



Family Leptophlebiidae

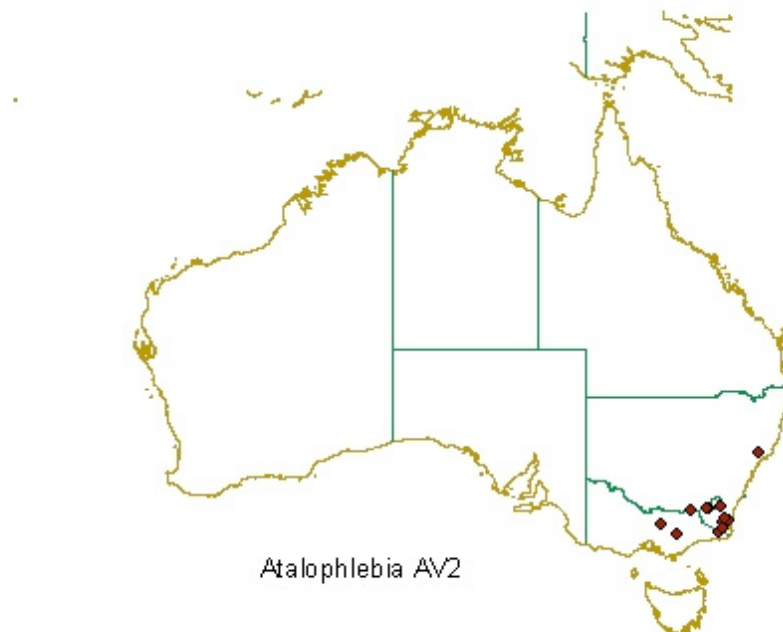
Habitat Profile for *Atalophlebia* AV2

Atalophlebia sp. AV2 was recorded from 12 Victorian, ACT and New South Wales localities in this study. The species also occurs in some Melbourne Water Supply Reservoirs (Dean, pers. obs), but these lentic bodies were not sampled as part of the National River Health Programme.

In this study, *Atalophlebia* sp. AV2 was generally recorded in edge and sweep habitat samples from streams between 220-540 m altitude (Chart 1), <23 km from the source (Chart b), with an even mix of sand, gravel, pebbles and bedrock substrate and with low to moderate detritus cover (Chart c). The streams were relatively narrow, <12 m wide (Chart d), mean water depth between 0.1-0.3 m (Chart e), low alkalinity between 12-36 mg/L (Chart f) and moderate conductivity ranging from 30-126 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 9-22.4 °C, pH mostly in range of 6.8-8.5 and low turbidity of <32 NTU.

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



Atalophlebia AV2

Distribution of *Atalophlebia* AV2 in Australia

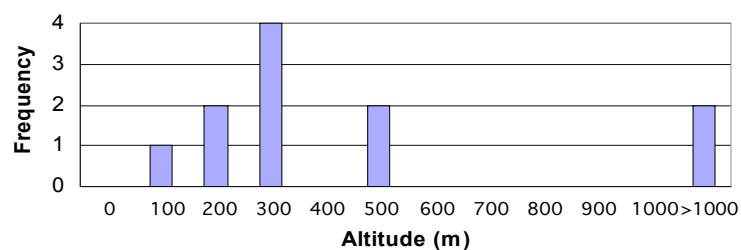


Typical Habitat for *Atalophlebia* AV2

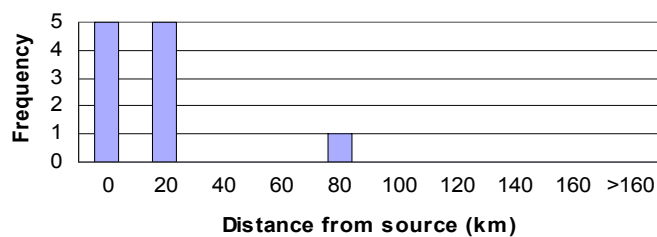


Charts for *Atalophlebia* AV2

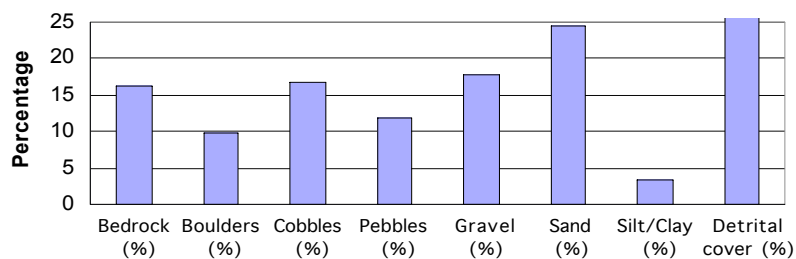
a) Altitude



b) Distance from source

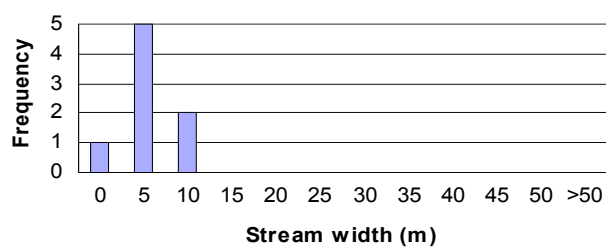


c) Substrate Particle Size

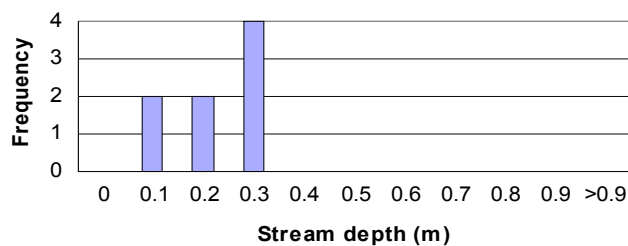




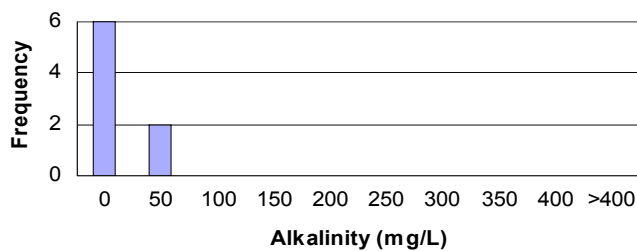
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

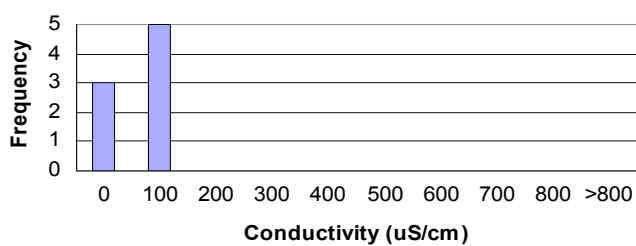




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Atalophlebia* sp. AV2 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	485	320	100-1360	11
Distance from source (km)	17.6	15.6	0.7-70	11
Stream width (m)	5.8	5.5	2-12	8
Stream depth (m)	0.22	0.225	0.1-0.3	8
Water temperature	16.3	16.6	9.1-22.4	8
Conductivity (µS/cm)	67	65	30-126	8
pH	7.3	7.2	6.8-8.5	8
Turbidity (NTU)	7.6	1.0	0-31.6	7
NO ₃ -N (mg/L)	0.09	0.01	0.003-0.64	8
Total N (mg/L)	0.42	0	0-0.25	6
Total P (mg/L)	0.04	0.01	0-0.28	8
Alkalinity (mg/L)	21	18	12-36	8