



FAMILY TASIMIIDAE

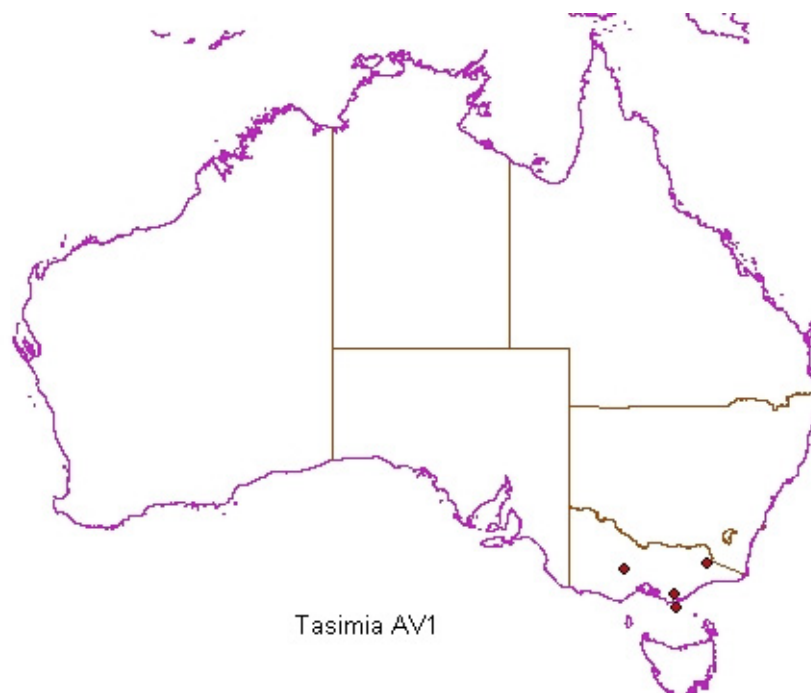
Habitat profile for *Tasimia* sp. AV1

Tasimia sp. AV1 was recorded from only 4 Victorian localities in this study. This larva has been previously recorded from South Australia, Tasmania, Victoria, New South Wales and Queensland (Cartwright 1997).

In this study, *Tasimia* sp. AV1 was recorded in kick habitat samples from streams between 180-940 m altitude (Chart a), a small distance from the source at between 3.5-19 km (Chart b), with predominant substrate of cobbles and pebbles, stream width between 2-5 m (Chart c), water depth between 0.13-0.25 m (Chart d), low to moderate alkalinity of 10-210 mg/L (Chart e) and low to moderate conductivity of 79-1257 μ S/cm (Chart f).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures of 11.4-13.5°C, circum-neutral pH in the range 6.5-8.4, and low turbidity (1.2-13 NTU).

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



Distribution of *Tasimia* AV1 in Australia.

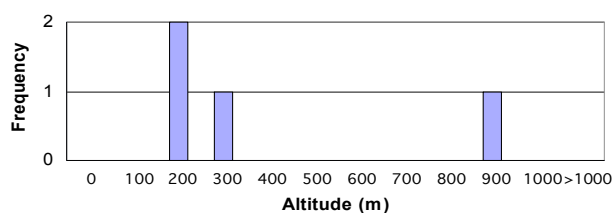


Tasimia AV1, nymph and typical habitat

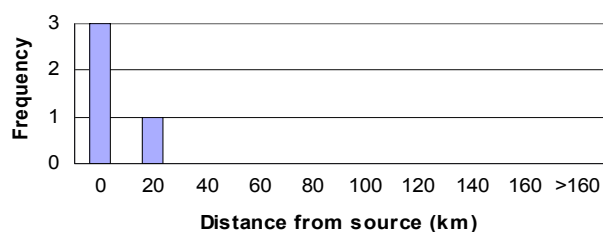


Charts for *Tasimia* AV1

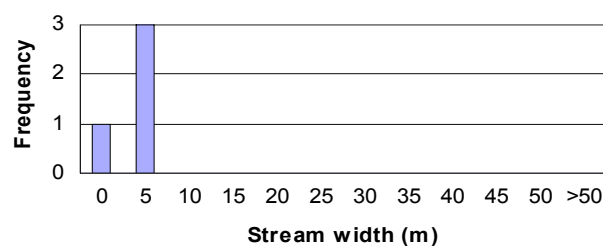
a) Altitude



b) Distance from source

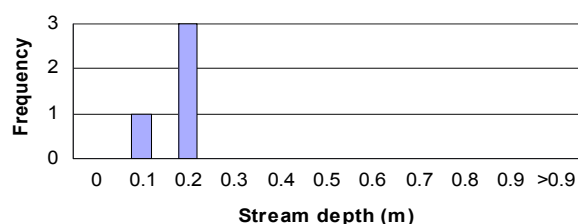


c) Stream Width

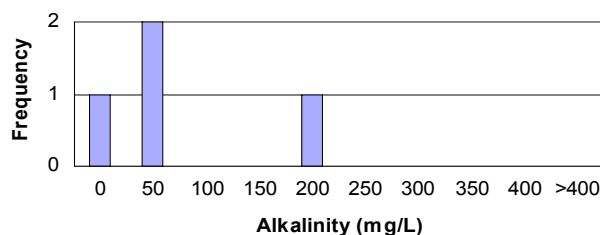




d) Depth



e) Alkalinity



f) Conductivity

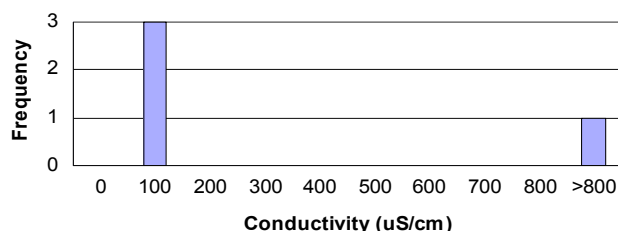


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Tasimia* sp. AV1 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	395	230	180-940	4
Distance from source (km)	9.1	7	3.5-19	4
Stream width (m)	3.8	4	2-5	4
Stream depth (m)	0.17	0.16	0.13-0.24	4
Water temperature (°C)	12.4	12.4	11.4-13.5	4
Conductivity (µS/cm)	394	120	79-1257	4
pH	7.5	7.6	6.5-8.4	4
Alkalinity (mg/L)	74.0	38.5	10-210	4
Turbidity (NTU)	6.8	6.6	1.2-13	4
Total N (mg/L)				
NO ₃ -N (mg/L)	0.115	0.083	0.003-0.29	4
Total P (mg/L)	0.04	0.034	0.008-0.085	4

References

Cartwright D (1997) 'Preliminary guide to the identification of late instar larvae of Australian Ecnomidae, Philopotamidae and Tasimiidae (Insecta: Trichoptera).' (Cooperative Research Centre for Freshwater Ecology.: Albury)



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