

Aquatic Invertebrate Data Sheet

**Peninsula Lake
Township of Lake of Bays**

Common Name	Site 1 ^R									Site 2 ^R			Scientific Name
	2004			2005			2008			2007			
	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras													Coelenterata
Flatworms	1							1			1		Turbellaria
Roundworms				1	1								Nematoda
Aquatic Earthworms	11	17	22	18	17	7	18	28	24			1	Oligochaeta
Leeches	5			1			2	2	5		3	8	Hirudinaea
Sow Bugs		4		18	9		4	46	12				Isopoda
Clams	1	1	1		2	3							Pelecypoda
Fairy Shrimp	45	30	42	43	42	88	51	37	43	117	95	85	Amphipoda
Crayfish													Decapoda
Mites					8	1		5	3	5	4	4	Hydracarina
Mayflies	41	19	9	10	16	5	14	9	25	1	2	1	Ephemeroptera
Dragonflies	3	4	2		6	3	1	1		2	1	2	Anisoptera
Damselflies		1									1		Zygoptera
Stoneflies	1		2				1						Plecoptera
True Bugs	1	1											Hemiptera
Fishflies & Alderflies		3	5	3		9				1		1	Megaloptera
Caddisflies	5	4	1	2	8	2	2		3	2	2		Trichoptera
Aquatic Moths													Lepidoptera
Beetles	8	4		11	2	5	3	10	6				Coleoptera
Snails & Limpets		12	2		2	3	1		2	2	4	1	Gastropoda
Midges	10	2	1			6	1			11	10	14	Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos													Culicidae
No-see-ums		1							2	1	3	1	Ceratopogonidae
Craneflies													Tipulidae
Blackflies													Simuliidae
Misc. True Flies	20	5	22					2					Misc. Diptera
Total Count	152	108	109	107	113	132	98	141	125	143	125	118	
Number of Taxa	13	15	11	9	11	11	11	10	10	10	10	10	
Richness		18			14			15			13		Muskoka Average * 13
% EOT		24			15			15			4		26
% Chironimids		4			2			0			9		12
% Predators		11			14			12			10		24
% Shredders		3			3			1			1		2
% Collectors/Gatherers		81			49			86			87		69
Hilsenhoff Index		5.86			4.28			6.49			6.11		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.