



Family Oniscigastridae

Habitat Profile for *Tasmanophlebia Tas sp1*

Tasmanophlebia Tas sp1 was distinctive because of the 8 spines along the postero-dorsal margins of the abdominal segments 1 – 8. It was restricted to Tasmanian streams and was wide spread throughout the state. *Tasmanophlebia Tas sp1* was recorded in combined kick and sweep samples which collected animals from all habitats in the stream. Generally this species was collected from lowland streams below 500m in altitude (Chart a), <40km from the stream source (Chart b) and from sites with substrate with high percentages of pebbles, gravel and sand stream (Chart c). Stream width was <25m wide (Chart d) but few water quality parameters were measured, with the conductivity low <200 μ S/cm (Chart e).

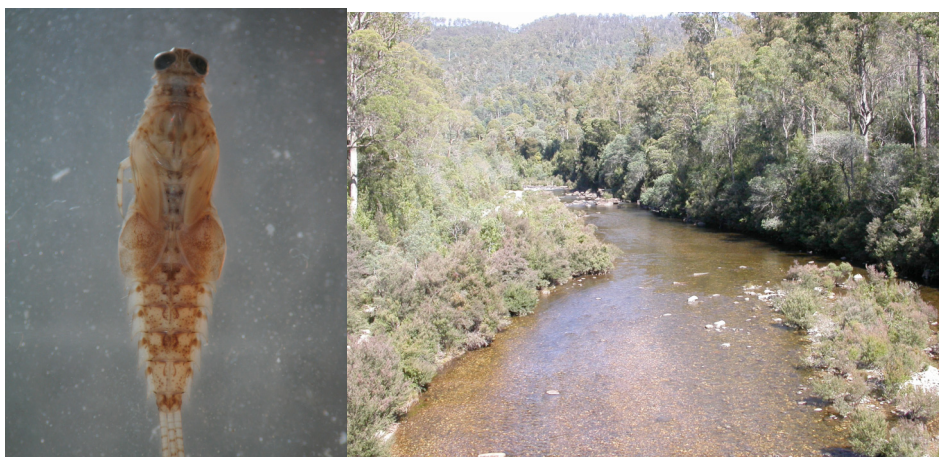
Mean, median and range for selected physical and chemical parameters and habitat categories are given in the Table.



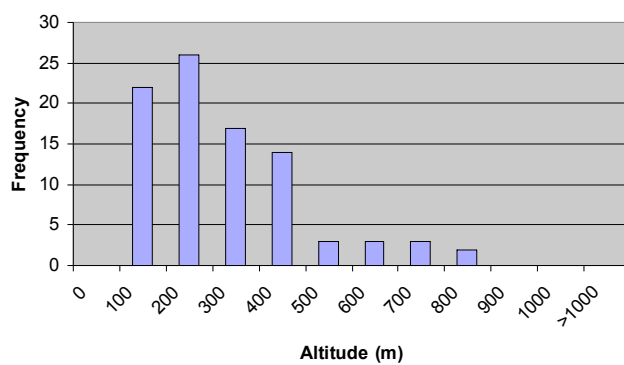
Distribution of *Tasmanophlebia Tas sp 1* in Australia.



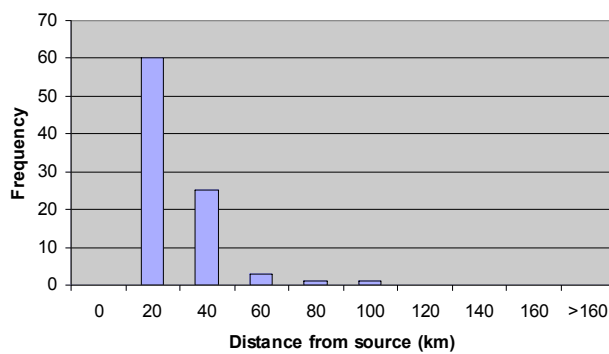
Tasmanophlebia Tas sp1, nymph and typical habitat



a) Altitude

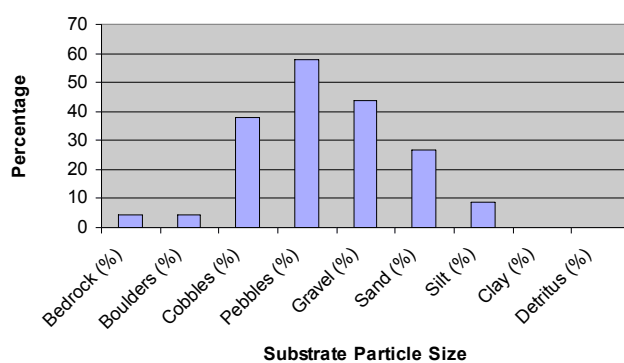


b) Distance from source

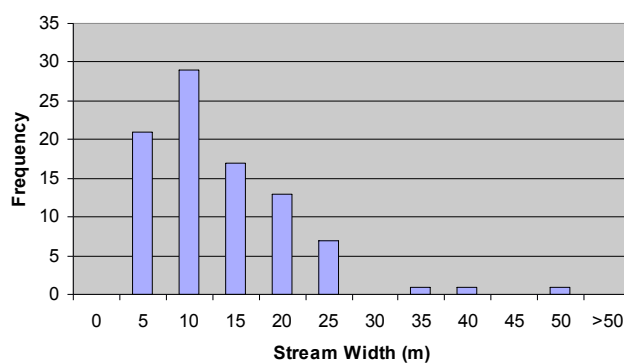




c) Substrate Particle Size



d) Stream Width



e) Conductivity

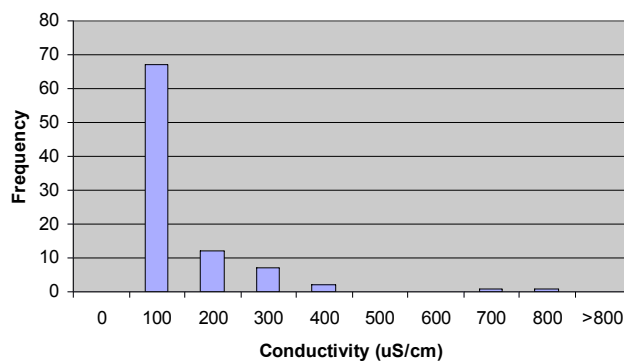




Table 12. Mean and median physical and chemical parameters for *Tasmanophlebia* sp Tas 1 8 spine.

	Mean	Median	Range	n
Altitude (m)	233	180	30-750	90
Distance from source (km)	18.4	14	4.1-89	90
Width (m)	11.3	9.2	1.5-48.3	90
Depth (m)				
Water Temperature				
Conductivity (µS/cm)	109.1	74.5	18.2-766	90
pH				
Turbidity (NTU)				
Oxidised Nitrogen (mg/L)				
Total N (mg/L)				
Total P (µg/L)				
Alkalinity (mg/L)				