

8.72 Avoca macroinvertebrate survey results

LAKE LALBERT

1997 Macroinvertebrate Data for Lake Lalbert							
				Water Quality		Vegetation	
	Collected by:	Ron Davies		pH	7.78	Red Gum Woodland	
	Date Collected:	17/12/97		Temp °C	22.8	with Black Box on	
	Identified by:	Lisa Cox		Cond.EC	3450	rises. Understorey of	
				DO mg/L	6.95	Tangled Lignum and	
				Turb.NTU	36	Cane Grass	
Results (% Abundance)							
Class/Order	Family	Site 1	Site 2	Site 3	Site 4	Site 5	Overall
Hirudinea	Glossiphonidae	0.3	0.0	0.0	0.0	0.0	0.1
Bivalvia	Hyriidae	0.0	0.0	0.0	0.3	0.0	0.1
Gastropoda	Ancylidae	0.0	0.0	0.0	0.0	1.0	0.2
	Lymnaeidae	21.7	0.0	0.0	0.0	0.0	4.3
	Planorbidae	13.7	12.0	1.0	3.3	12.0	8.4
	Physidae	4.0	10.3	0.3	11.3	8.7	6.9
Acarina	*	1.0	0.3	0.7	3.7	1.0	1.3
Cladocera	Daphniidae	0.7	0.3	1.3	15.0	6.0	4.7
Ostracoda	*	1.7	7.7	0.0	2.7	2.7	2.9
Calanoida	Boeckella	0.0	0.0	0.3	0.3	0.0	0.1
Decapoda	Atyidae	0.0	1.7	0.0	5.3	3.0	2.0
	Parastacidae	0.7	0.7	0.0	0.0	0.0	0.3
Coleoptera	Curculionodae	0.3	0.0	0.0	0.0	0.0	0.1
	Dytiscidae (A)	0.0	0.0	0.3	0.0	0.0	0.1
	Hydrophilidae (A)	0.7	0.0	0.0	0.0	0.0	0.1
Diptera	Chironimidae (L)	2.7	4.7	8.0	2.0	8.3	5.1
	Chironimidae (P)	0.3	0.3	2.7	2.0	0.7	1.2
	Muscidae	0.3	0.0	0.0	0.0	0.0	0.1
	Stratiomyidae	0.0	0.0	0.3	0.0	0.0	0.1
Ephemeroptera	Baetidae	4.7	10.7	2.0	5.0	4.0	5.3
	Caenidae	0.7	0.0	3.3	0.0	1.0	1.0
Hemiptera	Belostomidae	1.3	0.0	0.0	0.0	0.0	0.3
	Corixidae	11.7	1.3	62.0	14.0	1.3	18.1
	Notonectidae	0.3	0.0	0.0	0.0	0.0	0.1
Lepidoptera	Pyralidae	0.0	0.0	0.3	0.0	0.0	0.1
Anisoptera	Aeshnidae	1.3	1.0	0.0	1.0	2.3	1.1
	Corduliidae	1.7	2.3	1.3	1.0	2.3	1.7
	Libellulidae	0.7	8.0	0.0	0.0	0.0	1.7
Zygoptera	Coenogroniidae	25.7	21.0	12.3	31.0	32.0	24.4
Trichoptera	Ecnomidae	0.0	0.0	0.7	0.0	0.3	0.2
	Hydroptilidae	0.0	0.3	0.0	0.0	2.3	0.5
	Leptoceridae	4.0	17.3	3.0	2.0	11.0	7.5
Total Taxa		23	16	16	15	17	31
Total Percentage		100	100	100	100	100	100

* All specimens have been identified to Family level where practical.

Acarina, Cyclopoida and Ostracoda have been identified to a higher taxonomic level, usually Order.

L-Larva A-Adult P-Pupa

Interpretation

Lake Lalbert has a relatively large number of taxa present including Ephemeroptera and Trichoptera which are sensitive to organic pollution (Victorian Community Water Quality Monitoring Task Group 1996) and Ephemeroptera and Atyidae which are sensitive to large increases in salinity (Kefford 1997). The dominant taxa, Zygoptera and Hemiptera indicate medium water quality in terms of organic pollution (Victorian Community Water Quality Monitoring Task Group 1996).

(Davies 1997)

LAKE LALBERT HAS REMAINED DRY SINCE MARCH 1998