THE DISTRICT MUNICIPALITY OF MUSKOKA

Managing Our Legacy Together

Aquatic Invertebrate Data Sheet

Lake of Bays Stream

Township of Lake of Bays

Common Name	Site 1 [R] 2004			Site 2[R] 2011			Scientific Name
	1	2	3	1	2	3	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms	1	4			1		Nematoda
Aquatic Earthworms	2	13	13	2			Oligochaeta
Leeches					1		Hirudinaea
Sow Bugs							Isopoda
Clams				4	4	2	Pelecypoda
Fairy Shrimp	4	8	2			1	Amphipoda
Crayfish							Decapoda
Mites	4	2	5	8	2	10	Hydracarina
Mayflies	9	26	21	12	22	22	Ephemeroptera
Dragonflies		1					Anisoptera
Damselflies							Zygoptera
Stoneflies	6	1	15	6	7	17	Plecoptera
True Bugs							Hemiptera
Fishflies & Alderflies							Megaloptera
Caddisflies	17	11	26	13	9	12	Trichoptera
Aquatic Moths							Lepidoptera
Beetles	1	1		5	3	7	Coleoptera
Snails & Limpets					1		Gastropoda
Midges	61	65	16	88	75	37	Chironomidae
Horse & Deer Flies	1						Tabanidae
Mosquitos				1	1		Culicidae
No-see-ums				2	2		Ceratopogonidae
Craneflies		1	1				Tipulidae
Blackflies			5	5		2	Simuliidae
Misc. True Flies							Misc. Diptera
Total Count	106	133	104	146	128	110	
Number of Taxa	10	11	9	11	12	9	
							Muskoka Average *
Richness	13			15			**14**
% EOT	32			23			**22**
% Chironimids	41			52			**12**
% Predators	11			18			**23**
% Shredders	16			9			**3**
% Collectors/Gatherers	70			68			**70**
Hilsenhoff Index	5.70			5.80			**6.10**

R = Reference Site

* The Muskoka Average is based on 147 samples collected at 76 reference sites between 2004 and 2011. Reference sites from 9 mesotrophic and 26 oligotrophic lakes throughout Muskoka were used.