

Aquatic Invertebrate Data Sheet

South Muldrew Lake Town of Gravenhurst

Common Name	Site 1 ^R						Site 4 ^R			Scientific Name
	2004			2005			2007			
	1	2	3	1	2	3	1	2	3	
Hydras			1							Coelenterata
Flatworms							2			Turbellaria
Roundworms	1									Nematoda
Aquatic Earthworms	6	10	11			1	3	1		Oligochaeta
Leeches			1							Hirudinaea
Sow Bugs										Isopoda
Clams						1				Pelecypoda
Fairy Shrimp	48	83	47	74	84	90	65	78	39	Amphipoda
Crayfish			1						1	Decapoda
Mites	7	29	22		3	3	13	7	13	Hydracarina
Mayflies	8	3	5	3	3	5	4	1	4	Ephemeroptera
Dragonflies	27	9	7	14		1	9	23	18	Anisoptera
Damselflies	20	3	2	8		3	4	6	7	Zygoptera
Stoneflies	1									Plecoptera
True Bugs										Hemiptera
Fishflies & Alderflies	1									Megaloptera
Caddisflies		1		3		1			2	Trichoptera
Aquatic Moths										Lepidoptera
Beetles	4	3	8				3	2		Coleoptera
Snails & Limpets		2		1	2			1		Gastropoda
Midges	5		1	3	7	6	9	11	30	Chironomidae
Horse & Deer Flies										Tabanidae
Mosquitos										Culicidae
No-see-ums	1					1	7	2	8	Ceratopogonidae
Craneflies										Tipulidae
Blackflies										Simuliidae
Misc. True Flies			1							Misc. Diptera
Total Count	129	143	107	106	99	112	119	132	122	
Number of Taxa	12	9	12	7	5	10	9	10	9	
										Muskoka Average *
Richness		17		11			13			13
% EOT		22		13			21			26
% Chironimids		2		5			13			12
% Predators		38		10			33			24
% Shredders		0		1			1			2
% Collectors/Gatherers		60		87			66			69
Hilsenhoff Index		5.96		6.00			6.00			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.