



Family Coloburiscidae

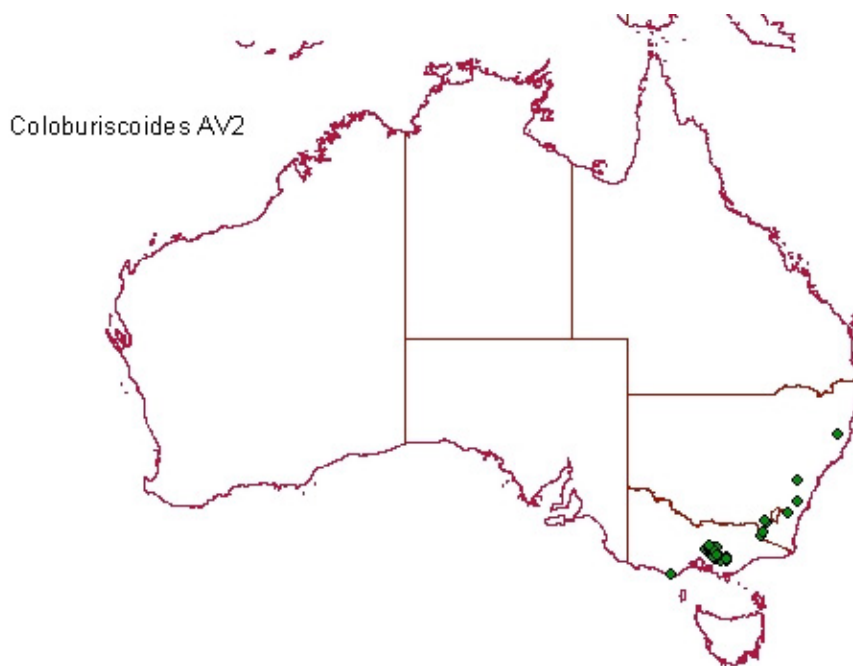
Habitat Profile for *Coloburiscoides* sp AV2

Coloburiscoides AV2 was recorded from 39 sites in south eastern Australia ranging from the Otway Ranges in Victoria to the Hastings River Catchment in New South Wales. This northern location represents an extension of the known distribution of the genus *Coloburiscoides* as presented by Campbell (1981). Like *Coloburiscoides* AV1 this taxon may represent more than a single species.

Coloburiscoides AV2 nymphs were collected from sweep net samples which included edges and riffles of streams at foothill to high altitude sites with the majority collected from below 600m (Chart a) usually within 100km of the stream source (Chart b) and from sites with substrate dominated by clean boulders and cobbles with detrital cover less than 2% (Chart c). As for *Coloburiscoides* AV1 this species was collected from a wide range of streams and conditions with stream size variable ranging between 2.5 and 20m wide (Chart d) and depths less than 0.5m (Chart e). Streams mainly had pH that was circum-neutral, had low turbidity, alkalinity (Chart f) and conductivity (Chart g).

The following generalities can be made about the other parameters listed in the Table: recorded water temperature between 7-19 °C, pH mostly in range of 5.9-8.0 and low turbidity of <40 NTU.

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





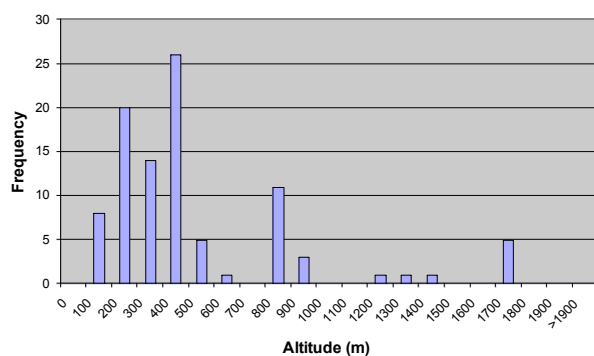
Distribution of *Coloburiscoides* AV2 in Australia.

Typical habitat for *Coloburiscoides* AV2

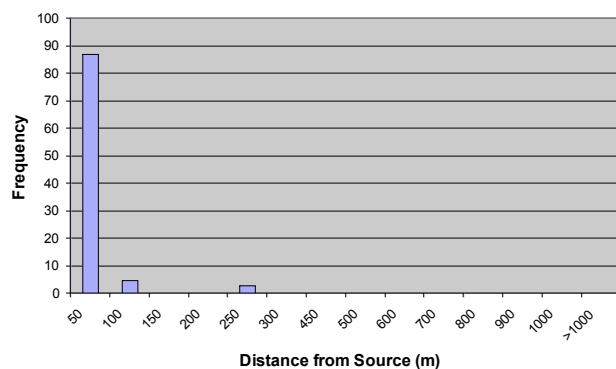


Charts for *Coloburiscoides* AV2

a) Altitude

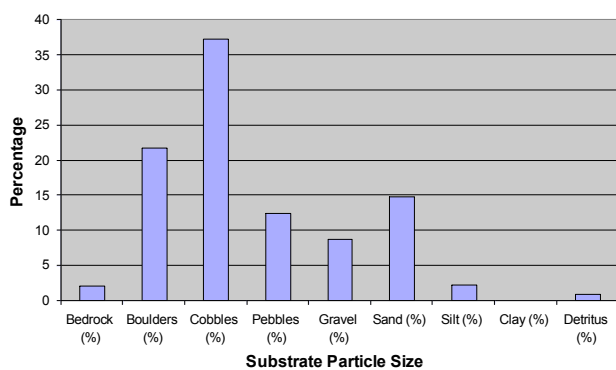


b) Distance from source

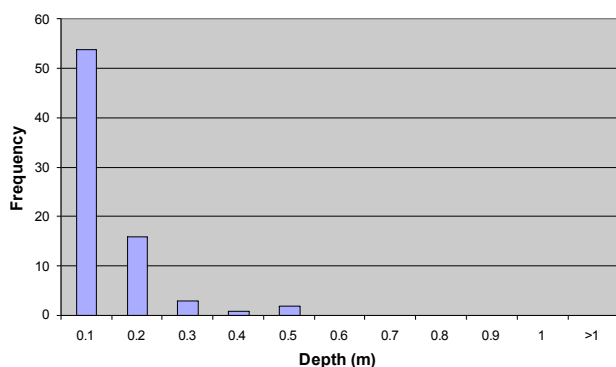




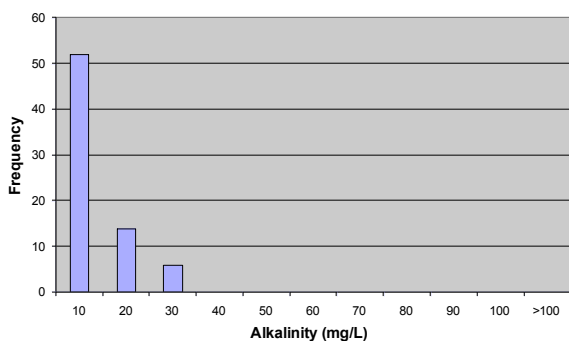
c) Substrate Particle Size



d) Depth



e) Alkalinity



f) Conductivity

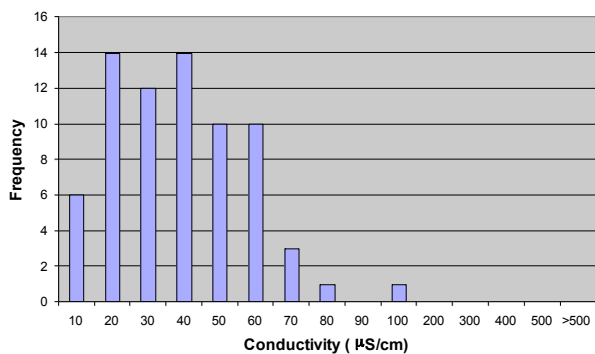




Table. Mean and median physical and chemical parameters for *Coloburiscoides* AV2.

	Mean	Median	Range	n
Altitude (m)	443	330	60-1700	96
Distance from source (km)	22.4	10.5	1.6-220	96
Width (m)	7.4	3.0	2-20	6
Depth (m)	0.09	0.05	0.01-0.5	76
Water Temperature	12.1	12.2	7-19	71
Conductivity (μ S/cm)	34	35	0-98	71
pH	7.1	7.2	5.9-8.0	71
Turbidity (NTU)	4.7	3.1	0-40	71
Oxidised Nitrogen (mg/L)	0.022	0.020	0-0.100	71
Total N (mg/L)	7.3	7.2	5.9-8.0	71
Total P (mg/L)				
Alkalinity (mg/L)	10.7	8.3	4.9-30	71

References

Campbell IC (1981) Biogeography of some rheophilous aquatic insects in the Australian region. *Aquatic Insects* **3**, 33-43.