

Aquatic Invertebrate Data Sheet

South Muldrew Lake - Patterson's Bay Town of Gravenhurst

Common Name	Site 2 ^R						Site 3 ^R						Scientific Name	
	2005			2006			2007			2008				
	1	2	3	1	2	3	1	2	3	1	2	3		
Hydras														Coelenterata
Flatworms											1		1	Turbellaria
Roundworms	5	6	2	2	3	7					6	1		Nematoda
Aquatic Earthworms		2	1		1	1	2	5	6	4	3	8		Oligochaeta
Leeches	1					1			1			1		Hirudinaea
Sow Bugs							11	7	19	14	2	2		Isopoda
Clams														Pelecypoda
Fairy Shrimp	43	34	45	33	25	62	73	77	52	47	39	33		Amphipoda
Crayfish														Decapoda
Mites	13	11	8	11	7	13	13	13	13	45	45	40		Hydracarina
Mayflies	6	5	19	15	24	5	1	1	1	1	2	1		Ephemeroptera
Dragonflies	17	14	27	18	8	3	8	11	4	3	6	5		Anisoptera
Damselflies	7	12	29	16	13	22	6	2	5	9	26	16		Zygoptera
Stoneflies														Plecoptera
True Bugs		2	1	3	7	1								Hemiptera
Fishflies & Alderflies	1													Megaloptera
Caddisflies	2	2	4	3	2	4	1		1	1	2	4		Trichoptera
Aquatic Moths														Lepidoptera
Beetles	5	3	4	1	6	1	3	3	2	3	1	2		Coleoptera
Snails & Limpets	3	2	2	3	2	1			1		1			Gastropoda
Midges	8	4	13	11	9	11	8	6	3	9	12	6		Chironomidae
Horse & Deer Flies			2											Tabanidae
Mosquitos											1			Culicidae
No-see-ums	1	2		1		1		2		6	4	4		Ceratopogonidae
Craneflies														Tipulidae
Blackflies														Simuliidae
Misc. True Flies											4			Misc. Diptera
Total Count	112	99	157	117	107	133	126	127	108	143	154	124		
Number of Taxa	13	13	13	12	13	14	10	10	12	12	15	14		
Richness		16			14			13			17			Muskoka Average * 13
% EOT		39			37			11			18			26
% Chironimids		7			9			5			6			12
% Predators		44			37			24			52			24
% Shredders		2			3			1			2			2
% Collectors/Gatherers		49			55			75			45			69
Hilsenhoff Index		5.85			5.90			6.24			6.21			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.