



FAMILY PHILOPOTAMIDAE

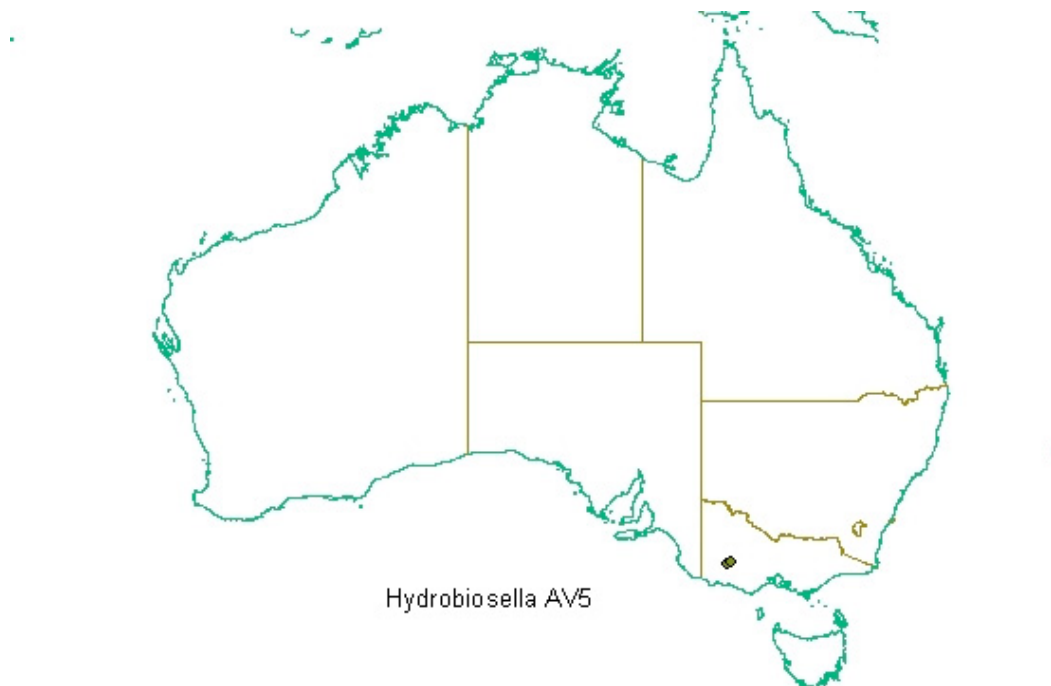
Habitat profile for *Hydrobiosella* sp. AV5

Hydrobiosella sp. AV5 was recorded from only 4 western Victorian samples in this study.

Hydrobiosella sp. AV5 was recorded in kick habitat samples from streams at relatively low altitudes between 320-350 m, a short distance from the source at between 5.4-7.3 km, but there was no substrate data associated with these samples. The streams were very small between 1-5 m, depth between 0.07-0.34 m, with low alkalinity between 2-7 mg/L and low conductivity between 40-72 $\mu\text{S}/\text{cm}$.

The following generalities can be made about the other parameters listed in the Table: cool to moderate recorded water temperatures between 8.5-13°C, acidic pH in the range of 4-7, and very low turbidity (<2.5 NTU).

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



Distribution of *Hydrobiosella* sp AV5 in Australia.



Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Hydrobiosella* sp. AV5 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	335	335	320-350	4
Distance from source (km)	6.4	6.4	5.4-7.3	4
Stream width (m)	3.1	3.2	1-5	4
Stream depth (m)	0.26	0.3	0.07-0.34	4
Water temperature (°C)	10.9	11.0	8.5-13	4
Conductivity (µS/cm)	60.5	65	40-72	4
pH	6.1	6.7	4-7	4
Alkalinity (mg/L)	4.2	4	2-7	4
Turbidity (NTU)	1.4	1.3	0.8-2.3	4
Total N (mg/L)				
NO ₃ -N (mg/L)	0.004	0.004	0.003-0.008	4
Total P (mg/L)	0.005	0.005	0.005-0.007	4