



FAMILY HYDROPSYCHIDAE

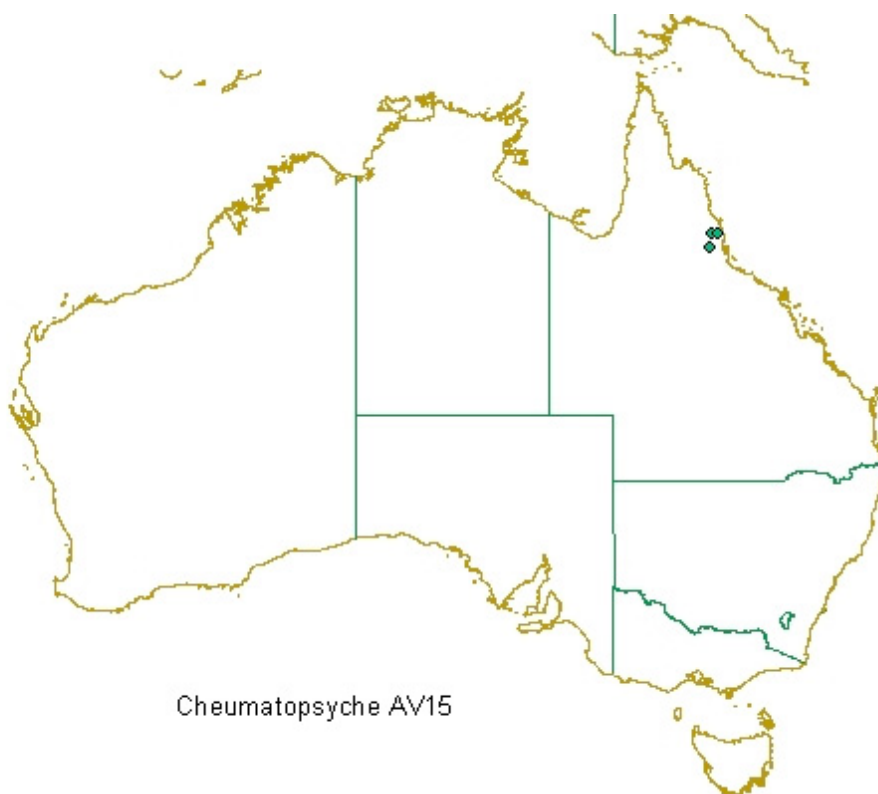
Habitat profile for *Cheumatopsyche* sp. AV15

Cheumatopsyche sp. AV15 was recorded from only 4 Queensland localities in the wet tropics.

In this study *Cheumatopsyche* sp. AV15 was recorded only in riffle habitat samples from streams between 35-720 m altitude, 11-84 km from the source, with a relatively even mix of substrates decreasing from gravel to sand, cobbles and boulders substrate with low detritus cover. The streams were small to medium with width between 3-30 m, shallow water depth of between 0.1-0.2 m, low alkalinity between 13-24.5 mg/L and low conductivity ranging from 54-62 $\mu\text{S}/\text{cm}$.

The following generalities can be made about the other parameters listed in the Table: relatively high recorded water temperatures of 23.4-27.3 °C, slightly alkaline pH in range 7-7.6, very low turbidity (<2.5 NTU).

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



Cheumatopsyche AV15

Distribution of *Cheumatopsyche* sp AV15 in Australia.



Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Cheumatopsyche* sp. AV15 (N= number of records).

| | Mean | Median | Range | N |
|---------------------------|-------|--------|-------------|---|
| Altitude (m) | 345 | 312.5 | 35-720 | 4 |
| Distance from source (km) | 34 | 21 | 11-84 | 4 |
| Stream width (m) | 15.8 | 15 | 3-30 | 4 |
| Stream depth (m) | 0.16 | 0.18 | 0.1-0.2 | 4 |
| Water temperature (°C) | 25.4 | 25.4 | 23.4-27.3 | 4 |
| Conductivity (µS/cm) | 58.6 | 59.3 | 53.7-62 | 4 |
| pH | 7.4 | 7.55 | 7-7.6 | 4 |
| Alkalinity (mg/L) | 19.3 | 19.8 | 13-24.5 | 4 |
| Turbidity (NTU) | 0.9 | 0.5 | 0.5-2.0 | 4 |
| Total N (mg/L) | 0.29 | 0.31 | 0.21-0.31 | 4 |
| NO ₃ -N (mg/L) | | | | |
| Total P (mg/L) | 0.019 | 0.017 | 0.006-0.034 | 4 |