



Family Leptophlebiidae

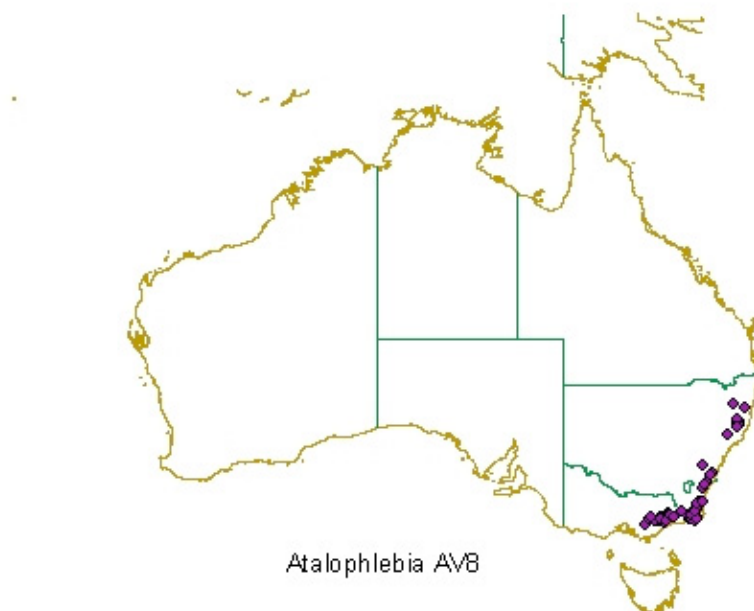
Habitat Profile for *Atalophlebia* AV8

Atalophlebia AV8 was recorded from 68 samples from eastern draining streams in New South Wales and in the Gippsland streams in Victoria.

In this study, *Atalophlebia* sp. AV8 was recorded in sweep and edge habitat samples from streams below 380 m altitude (Chart a), < 110 km from the source (Chart b), with predominantly cobble substrate, with bedrock, sand, pebble and gravel also common substrates, and with low to medium detritus cover (Chart c). The streams were generally <20 m wide (Chart d), <0.5 m deep (Chart e), with alkalinity between 10-65 mg/L (Chart f) and conductivity 20-230 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: pH mostly slightly alkaline, ranging from 6.4-8.3 and low turbidity (<14 NTU).

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



Distribution of *Atalophlebia* AV8 in Australia.

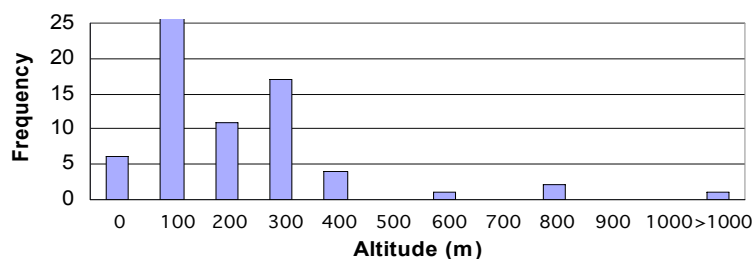


Typical habitat for *Atalophlebia* AV8

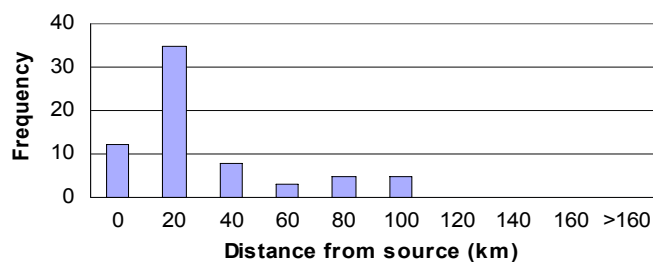


Charts for *Atalophlebia* AV8

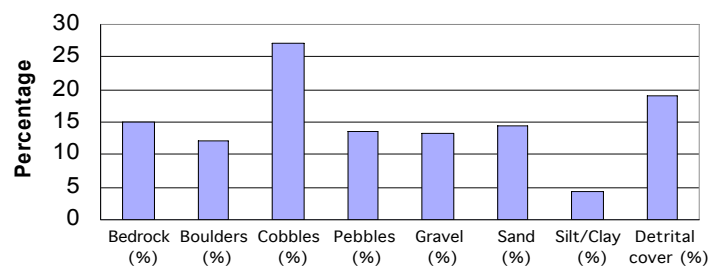
a) Altitude



b) Distance from source

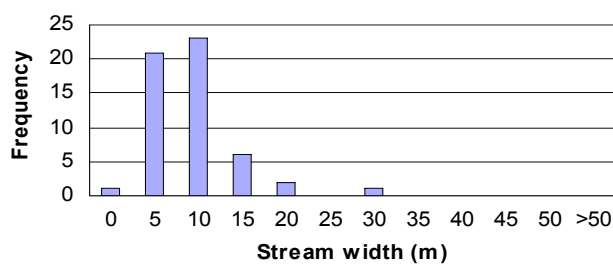


c) Substrate Particle Size

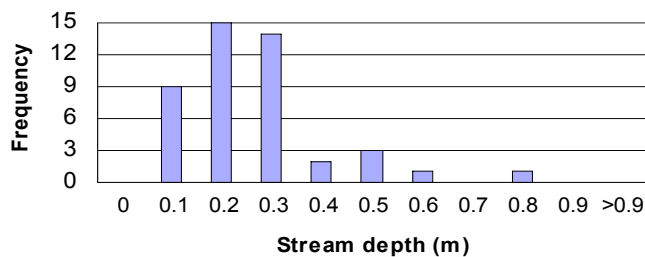




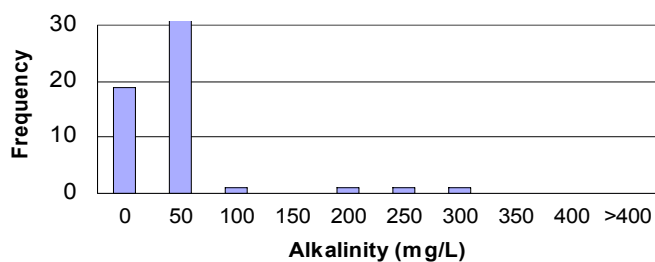
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

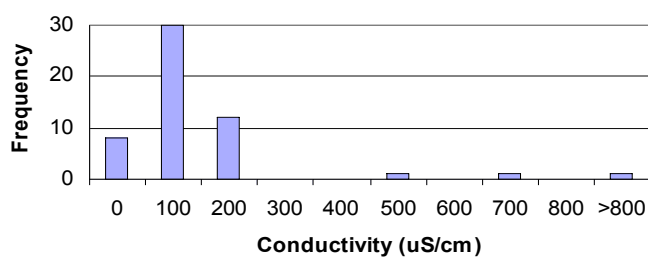




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Atalophlebia* sp. AV8 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	219	180	20-1060	68
Distance from source (km)	32.5	26.5	0.7-110	68
Stream width (m)	8.8	8.0	2.0-30	54
Stream depth (m)	0.26	0.23	0.06-0.8	45
Water temperature	16.8	17	8-24.0	53
Conductivity (µS/cm)	163	98	7-2273	53
pH	7.5	7.6	6.3-8.5	52
Turbidity (NTU)	3.9	1.7	0-33	52
NO ₃ -N (mg/L)	0.023	0.01	0.003-0.16	48
Total N (mg/L)	0.09	0	0-1.1	16
Total P (mg/L)	0.016	0.013	0.005-0.08	48
Alkalinity (mg/L)	43	30	7-320	54