



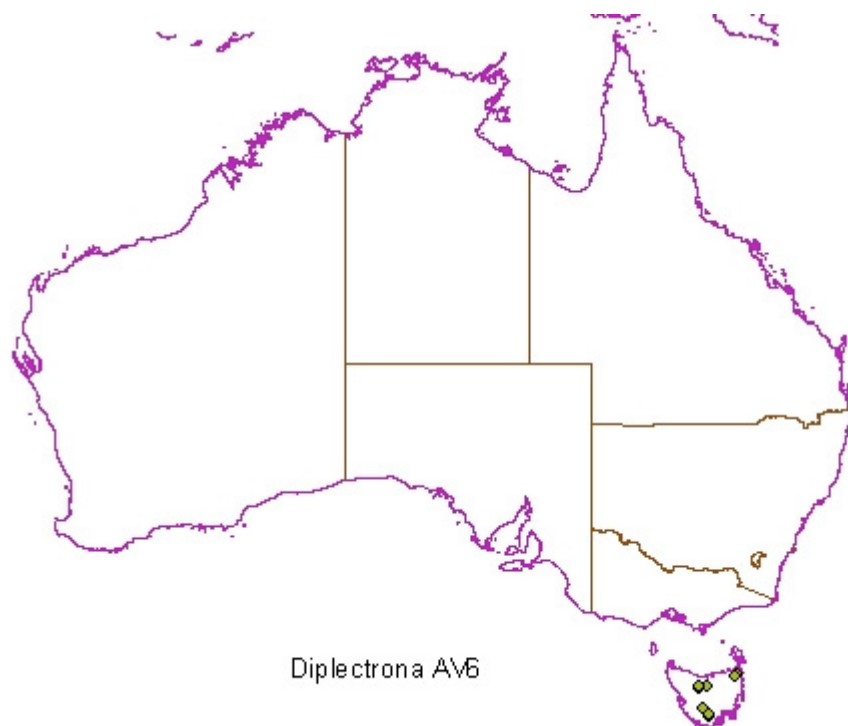
FAMILY HYDROPSYCHIDAE

Habitat profile for *Diplectrona* sp. AV6

Diplectrona sp. AV6 was recorded from only 8 Tasmanian localities in this study. In this study *Diplectrona* sp. AV6 was recorded only in riffle habitat samples from streams between 140 to 540 m altitude (Chart a), <14 km from the source (Chart b), small to medium stream width between 1-18 m (Chart c), stream water depth of 0.08-0.35 m (Chart d), low alkalinity <24 mg/L (Chart e) and low to medium conductivity ranging from 18-106 μ S/cm (Chart f).

The following generalities can be made about the other parameters listed in the Table: relatively cool recorded water temperatures of 5-10.5 °C, mainly slightly acid pH in the range 3.8-7.2 and low turbidity (<19 NTU).

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



Distribution of *Diplectrona* sp AV6 in Australia

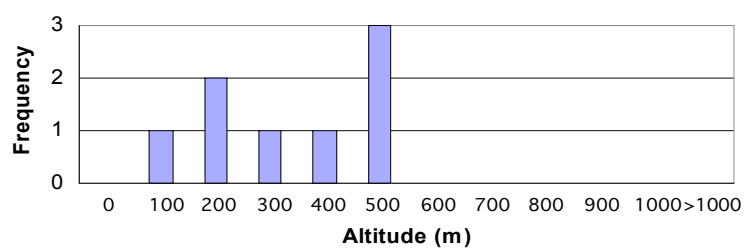


Typical habitat of *Diplectrona* sp AV6

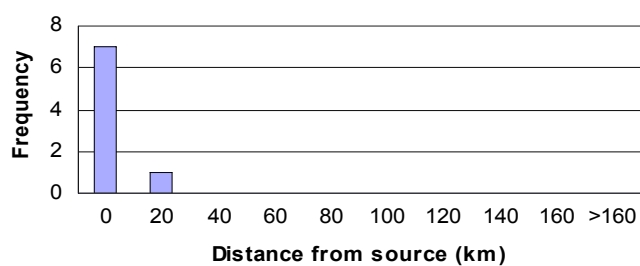


Charts for *Diplectrona* sp AV6

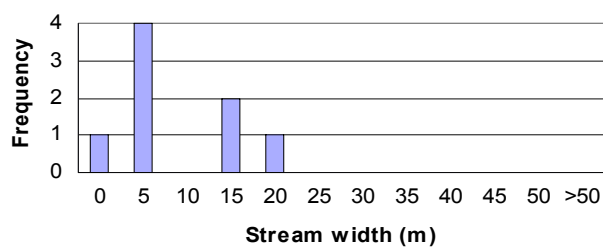
a) Altitude



b) Distance from source

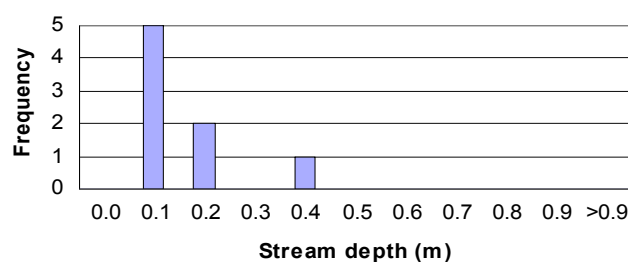


c) Stream Width

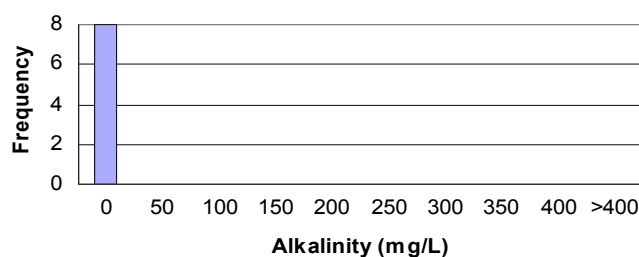




d) Depth



e) Alkalinity



f) Conductivity

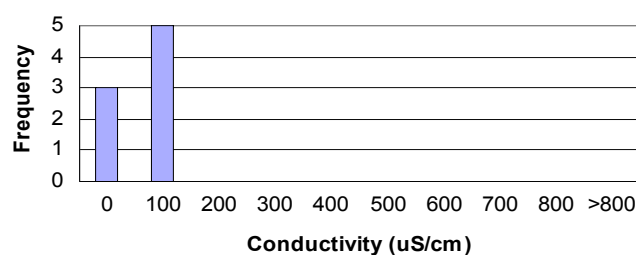


Table. Mean, median and range for selected physical and chemical parameters and habitat categories for *Diplectrona* sp. AV6 (N= number of records).

	Mean	Median	Range	N
Altitude (m)	360	385	140-540	8
Distance from source (km)	6.4	6.3	1-13	8
Stream width (m)	8.4	6.1	1.2-18	8
Stream depth (m)	0.16	0.11	0.08-0.35	8
Water temperature (°C)	8.1	8.3	5.1-10.5	8
Conductivity (µS/cm)	54	50	18.4-106	8
pH	5.6	6.1	3.85-7.2	8
Alkalinity (mg/L)	6.5	3.0	1-23	8
Turbidity (NTU)	4.4	2.4	0.5-18.7	8
Total N (mg/L)	0.29	0.28	0.085-0.53	8
NO ₃ -N (mg/L)	0.034	0.007	0.002-0.109	8
Total P (mg/L)	0.009	0.009	0.002-0.021	8
P SR (mg/L)	0.002	0.002	0.002	8