



Family Leptophlebiidae

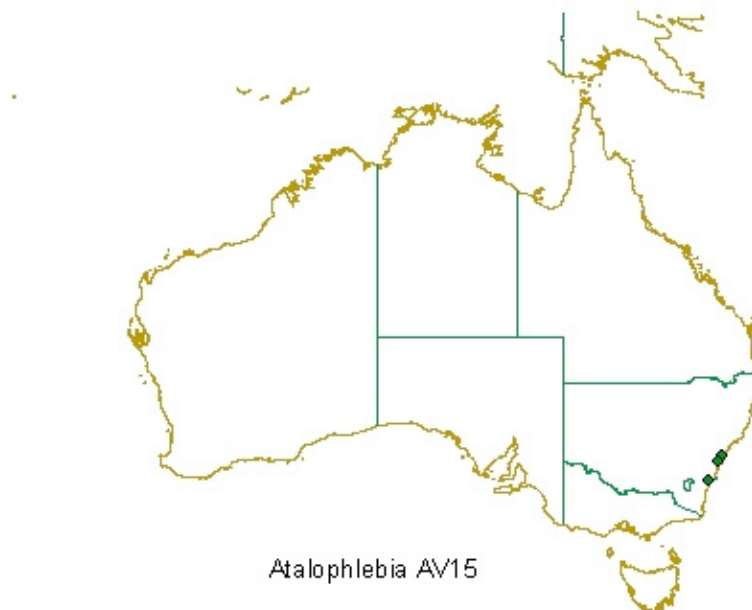
Habitat Profile for *Atalophlebia* AV15

Atalophlebia sp. AV15 was recorded from only 5 New South Wales localities.

In this study, *Atalophlebia* sp. AV15 was recorded in edge habitat samples from streams mainly between <70 m altitude, with dominant bedrock and sand substrates, small stream width <2 m, stream depth <0.3 m, alkalinity <50 mg/L and medium to high conductivity in the range 25-1900 μ S/cm.

The following generalities can be made about the other parameters listed in the Table: water temperature range 10.5-21 °C, pH slightly acidic, in range of 4.7-6.7, low turbidity (<6 NTU), and substrate with detritus < 80% cover.

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



Distribution of *Atalophlebia* AV15 in Australia.



Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Atalophlebia* sp. AV15 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	122	50	10-470	5
Distance from source (km)	1.1	0.6	0.6-1.9	5
Stream width (m)	1.3	1.0	1.0-2	5
Stream depth (m)	0.2	0.2	0.1-0.3	2
Water temperature	15.0	14.5	10.5-21	5
Conductivity (µS/cm)	499	164	25-1900	5
pH	5.2	4.9	4.7-6.7	5
Turbidity (NTU)	1.9	1.0	0-6	5
NO ₃ -N (mg/L)	0.01	0.01	0.01	4
Total N (mg/L)	0.08	0	0-0.33	4
Total P (mg/L)	0.01	0.01	0.01	4
Alkalinity (mg/L)	18	10	10-50	5