



FAMILY HYDROPSYCHIDAE

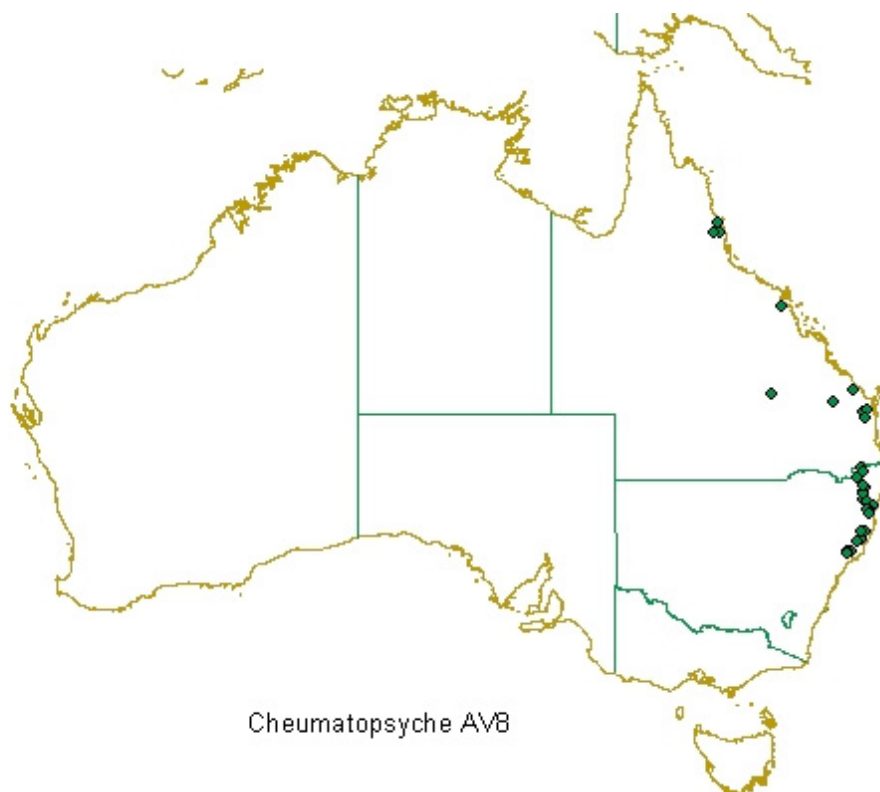
Habitat profile for *Cheumatopsyche* sp. AV8

Cheumatopsyche sp. AV8 was recorded from 69 New South Wales and Queensland localities in this study.

In this study *Cheumatopsyche* sp. AV8 was recorded mainly in riffle habitat samples from streams <350 m altitude (Chart a), <201 km from the source (Chart b), with a relatively even mix of substrates decreasing slightly from cobbles, boulders and pebbles through to gravel and bedrock substrate with moderate detritus cover (Chart c). Stream width was between 4-30 m (Chart d), water depth mainly between 0.05-0.4 m (Chart e), low to moderate alkalinity between 10-155 mg/L (Chart f) and with moderate conductivity ranging from 14-432 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature of 14.5-28 °C, mostly slightly alkaline pH in range 6.4-8.6, very low turbidity (<14 NTU).

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



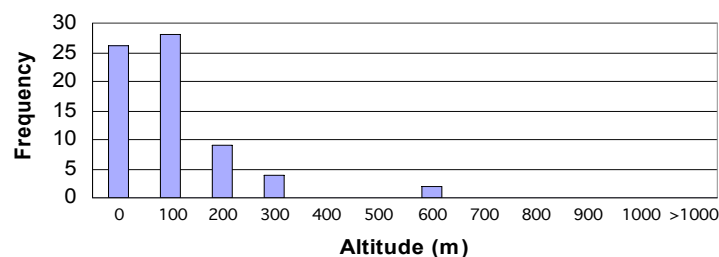
Cheumatopsyche AV8

Distribution of *Cheumatopsyche* sp AV8 in Australia.

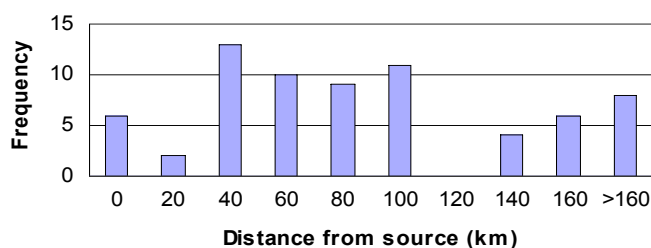


Charts for *Cheumatopsyche* sp AV8

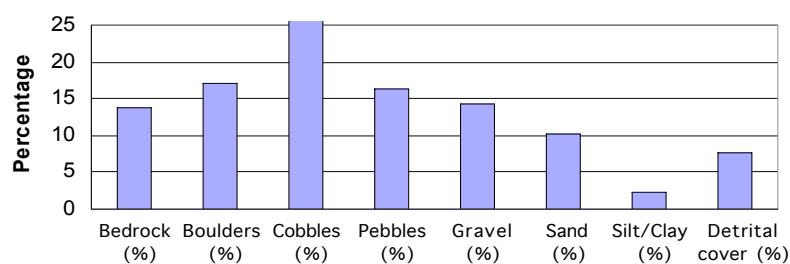
a) Altitude



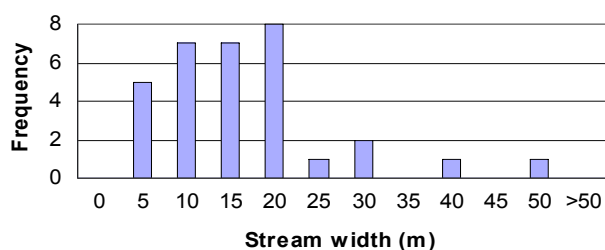
b) Distance from source



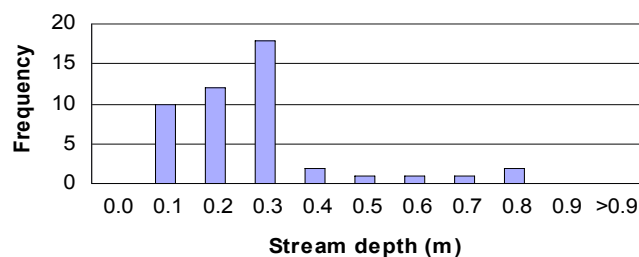
c) Substrate Particle Size



d) Stream Width

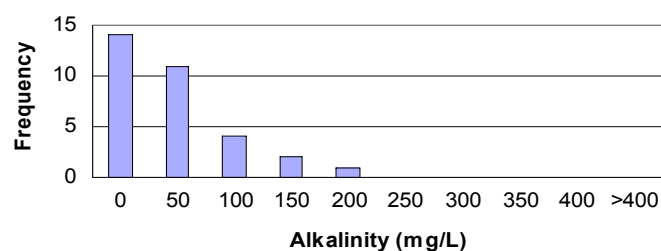


e) Depth





f) Alkalinity



g) Conductivity

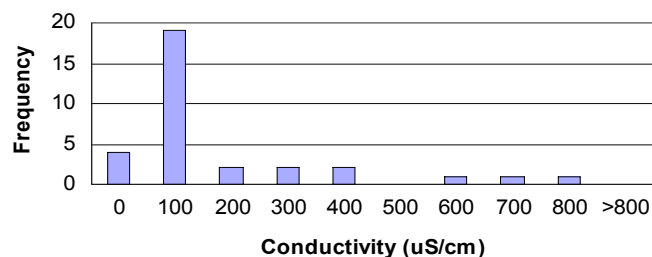


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Cheumatopsyche* sp. AV8 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	96	60	5-610	69
Distance from source (km)	87.6	86	1.8-200	69
Stream width (m)	16.6	15	4-50	32
Stream depth (m)	0.26	0.25	0.05-0.8	47
Water temperature (°C)	20.7	20.7	12.7-28.7	32
Conductivity (µS/cm)	181	110	14-770	32
pH	7.5	7.4	5.9-8.8	32
Alkalinity (mg/L)	48	30.5	10-205	32
Turbidity (NTU)	2.9	1.9	0-13.4	31
Total N (mg/L)	0.19	0.0	0.0-1.2	31
NO ₃ -N (mg/L)	0.028	0.02	0.004-0.08	20
Total P (mg/L)	0.029	0.01	0.01-0.35	31