

Aquatic Invertebrate Data Sheet

South Muldrew Lake Town of Gravenhurst

Common Name	Site 1 ^R															Scientific Name	
	2004	2005	2012	2013	2014	2015	2016	2017			2018			2019			
								1	2	3	1	2	3	1	2		3
Hydras	1																Coelenterata
Flatworms					1	1											Turbellaria
Roundworms	1						1							9	10	1	Nematoda
Aquatic Earthworms	27	1	19	3	2	38	28	22	27	29	17	12	5	7	5	3	Oligochaeta
Leeches	1		5		1	4	4		1	1			1				Hirudinae
Sow Bugs						3								1	2		Isopoda
Clams		1	1	3	1		2									5	Pelecypoda
Fairy Shrimp	178	248	597	144	309	173	270	33	42	30	28	37	30	45	44	23	Amphipoda
Crayfish	1		1														Decapoda
Mites	58		55	64	47	26	34	20	19	33	31	38	57	15	19	16	Hydracarina
Mayflies	16	11	6	22	11	10	16	4	6	2	5	1		4	3	1	Ephemeroptera
Dragonflies	43	15	21	22	6	7	14	1	1	1	2		3	2	5	2	Anisoptera
Damselflies	25	11	8	12	5	9	7	2		2		1	1	4	5	2	Zygoptera
Stoneflies	1																Plecoptera
True Bugs			3	3													Hemiptera
Fishflies & Alderflies	1		1	2	2												Megaloptera
Caddisflies	1	4	1	1	4	1			2				1				Trichoptera
Aquatic Moths									1								Lepidoptera
Beetles	15		12	3	2	10	10	3	7	5		1		1	2	3	Coleoptera
Snails & Limpets	2	3	5	16	6		3	1						1	2	1	Gastropoda
Midges	6	16	79	36	71	39	89	6		12	23	11	7	6	3		Chironomidae
Horse & Deer Flies																	Tabanidae
Mosquitos								4	2								Culicidae
No-see-ums	1	1	17	5	2	7	10	7	2	6	2	10	3	6		4	Ceratopogonidae
Craneflies														4			Tipulidae
Blackflies																	Simuliidae
Misc. True Flies	1			8	5												Misc. Diptera
Total Count	379	311	831	344	475	328	488	103	110	121	108	111	108	105	105	62	
Number of Taxa	18	10	16	16	16	13	13	11	11	10	7	8	9	13	11	11	
																	Muskoka Average
Richness	17	11	16	15	16	13	13	14			11		14				
% EOT	22	13	4	17	13	8	8	6			4		10				
% Chironimids	2	5	10	11	14	12	18	5			13		3				
% Predators	38	10	15	32	16	20	16	33			46		36				
% Shredders	0	1	0	1	3	0	0	0.9			0		0				
% Collectors/Gatherers	60	87	85	62	80	80	83	66			54		55				
Hilsenhoff Index	5.96	6.00	6.10	6.03	6.76	6.30	6.24	6.43			6.29		6.05				

R = Reference Site

* The Muskoka Average is based on 200 samples collected at 82 reference sites between 2007 and 2016. Reference sites from 11 mesotrophic and 29 oligotrophic lakes throughout Muskoka were used.

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