

Aquatic Invertebrate Data Sheet

Lake of Bays Township of Lake of Bays

Common Name	Site 1 ^R			Site 2			Scientific Name
	2004			2004			
	1	2	3	1	2	3	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms				3	1	1	Nematoda
Aquatic Earthworms	5	1	4	9	15	5	Oligochaeta
Leeches	1	1	7	1	2		Hirudinaea
Sow Bugs							Isopoda
Clams							Pelecypoda
Fairy Shrimp	77	75	63	60	50	64	Amphipoda
Crayfish							Decapoda
Mites	7	3	3	13	3	2	Hydracarina
Mayflies	3	9	9	7	5	10	Ephemeroptera
Dragonflies	3	6	7	5			Anisoptera
Damselflies	1	2	3				Zygoptera
Stoneflies							Plecoptera
True Bugs							Hemiptera
Fishflies & Alderflies	3	3					Megaloptera
Caddisflies				2	6	7	Trichoptera
Aquatic Moths							Lepidoptera
Beetles							Coleoptera
Snails & Limpets						1	Gastropoda
Midges	4	3	14	27	37	37	Chironomidae
Horse & Deer Flies			1		1	1	Tabanidae
Mosquitos							Culicidae
No-see-ums					1		Ceratopogonidae
Craneflies							Tipulidae
Blackflies							Simuliidae
Misc. True Flies							Misc. Diptera
Total Count	104	103	111	127	121	128	
Number of Taxa	9	9	9	9	10	9	
							Muskoka Average *
Richness		10			12		13
% EOT		14			11		26
% Chironimids		7			27		12
% Predators		16			8		24
% Shredders		0			4		2
% Collectors/Gatherers		84			87		69
Hilsenhoff Index		6.06			6.29		5.99

R = Reference Site

* The Muskoka Average is based on 73 samples collected at 44 reference sites between 2004 to 2008. Reference sites from five mesotrophic and nineteen oligotrophic lakes throughout Muskoka were used.