



FAMILY HYDROPSYCHIDAE

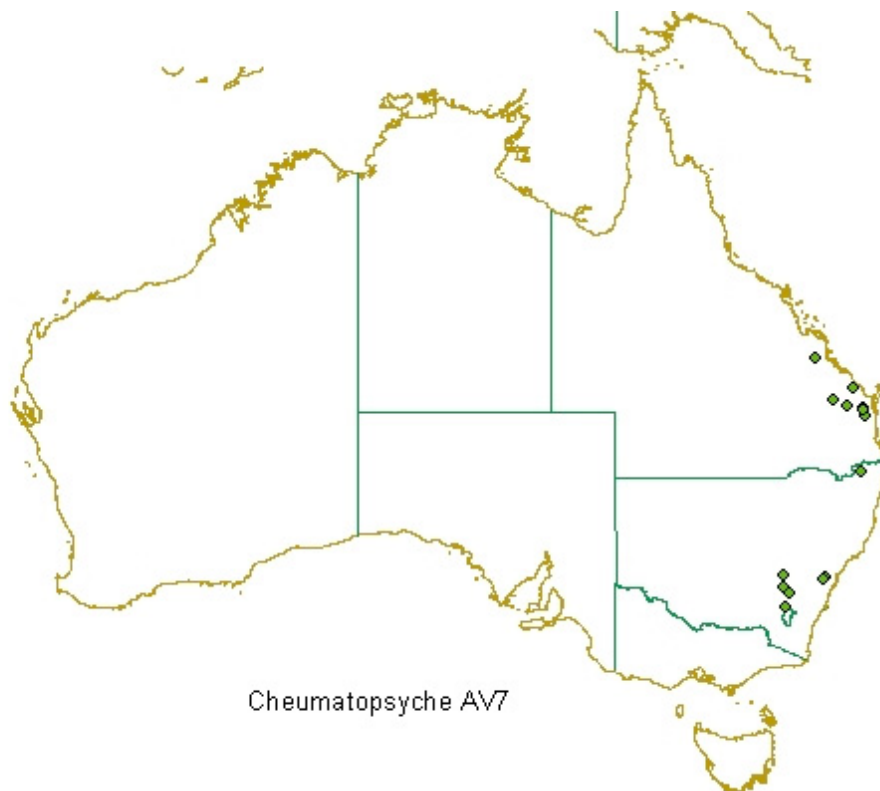
Habitat profile for *Cheumatopsyche* sp. AV7

Cheumatopsyche sp. AV7 was recorded from 29 New South Wales and Queensland localities in this study.

Cheumatopsyche sp. AV7 was recorded mainly in riffle habitat samples from streams <450 m altitude (Chart a), a moderate distance of 77-263 km from the source (Chart b), with a relatively even mix of substrates decreasing slightly from cobbles and boulders, through to pebbles, bedrock and gravel substrate with low detritus cover (Chart c). The streams were usually small to medium with width between 3-20 m (Chart d), water depth of between 0.1-0.5 m (Chart e), moderate alkalinity between 50-200 mg/L (Chart f) and moderate to high conductivity ranging from 270-1420 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature of 14.4-27.8 °C, slightly alkaline pH in range 7.3-8.6, low turbidity (<19 NTU).

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

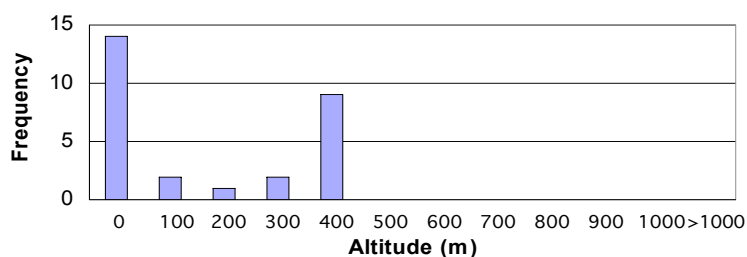


Distribution of *Cheumatopsyche* sp AV7 in Australia.

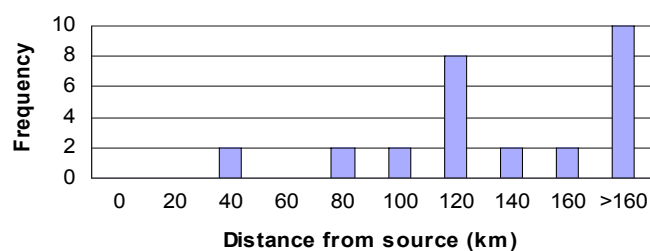


Charts for *Cheumatopsyche* sp AV7

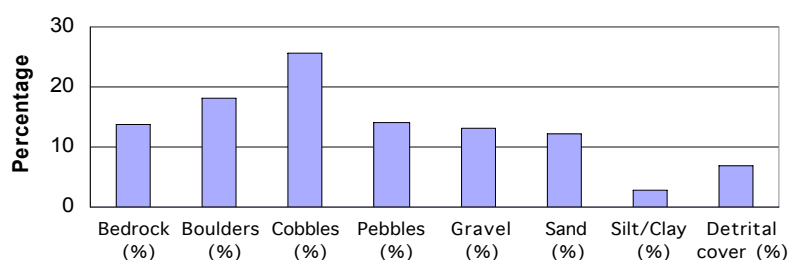
a) Altitude



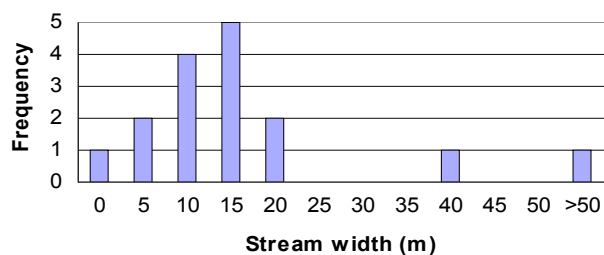
b) Distance from source



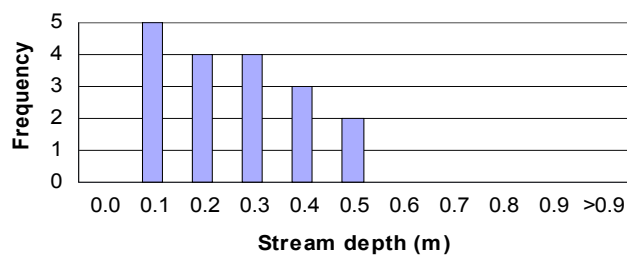
c) Substrate Particle Size



d) Stream Width

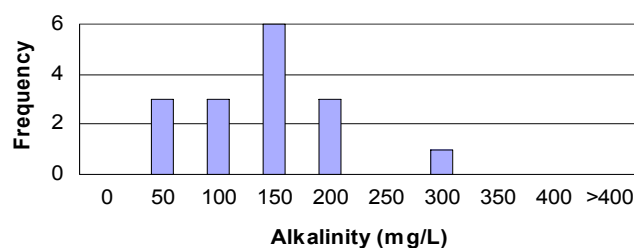


e) Depth





f) Alkalinity



g) Conductivity

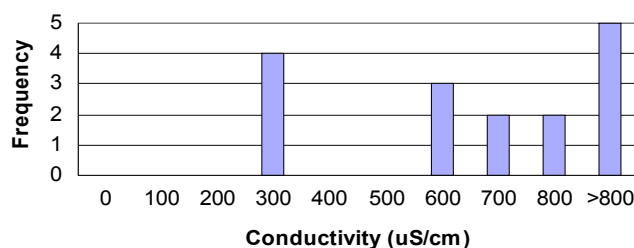


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Cheumatopsyche* sp. AV7 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	183	78	0-440	28
Distance from source (km)	156	123	37.5-263	28
Stream width (m)	18.6	13	0.5-100	16
Stream depth (m)	0.25	0.23	0.1-0.5	18
Water temperature (°C)	21.4	21.7	11.9-27.8	16
Conductivity (µS/cm)	788	689	272-2200	16
pH	8.1	8.1	7.3-8.8	16
Alkalinity (mg/L)	139.5	140	50-300	16
Turbidity (NTU)	5.9	2.3	0.5-18	16
Total N (mg/L)	1.06	0.63	0.3-4.7	15
NO ₃ -N (mg/L)	0.695	0.04	0.01-3.38	6
Total P (mg/L)	0.079	0.034	0.011-0.35	15