

Aquatic Invertebrate Data Sheet

South Muldrew Lake Town of Gravenhurst

Common Name	Site 1 ^R												Scientific Name	
	2004	2005	2012	2013	2014			2015			2016			
					1	2	3	1	2	3	1	2		3
Hydras	1													Coelenterata
Flatworms						1			1					Turbellaria
Roundworms	1										1			Nematoda
Aquatic Earthworms	27	1	19	3			2	10	9	19	7	10	11	Oligochaeta
Leeches	1		5				1	1	3		1	1	2	Hirudinaea
Sow Bugs										3				Isopoda
Clams		1	1	3	1						2			Pelecypoda
Fairy Shrimp	178	248	597	144	99	102	108	55	54	64	54	73	143	Amphipoda
Crayfish	1		1											Decapoda
Mites	58		55	64	36	3	8	13	6	7	14	6	14	Hydracarina
Mayflies	16	11	6	22	6	3	2	2	8		8	3	5	Ephemeroptera
Dragonflies	43	15	21	22	2	3	1	3	4		5	5	4	Anisoptera
Damselflies	25	11	8	12	1	1	3	1	7	1	1	4	2	Zygoptera
Stoneflies	1													Plecoptera
True Bugs			3	3										Hemiptera
Fishflies & Alderflies	1		1	2	1	1								Megaloptera
Caddisflies	1	4	1	1	3	1			1					Trichoptera
Aquatic Moths														Lepidoptera
Beetles	15		12	3		1	1	4	4	2	5	3	2	Coleoptera
Snails & Limpets	2	3	5	16		4	2				2		1	Gastropoda
Midges	6	16	79	36	34	23	14	21	9	9	31	32	26	Chironomidae
Horse & Deer Flies														Tabanidae
Mosquitos														Culicidae
No-see-ums	1	1	17	5		1	1	1	3	3	4	2	4	Ceratopogonidae
Craneflies														Tipulidae
Blackflies														Simuliidae
Misc. True Flies	1			8			5							Misc. Diptera
Total Count	379	311	831	344	183	144	148	111	109	108	135	139	214	
Number of Taxa	18	10	16	16	9	12	12	10	12	8	13	10	11	
														Muskoka Average *
Richness	17	11	16	15		16			13			13		14
% EOT	22	13	4	17		13			8			8		22
% Chironimids	2	5	10	11		14			12			18		12
% Predators	38	10	15	32		16			20			16		23
% Shredders	0	1	0	1		3			0			0		3
% Collectors/Gatherers	60	87	85	62		80			80			83		70
Hilsenhoff Index	5.96	6.00	6.10	6.03		6.76			6.3			6.24		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.