

Aquatic Invertebrate Data Sheet

Rebecca Lake Township of Lake of Bays

Common Name	Site 1 ^R						Scientific Name
	2009			2010			
	1	2	3	1	2	3	
Hydras							Coelenterata
Flatworms					1		Turbellaria
Roundworms				1			Nematoda
Aquatic Earthworms	14	10	16	3			Oligochaeta
Leeches		2	1				Hirudinaea
Sow Bugs							Isopoda
Clams			1				Pelecypoda
Fairy Shrimp	24	32	24	45	56	41	Amphipoda
Crayfish							Decapoda
Mites	9	15	29	21	4	5	Hydracarina
Mayflies	4	13	14	4	3	5	Ephemeroptera
Dragonflies	16	5	1	9	15	11	Anisoptera
Damselflies	6	2	2	3	6	9	Zygoptera
Stoneflies							Plecoptera
True Bugs				2	3	11	Hemiptera
Fishflies & Alderflies							Megaloptera
Caddisflies	1	5	4	2	2	3	Trichoptera
Aquatic Moths							Lepidoptera
Beetles	12	9	3	3	1	3	Coleoptera
Snails & Limpets				3	1	3	Gastropoda
Midges	40	31	25	16	14	19	Chironomidae
Horse & Deer Flies							Tabanidae
Mosquitos							Culicidae
No-see-ums	7	10	2		2		Ceratopogonidae
Craneflies							Tipulidae
Blackflies							Simuliidae
Misc. True Flies				1	1	1	Misc. Diptera
Total Count	133	134	122	113	109	111	
Number of Taxa	10	11	12	13	13	11	
							Muskoka Average *
Richness		12			15		13
% EOT		19			22		26
% Chironimids		25			15		12
% Predators		34			33		24
% Shredders		3			2		2
% Collectors/Gatherers		64			63		69
Hilsenhoff Index		6.19			5.95		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.