



Family Leptophlebiidae

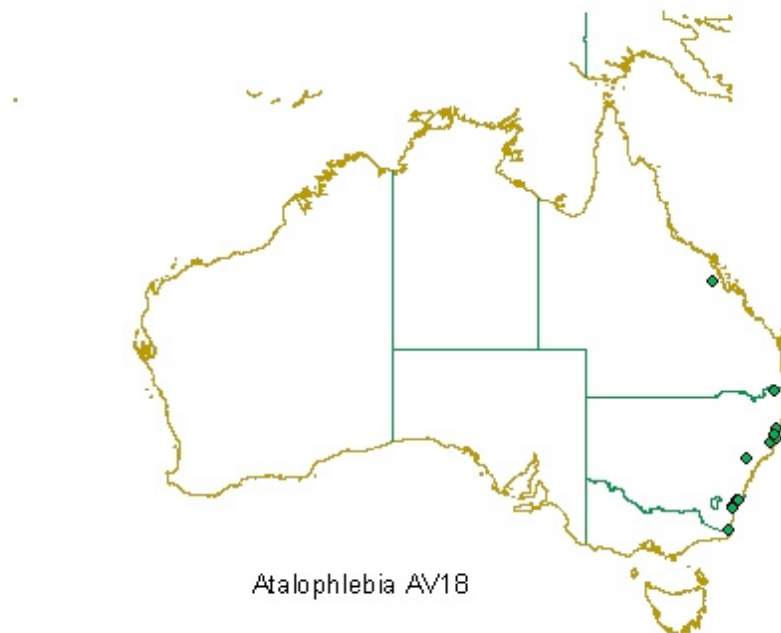
Habitat Profile for *Atalophlebia* AV18

Atalophlebia sp. AV18 was recorded from 15 New South Wales and Queensland localities in this study.

Atalophlebia sp. AV18 was recorded in edge habitat samples from streams <180 m altitude (Chart a), <18 km from the source (Chart b), with predominantly small substrates of silt/clay and sand with detritus < 70% cover (Chart c), small stream width between 1-3 m (Chart d), stream depth <0.5 m (Chart e), low alkalinity between 10-46 mg/L (Chart f) and medium conductivity 93-284 μ S/cm (Chart g).

The following generalities can be made about the other parameters listed in the Table: water temperature range 12-17 °C, pH slightly acidic, in range of 6-7, and low turbidity (<28 NTU).

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



Distribution of *Atalophlebia* AV18 in Australia

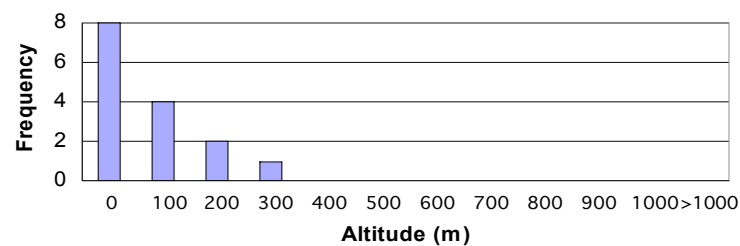


Atalophlebia AV18, typical habitat

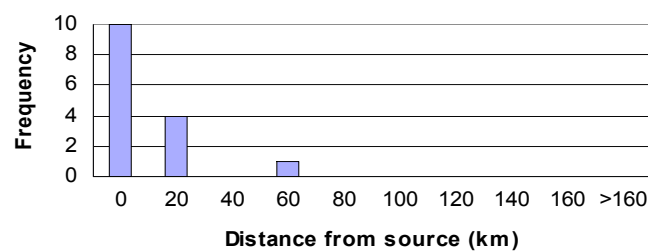


Charts for *Atalophlebia* AV18

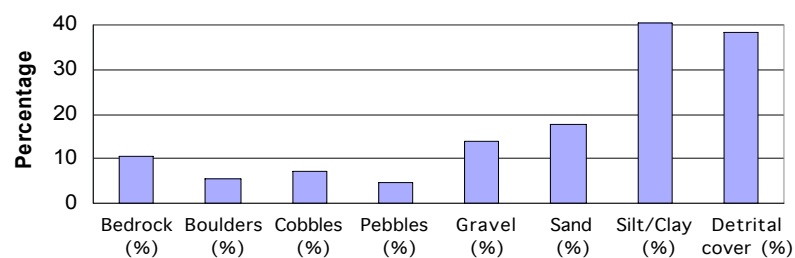
a) Altitude



b) Distance from source

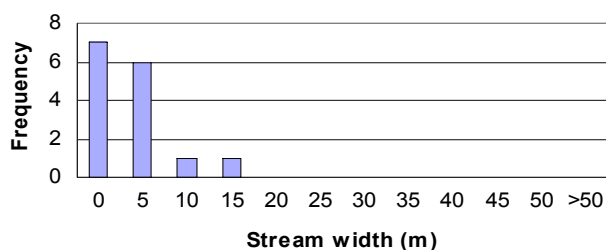


c) Substrate Particle Size

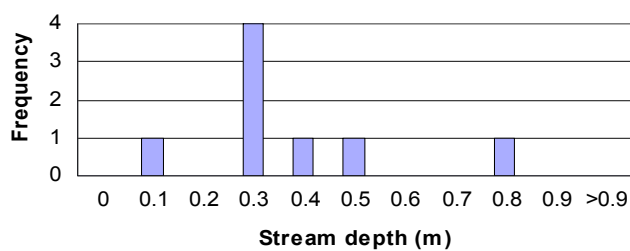




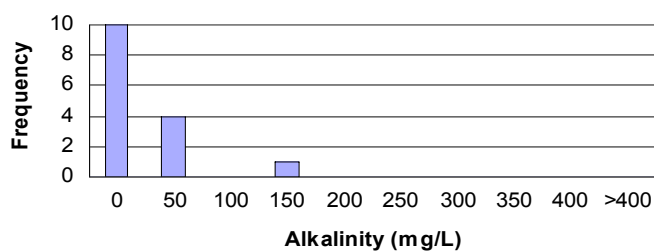
d) Stream Width



e) depth



f) Alkalinity



g) Conductivity

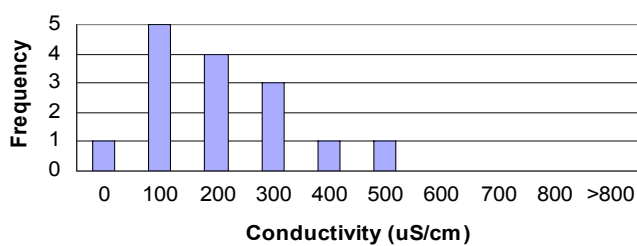




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Atalophlebia* sp. AV18 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	72	40	0-290	15
Distance from source (km)	10	5.1	1.8-56.5	15
Stream width (m)	3.7	2.5	1-15	15
Stream depth (m)	0.37	0.3	0.1-0.75	8
Water temperature	15	15.3	12.3-17	15
Conductivity (µS/cm)	204	172	42-469	15
pH	6.5	6.4	6-8.25	15
Turbidity (NTU)	19.4	17.1	4-100	15
NO ₃ -N (mg/L)	0.033	0.01	0.01-0.18	12
Total N (mg/L)	0.43	0.41	0-1.1	13
Total P (mg/L)	0.026	0.021	0.01-0.054	13
Alkalinity (mg/L)	27.8	19	10-128	15