



## HYDROPSYCHIDAE

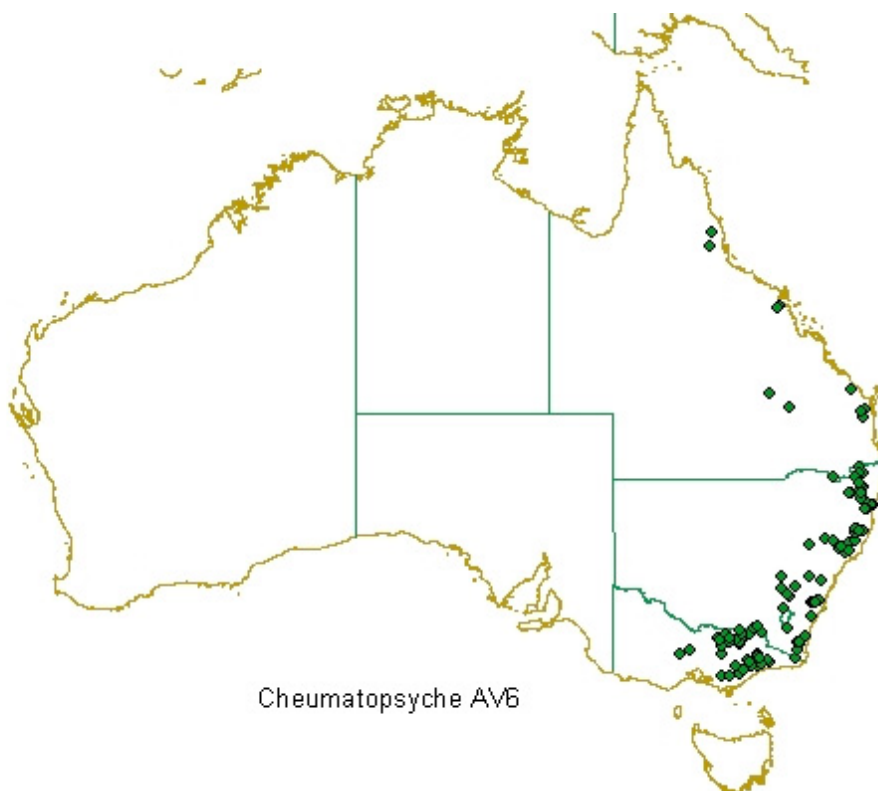
### Habitat profile for *Cheumatopsyche* sp. AV6

*Cheumatopsyche* sp. AV6 was recorded from 302 Victorian, New South Wales, ACT and Queensland localities in this study.

In this study *Cheumatopsyche* sp. AV6 was recorded mainly in riffle and kick habitat samples from streams <550 m altitude (Chart a), 8-264 km from the source (Chart b), mainly larger substrate types with cobbles, boulders, and pebble substrate with low to medium detritus cover (Chart c). Animals were collected from a wide range of stream widths mainly between 2.5-22 m (Chart d), water depth of between 0.05-0.6 m (Chart e), low to moderate alkalinity between 13-230 mg/L (Chart f) and moderate to high conductivity ranging from 30-800  $\mu\text{S}/\text{cm}$  (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature of 10-27.5 °C, mainly slightly alkaline pH in range 6.4-8.8, low turbidity (<23 NTU).

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



*Cheumatopsyche* AV6

Distribution of *Cheumatopsyche* sp AV6 in Australia.

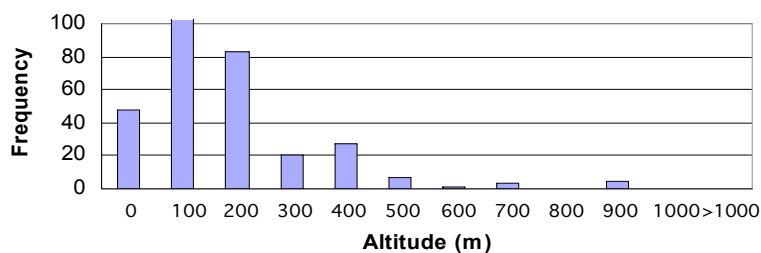


## Cheumatopsyche sp AV6, larva and typical habitat

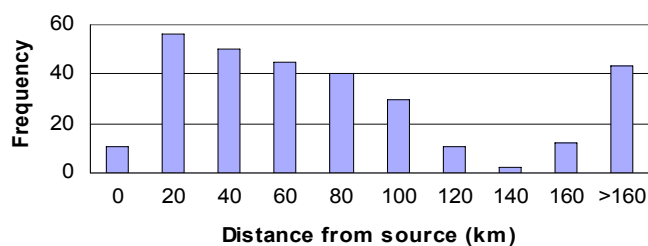


### Charts for *Cheumatopsyche* sp AV6

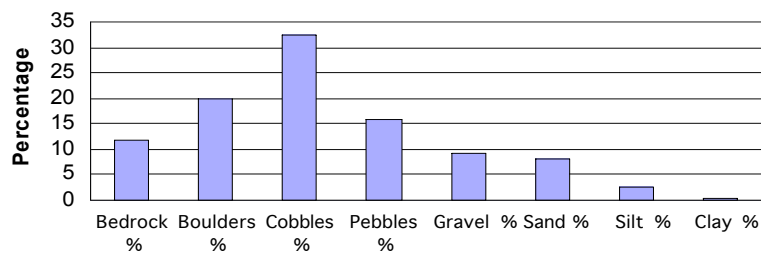
#### a) Altitude



#### b) Distance from source

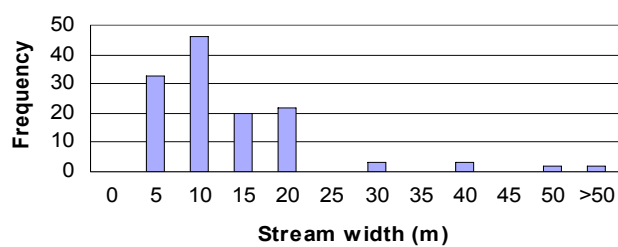


#### c) Substrate Particle Size

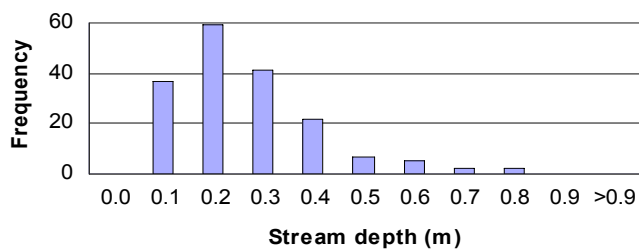




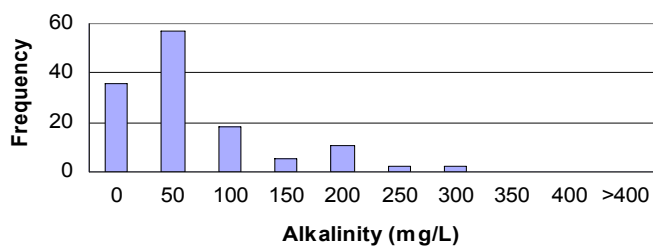
d) Stream Width



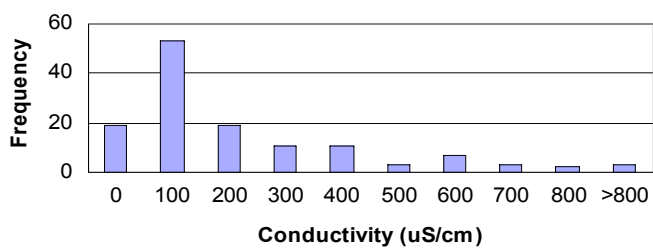
e) Depth



f) Alkalinity



g) Conductivity





**Table.** Mean, median and range for selected physical and chemical parameters and habitat categories for *Cheumatopsyche* sp. AV6 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	177	140	0-910	300
Distance from source (km)	85	58	4.3-371	300
Stream width (m)	13.8	10	2.5-100	131
Stream depth (m)	0.25	0.2	0.05-0.71	174
Water temperature (°C)	18.9	18.8	7.3-28.7	131
Conductivity (µS/cm)	227	128	3-1176	131
pH	7.6	7.6	5.9-9.0	130
Alkalinity (mg/L)	66	40	10-300	131
Turbidity (NTU)	10	2.2	0-597	124
Total N (mg/L)	0.27	0	0-4.69	77
NO <sub>3</sub> -N (mg/L)	0.15	0.03	0-3.38	50
Total P (mg/L)	0.05	0.018	0.005-0.68	65