



FAMILY ECNOMIDAE

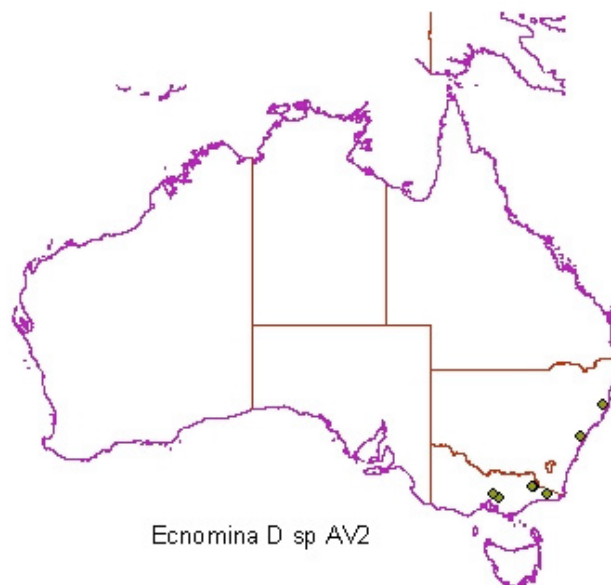
Habitat profile for *Ecnomina* D sp AV2

Ecnomina D sp AV2 was only recorded from 7 Victorian and New South Wales localities in this study.

Ecnomina D sp AV2 was recorded mainly in kick habitat samples from low to moderate altitude streams <990 m (Chart a), <26 km from the source (Chart b), with predominantly cobble, sand and bedrock substrate with <10% detritus cover (Chart c). The streams were <11 m wide (Chart d), depth was between 0.09-0.4 m (Chart e), with low alkalinity <51 mg/L (Chart f) and low conductivity ranging from 15-79 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures of 10-19.5°C, mainly slightly alkaline pH in the range 6.8-8.1, and low turbidity (<14 NTU).

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



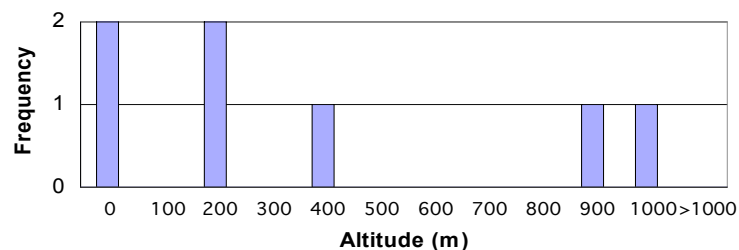
Ecnomina D sp AV2

Distribution of *Ecnomina* D sp AV2 in Australia.

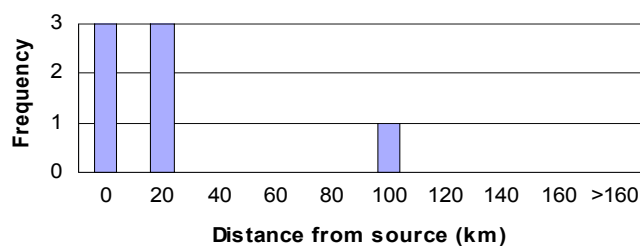


Charts for *Ecnomina* D sp AV2

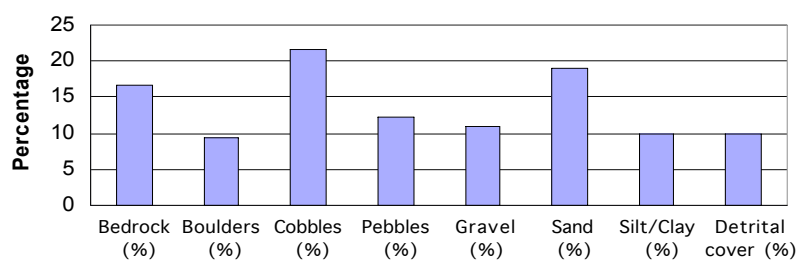
a) Altitude



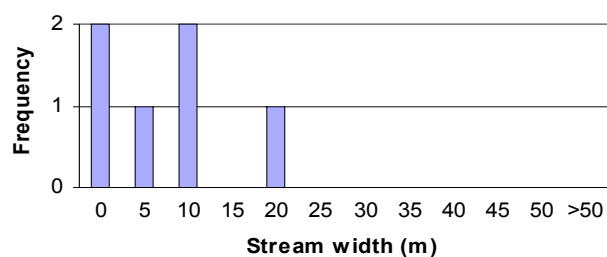
b) Distance from source



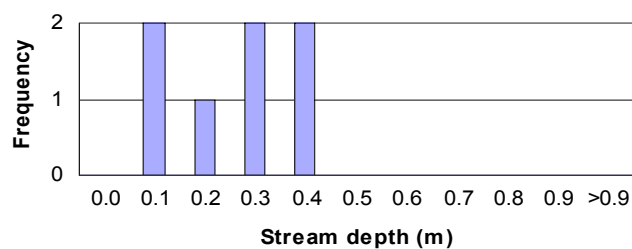
c) Substrate Particle Size



d) Stream Width

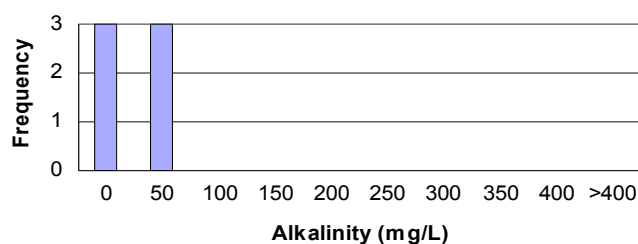


e) Depth





f) Alkalinity



g) Conductivity

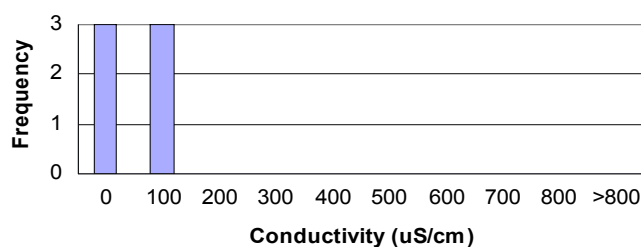


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Ecnomina* D sp. AV2 (N= number of records).

| | Mean | Median | Range | N |
|---------------------------|-------|--------|-------------|---|
| Altitude (m) | 389 | 220 | 5-980 | 7 |
| Distance from source (km) | 26.2 | 13.4 | 3.5-106 | 7 |
| Stream width (m) | 8.2 | 7.5 | 2-20 | 6 |
| Stream depth (m) | 0.25 | 0.27 | 0.09-0.4 | 7 |
| Water temperature (°C) | 14.3 | 13.7 | 10-19.5 | 6 |
| Conductivity (µS/cm) | 45 | 44 | 15-79 | 6 |
| pH | 7.3 | 7.1 | 6.8-8.1 | 6 |
| Alkalinity (mg/L) | 22.3 | 18.5 | 4.8-50 | 6 |
| Turbidity (NTU) | 6.5 | 4.9 | 0.65-13 | 6 |
| Total N (mg/L) | | | | |
| NO ₃ -N (mg/L) | 0.14 | 0.10 | 0.003-0.37 | 6 |
| Total P (mg/L) | 0.024 | 0.011 | 0.005-0.085 | 6 |