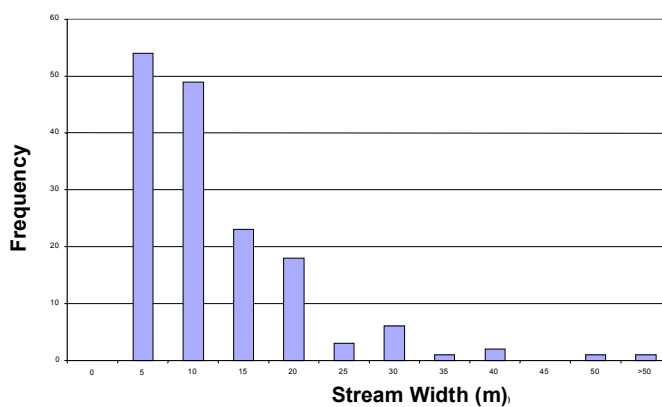




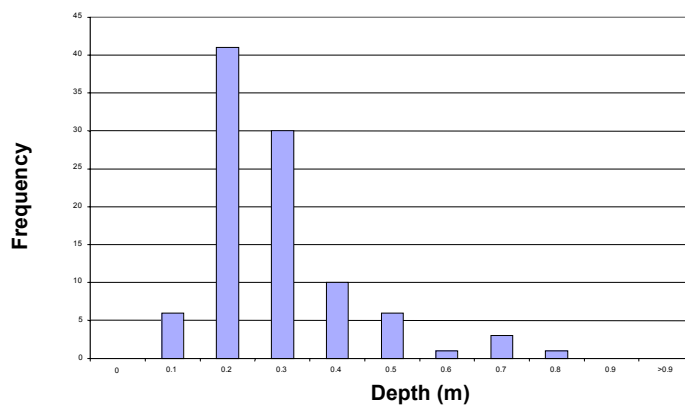
c) Substrate Particle Size



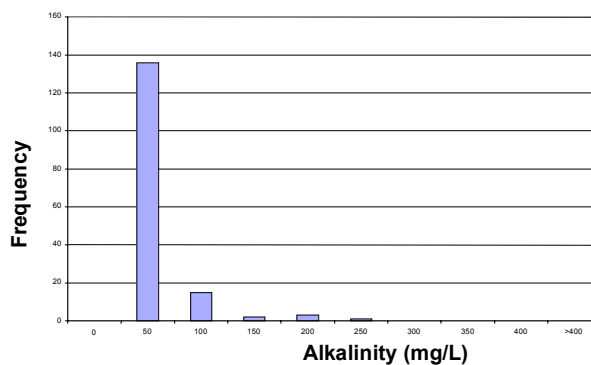
d) Stream Width



e) Depth

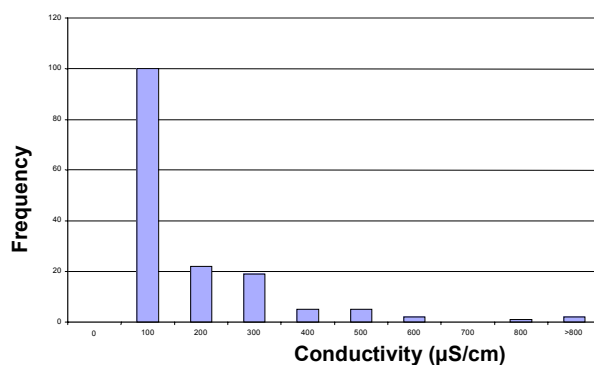


f) Alkalinity





g) Conductivity



**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Atalophlebia* sp. AV9 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	218	205	10-550	159
Distance from source (km)	46	160.2	100-220.4	158
Stream width (m)	11	8	1-70	158
Stream depth (m)	24.2	20.8	7.7-71	98
Water temperature	17.1	17.0	5.4-28.7	158
Conductivity (uS/cm)	191	72	3.2-5600	156
pH	7.5	7.5	6.1-8.9	158
Turbidity (NTU)	5.6	4.1	0.3-41.5	149
NO <sub>3</sub> -N (mg/L)	0.134	0.06	0.003-1.00	141
Total N (mg/L)				
Total P (mg/L)	0.035	0.025	0.005-0.510	149
Alkalinity (mg/L)	35.0	26.5	5-250	156