



FAMILY ECNOMIDAE

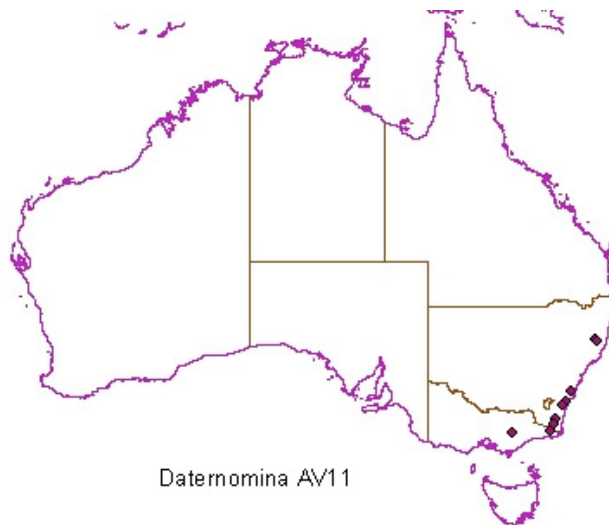
Habitat profile for *Daternomina* sp. AV11

Daternomina sp. AV11 was recorded from 12 Victorian and New South Wales localities in this study.

Daternomina sp. AV11 was recorded in riffle and kick habitat samples from low altitude streams mainly between 90-340 m (Chart a), a small distance from the source at between 7.6-17 km (Chart b), with predominantly larger sized substrates of boulders and cobbles with <6% detritus cover (Chart c). The streams were small between 6-10 m wide (Chart d), depth was between 0.1-0.3 m (Chart e), with low alkalinity between 10-32 mg/L (Chart f) and low conductivity of between 50-140 $\mu\text{S}/\text{cm}$ (Chart g).

The following generalities can be made about the other parameters listed in the Table: moderate recorded water temperatures of 14.3-19.7°C, slightly acidic to circum-neutral pH in the range 5.6-7.7, and very low turbidity (<6.5 NTU).

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



Daternomina AV11

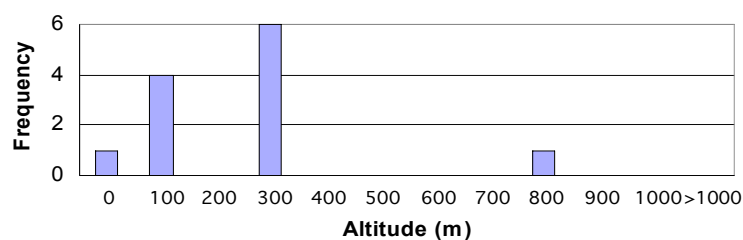


Daternomina sp AV11, nymph and typical habitat

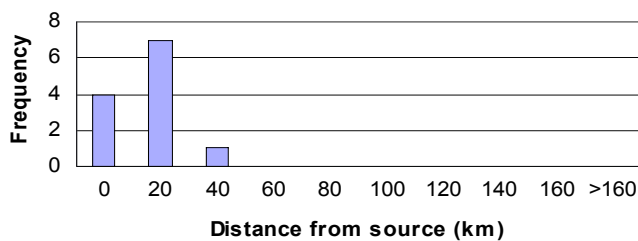


Charts for *Daternomina* sp AV11

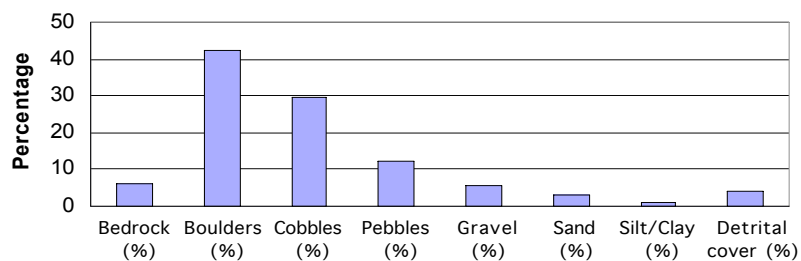
a) Altitude



b) Distance from source

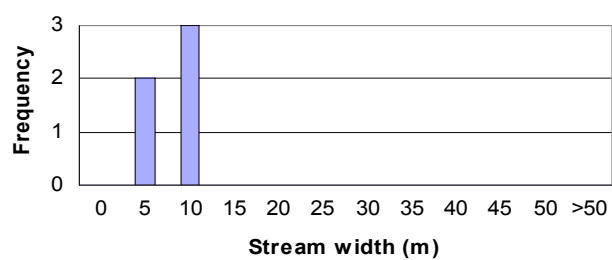


c) Substrate Particle Size

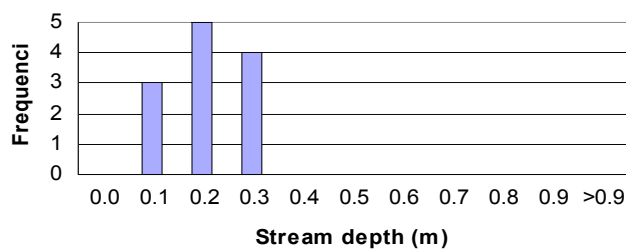




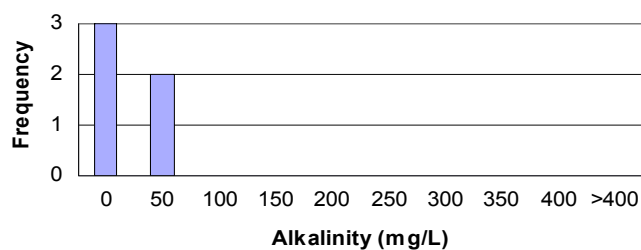
d) Stream Width



e) Depth



f) Alkalinity



g) Conductivity

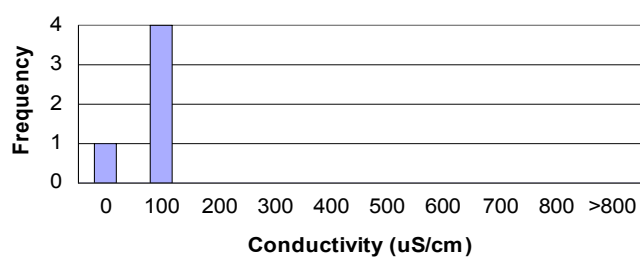




Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Daternomina* sp. AV11 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	262	270	40-840	12
Distance from source (km)	13.4	11.8	0.7-36	12
Stream width (m)	7.8	8.0	6-10	5
Stream depth (m)	0.2	0.2	0.08-0.3	12
Water temperature (°C)	17.6	18.0	14.3-19.7	5
Conductivity (µS/cm)	79	74	49.8-140	5
pH	7.0	7.5	5.6-7.7	5
Alkalinity (mg/L)	20.6	18.0	10-32	5
Turbidity (NTU)	2.8	3.0	0-6.2	5
Total N (mg/L)	0	0	0	2
NO ₃ -N (mg/L)	0.015	0.013	0.003-0.03	4
Total P (mg/L)	0.01	0.01	0.009-0.01	4