



## Family Leptophlebiidae

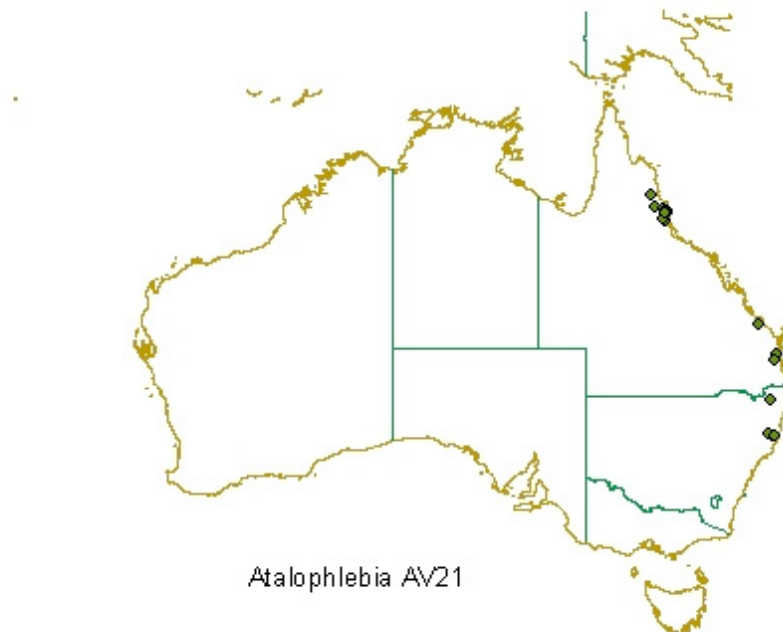
### Habitat Profile for *Atalophlebia* AV21

*Atalophlebia* sp. AV21 was recorded from 18 Queensland and New South Wales localities.

In this study, *Atalophlebia* sp. AV21 was generally recorded in edge habitat samples from streams <180 m altitude (Chart a), between 2.5-36 km from the source (Chart b), with predominantly small substrates of silt combined with larger boulders and cobbles, with detritus < 60% cover (Chart c), small to moderate stream width between 2-15 m (Chart c), stream depth between 0.2-0.5 m (Chart d), low to medium alkalinity between 10-68 mg/L (Chart e) and low to medium conductivity 19-260  $\mu$ S/cm (Chart f).

The following generalities can be made about the other parameters listed in the Table: water temperature range 15.5-23.2 °C, pH near neutral, in range of 6.3-7.7, and low turbidity (<30 NTU).

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



Distribution of *Atalophlebia* AV21 in Australia.

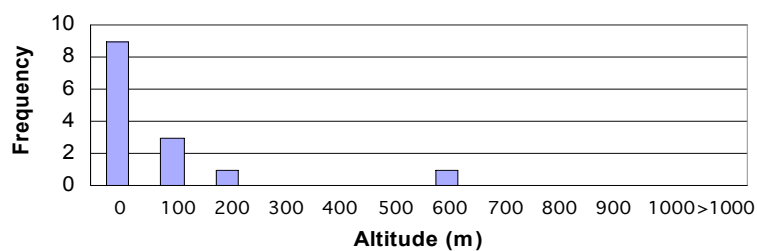


Typical habitat for *Atalophlebia* AV21

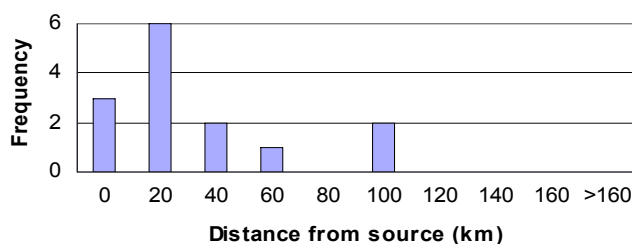


Charts for *Atalophlebia* AV21

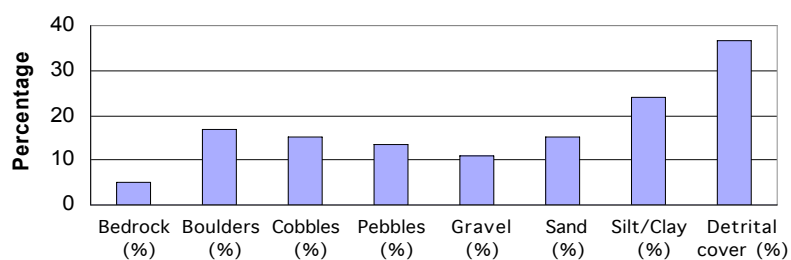
a) Altitude



b) Distance from source

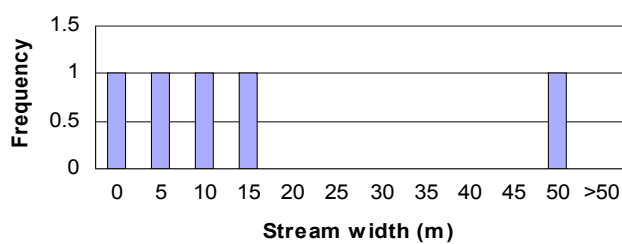


c) Substrate Particle Size

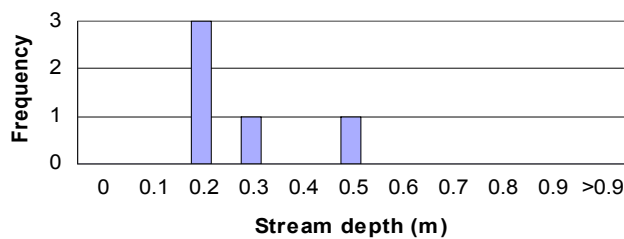




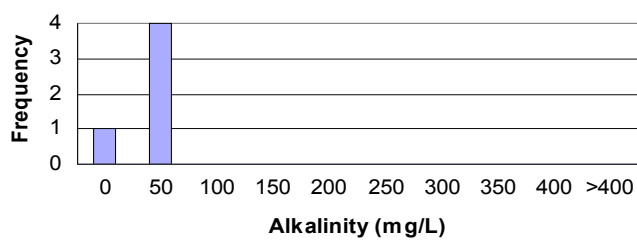
d) Stream Width



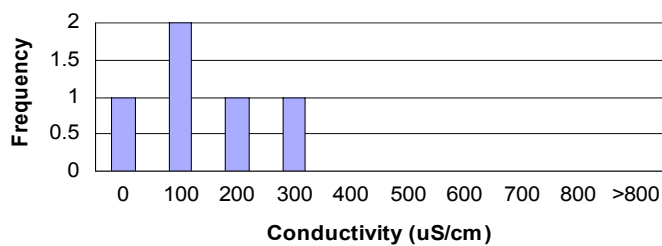
e) Depth



f) Alkalinity



g) Conductivity





**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Atalophlebia* sp. AV21 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	84	25	4-555	14
Distance from source (km)	32.7	24.8	2.5-106	14
Stream width (m)	16.3	11	2-50	5
Stream depth (m)	0.28	0.2	0.2-0.5	5
Water temperature	19.6	19.8	15.5-23.2	5
Conductivity (µS/cm)	142	126	19-260	5
pH	6.8	6.6	6.3-7.7	5
Turbidity (NTU)	8.3	3.0	0-30	5
NO <sub>3</sub> -N (mg/L)				
Total N (mg/L)				
Total P (mg/L)	1.32	1.32	0.04-2.6	2
Alkalinity (mg/L)	36	35	10-68	5