

Aquatic Invertebrate Data Sheet

Bella Lake Township of Lake of Bays

Common Name	Site 1 ^R						Site 2 ^R						Scientific Name
	2004			2005			2007			2008			
	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras													Coelenterata
Flatworms	2	1					5	9	7				Turbellaria
Roundworms	4	9	5	6	2	5							Nematoda
Aquatic Earthworms	20	9	4	3	1		7	7	11	6	4		Oligochaeta
Leeches										1	3	1	Hirudinaea
Sow Bugs													Isopoda
Clams		3	1										Pelecypoda
Fairy Shrimp	26	37	42	85	23	69	60	79	65	12	15	45	Amphipoda
Crayfish													Decapoda
Mites	2	4	7	1	6	5	1		5	18	11	8	Hydracarina
Mayflies	12	2	2	17	8	2	4	2	1	4	5	3	Ephemeroptera
Dragonflies	14	3	19	1	14		11	4	11	1	9	2	Anisoptera
Damselflies	2		4	1	6	1	1	2	3				Zygoptera
Stoneflies													Plecoptera
True Bugs											3		Hemiptera
Fishflies & Alderflies	2	1	1										Megaloptera
Caddisflies	4	8	5	5	4	6		1				1	Trichoptera
Aquatic Moths													Lepidoptera
Beetles	3	8	3	4	30	5			1		1		Coleoptera
Snails & Limpets	1	6	7		6	12	4	2	2		8		Gastropoda
Midges	48	40	29	12	20	10	21	14	20	33	22	16	Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos													Culicidae
No-see-ums	8	3	4		2		5	3	6	1	1		Ceratopogonidae
Craneflies													Tipulidae
Blackflies							1						Simuliidae
Misc. True Flies								3		21	15	8	Misc. Diptera
Total Count	148	134	133	135	122	115	120	126	132	97	97	84	
Number of Taxa	14	14	14	10	12	9	11	11	11	9	12	8	
													Muskoka Average *
Richness		15			13			14			13		13
% EOT		17			18			10			9		26
% Chironimids		28			11			15			26		12
% Predators		21			20			20			22		24
% Shredders		4			4			0			0		2
% Collectors/Gatherers		65			67			78			75		69
Hilsenhoff Index		6.05			5.77			6.08			6.12		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.