

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				
								1	2	3	1	2		3	
Hydras	1														Coelenterata
Flatworms					1	1									Turbellaria
Roundworms	1						1								Nematoda
Aquatic Earthworms	27	1	19	3	2	38	28	22	27	29	17	12	5	Oligochaeta	
Leeches	1		5		1	4	4		1	1			1	Hirudinaea	
Sow Bugs						3								Isopoda	
Clams		1	1	3	1		2							Pelecypoda	
Fairy Shrimp	178	248	597	144	309	173	270	33	42	30	28	37	30	Amphipoda	
Crayfish	1		1											Decapoda	
Mites	58		55	64	47	26	34	20	19	33	31	38	57	Hydracarina	
Mayflies	16	11	6	22	11	10	16	4	6	2	5	1		Ephemeroptera	
Dragonflies	43	15	21	22	6	7	14	1	1	1	2		3	Anisoptera	
Damselflies	25	11	8	12	5	9	7	2		2		1	1	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		Coleoptera	
Snails & Limpets	2	3	5	16	6		3	1						Gastropoda	
Midges	6	16	79	36	71	39	89	6		12	23	11	7	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	Ceratopogonidae	
Craneflies														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		
Number of Taxa	18	10	16	16	16	13	13	11	11	10	7	8	9		
															Muskoka Average *
Richness	17	11	16	15	16	13	13	14			11			14	
% EOT	22	13	4	17	13	8	8	6			4			17	
% Chironimids	2	5	10	11	14	12	18	5			13			12	
% Predators	38	10	15	32	16	20	16	33			46			19	
% Shredders	0	1	0	1	3	0	0	0.9			0			3	
% Collectors/Gatherers	60	87	85	62	80	80	83	66			54			73	
Hilsenhoff Index	5.96	6.00	6.10	6.03	6.8	6.3	6.2	6.43			6.29			6.25	

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, 1 eutrophic and 29 oligotrophic lakes throughout Muskoka were used.