



Family Oniscigastridae

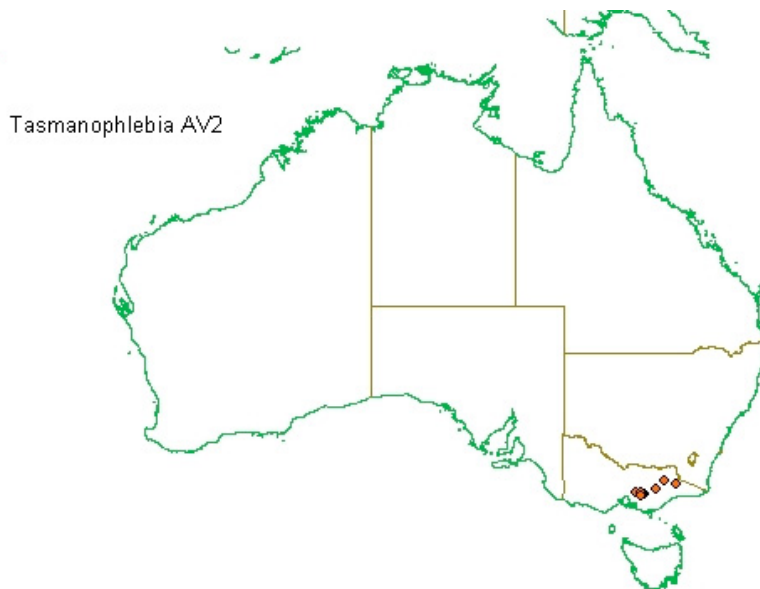
Habitat Profile for *Tasmanophlebia* AV2

Tasmanophlebia AV2 resembles *Tasmanophlebia* AV1 but does not have the extensive mottled markings present in *Tasmanophlebia* AV1. Unlike *Tasmanophlebia* AV1, *Tasmanophlebia* AV2 was restricted in its distribution to 21 samples from 11 sites in the great divide in Victoria. The two species were almost mutually exclusive with only 4 of the 11 sites with both species present.

Tasmanophlebia AV2 were all collected in sweep samples from slow flowing reaches of streams which were from a wide range of altitudes (200-1700m) but the majority of nymphs were collected from streams above 800m (Chart a) and close to their source (<15km) (Chart b). Substrate at the sites was dominated by sand (Chart c) and the samples were from depths <0.2m (Chart d). The pH was circum-neutral, turbidity was variable, alkalinity (Chart e) and conductivity (Chart f) were low.

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 6.8-15 °C, pH mostly in range of 6-8 and low turbidity of 0.4-83 NTU.

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



Distribution of *Tasmanophlebia* AV2 in Australia.

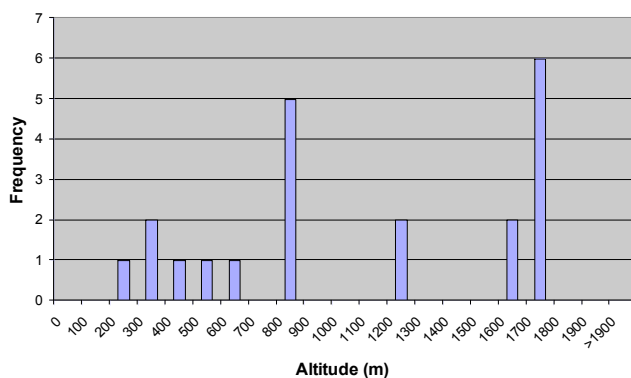


Tasmanophlebia AV2, nymph and typical habitat

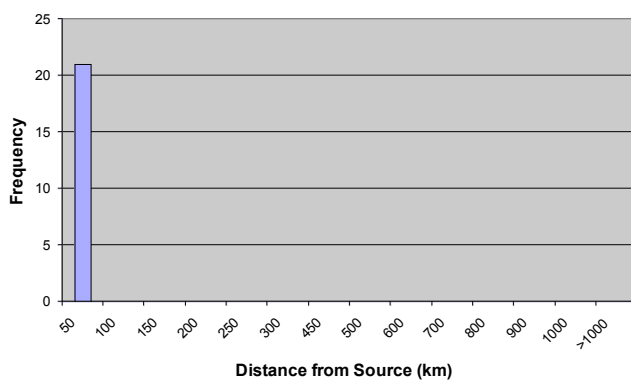


Charts for *Tasmanophlebia* AV2

a) Altitude

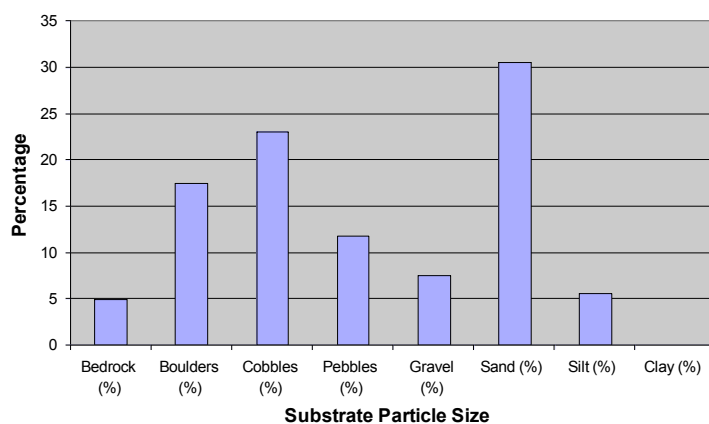


b) Distance from source

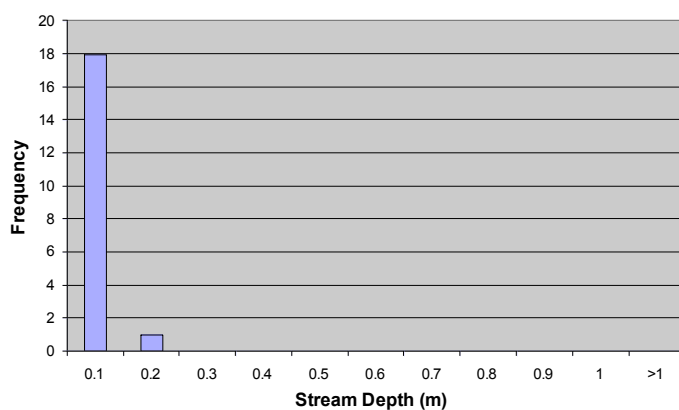




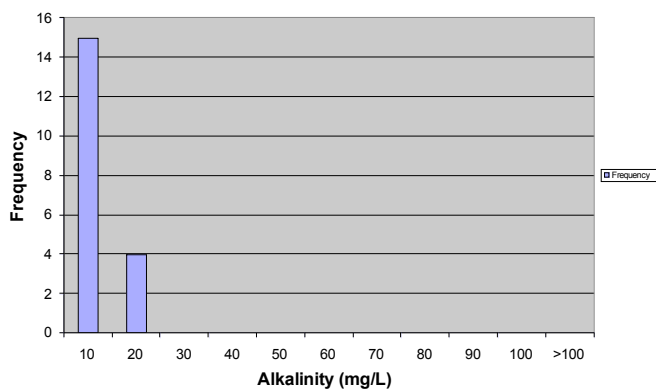
c) Substrate Particle Size



d) Depth



e) Alkalinity



f) Conductivity

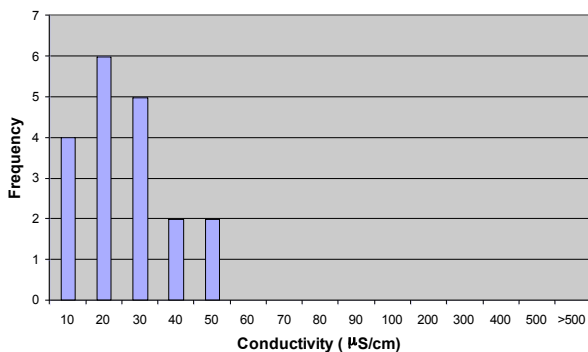




Table. Mean and median physical and chemical parameters for *Tasmanophlebia AV2*.

	Mean	Median	Range	n
Altitude (m)	1014	720	160-1700	21
Distance from source (km)	6.0	5.2	1-13.5	21
Width (m)				
Depth (m)	0.04	0.03	0.01-0.12	19
Water Temperature (°C)	10.4	10.6	6.8-15	19
Conductivity (µS/cm)	21.9	20	6-46.7	19
pH	7.2	7.3	6-8	19
Turbidity (NTU)	2.4	1.7	0.4-83	19
Oxidised Nitrogen (mg/L)	0.105	0.097	0-0.310	19
Total N (mg/L)				
Total P (mg/L)	0.013	0.011	0-0.050	19
Alkalinity (mg/L)	8.9	5.6	5-20	19