

Aquatic Invertebrate Data Sheet

Pine Lake Town of Gravenhurst

Common Name	Site 1 ^R						Scientific Name
	2008			2010			
	1	2	3	1	2	3	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms			2				Nematoda
Aquatic Earthworms	4	2	1	3	10		Oligochaeta
Leeches				1	1		Hirudinaea
Sow Bugs							Isopoda
Clams				1	1	4	Pelecypoda
Fairy Shrimp	7	10	34	52	20	33	Amphipoda
Crayfish							Decapoda
Mites	21	10	7	4	16	4	Hydracarina
Mayflies	2	2		10	9	5	Ephemeroptera
Dragonflies	3	8	10	16	25	18	Anisoptera
Damselflies	74	65	35	2	2	3	Zygoptera
Stoneflies							Plecoptera
True Bugs		1				1	Hemiptera
Fishflies & Alderflies							Megaloptera
Caddisflies	1	5	8			1	Trichoptera
Aquatic Moths							Lepidoptera
Beetles		1		4	6	1	Coleoptera
Snails & Limpets				1		7	Gastropoda
Midges	5	7	6	18	8	25	Chironomidae
Horse & Deer Flies							Tabanidae
Mosquitos							Culicidae
No-see-ums			3		5		Ceratopogonidae
Craneflies							Tipulidae
Blackflies							Simuliidae
Misc. True Flies	2						Misc. Diptera
Total Count	119	111	106	112	103	102	
Number of Taxa	9	10	9	11	11	11	
							Muskoka Average *
Richness		13		14			13
% EOT		63		29			26
% Chironimids		5		16			12
% Predators		71		34			24
% Shredders		4		0			2
% Collectors/Gatherers		24		61			69
Hilsenhoff Index		6.43		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.