

Aquatic Invertebrate Data Sheet

Sunny Lake Town of Gravenhurst

Common Name	Site 1 ^R						Site 2 ^R						Scientific Name
	2005			2006			2007			2008			
	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras													Coelenterata
Flatworms													Turbellaria
Roundworms	4	2	3	4	3	5						1	Nematoda
Aquatic Earthworms					1				2			4	Oligochaeta
Leeches						1							Hirudinaea
Sow Bugs	14	22	22	19	13	20	7	8		3	6	11	Isopoda
Clams								1					Pelecypoda
Fairy Shrimp	56	50	55	23	45	59	68	60	36	55	21	43	Amphipoda
Crayfish													Decapoda
Mites	5	4			5	1	11	11	15	9	30	12	Hydracarina
Mayflies	10	5	5	30	19	8	5	15	17	4	3	5	Ephemeroptera
Dragonflies	18	10	10	11	19	19	6	4	10	2	8	6	Anisoptera
Damselflies	9	7	21	8	17	15	1	3	6	41	26	21	Zygoptera
Stoneflies													Plecoptera
True Bugs													Hemiptera
Fishflies & Alderflies			1										Megaloptera
Caddisflies	1				1	2			1	3			Trichoptera
Aquatic Moths	1												Lepidoptera
Beetles			2		1	5					1	1	Coleoptera
Snails & Limpets	3	1			2	1		4	2				Gastropoda
Midges	8	8	2	1	8	7	12	8	18	6	6	3	Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos		1	1							1			Culicidae
No-see-ums				2									Ceratopogonidae
Craneflies													Tipulidae
Blackflies													Simuliidae
Misc. True Flies												1	Misc. Diptera
Total Count	129	110	122	98	134	143	110	114	107	124	101	108	
Number of Taxa	11	10	11	8	12	12	7	9	9	9	8	11	
Richness		14			12			11			13		Muskoka Average * 13
% EOT		27			40			21			36		26
% Chironimids		5			4			12			5		12
% Predators		24			28			20			47		24
% Shredders		1			1			0			1		2
% Collectors/Gatherers		72			67			77			52		69
Hilsenhoff Index		6.29			6.04			6.09			6.34		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.