



FAMILY HYDROPSYCHIDAE

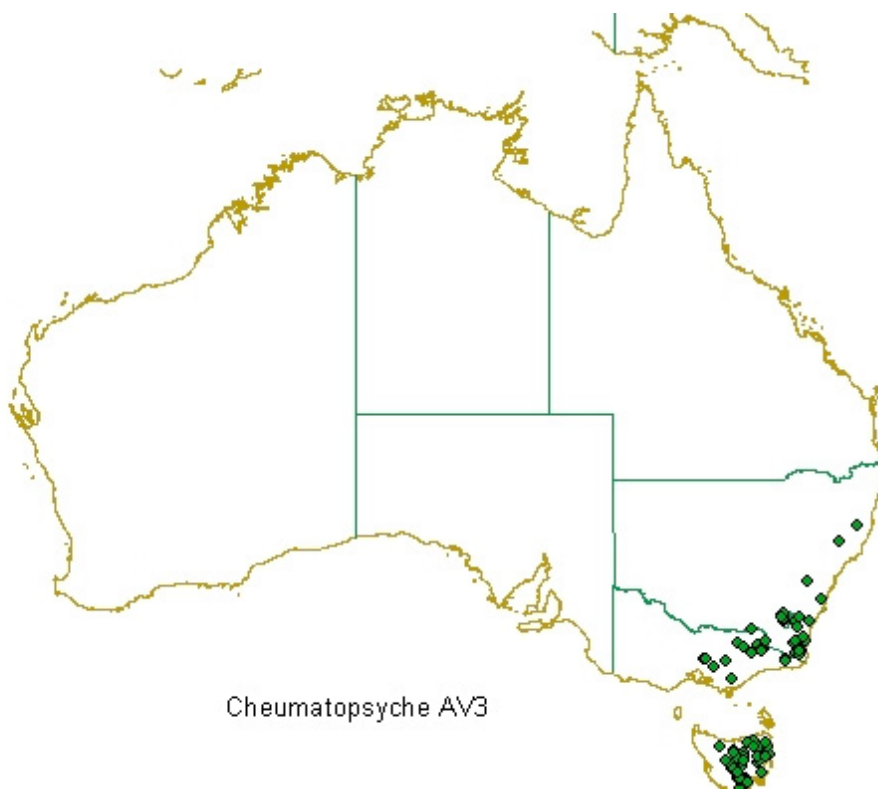
Habitat profile for *Cheumatopsyche* sp. AV3

Cheumatopsyche sp. AV3 was recorded from 158 Tasmanian, Victorian, ACT and New South Wales localities in this study.

In this study *Cheumatopsyche* sp. AV3 was recorded mainly in riffle and kick habitat samples from streams at a wide range of altitudes between 10-1200 m (Chart a), <61 km from the source (Chart b), predominantly large to midsize substrates of cobbles, pebbles and gravel with low detritus cover (Chart c). Streams were small to large with width <34 m (Chart d), shallow to medium water depth <0.45 m (Chart e), low alkalinity between 8-65 mg/L (Chart f) and low to moderate conductivity ranging from 15-220 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature of 7-17 °C, circum-neutral pH in range 6-8.1, and very low turbidity (<17 NTU).

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



Distribution of *Cheumatopsyche* sp AV3 in Australia.

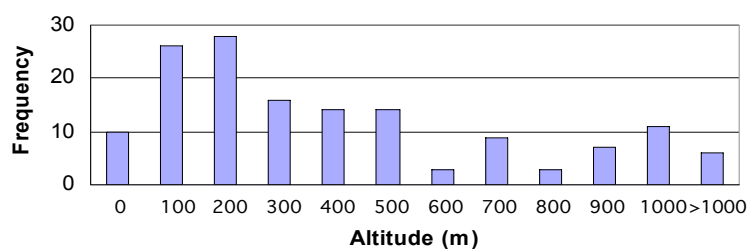


Typical habitat of *Cheumatopsyche* sp AV3

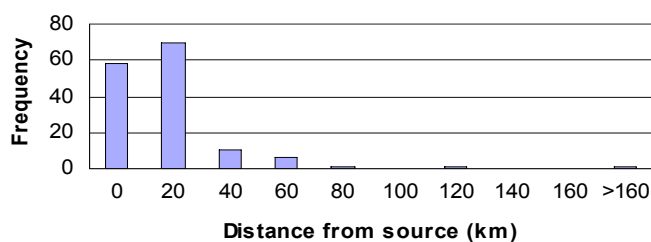


Charts for *Cheumatopsyche* sp AV3

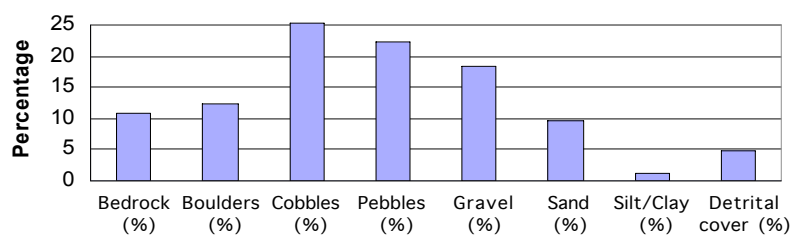
a) Altitude



b) Distance from source

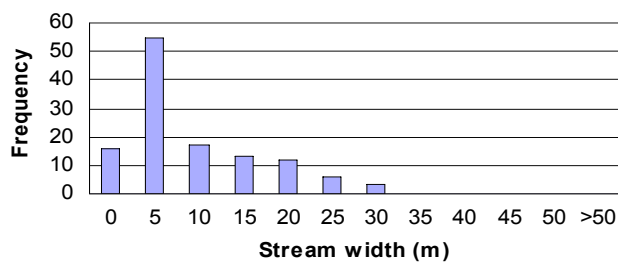


c) Substrate Particle Size

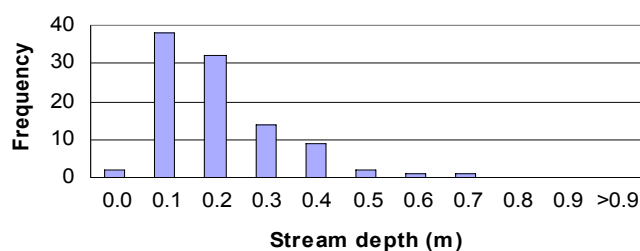




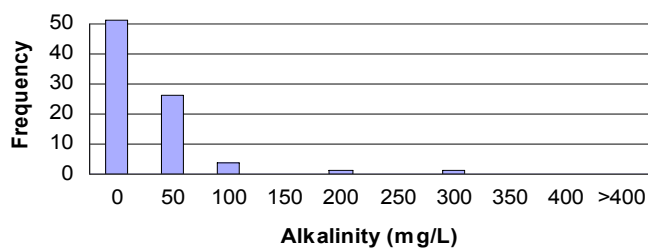
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

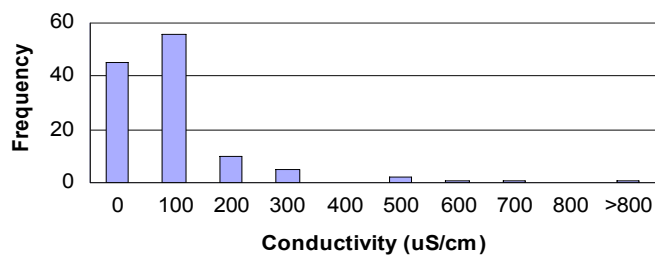




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Cheumatopsyche* sp. AV3 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	409	310	10-1200	147
Distance from source (km)	21	11	0.3-607	147
Stream width (m)	9.1	6.2	1-33	122
Stream depth (m)	0.20	0.15	0.02-0.65	99
Water temperature (°C)	11.3	16.3	4.8-19.8	83
Conductivity (µS/cm)	109	69	3.4-823	121
pH	7.06	7.1	5.5-8.5	83
Alkalinity (mg/L)	32.4	20	3-276	83
Turbidity (NTU)	4.9	2.0	0-30	82
Total N (mg/L)	0.23	0.21	0-1.16	56
NO ₃ -N (mg/L)	0.046	0.01	0.0-0.41	81
Total P (mg/L)	0.017	0.011	0.0-0.085	83
P SR (mg/L)	0.003	0.002	0.002-0.016	39