

Aquatic Invertebrate Data Sheet

Kahshe Lake Town of Gravenhurst

Common Name	Site 2 ^R						Site 3 ^R						Scientific Name
	2004			2005			2006			2007			
	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras													Coelenterata
Flatworms								1			1		Turbellaria
Roundworms					2		1	12					Nematoda
Aquatic Earthworms	2			1			2	3	5			3	Oligochaeta
Leeches	1											1	Hirudinaea
Sow Bugs	78	79	49	51	41	31							Isopoda
Clams							1						Pelecypoda
Fairy Shrimp	28	21	40	29	50	35	30	60	43	59	89	71	Amphipoda
Crayfish													Decapoda
Mites	2	2	12	6	5	11	8	5	7	12	15	6	Hydracarina
Mayflies	1	1	2	14	11	10	9	5	17	25	16	14	Ephemeroptera
Dragonflies	2		2	9	4	5	13	6	10	3	4	8	Anisoptera
Damselflies				5	7	11	7	2	8	3	13	4	Zygoptera
Stoneflies													Plecoptera
True Bugs					1				2				Hemiptera
Fishflies & Alderflies				1			2						Megaloptera
Caddisflies					2	3	8	6	1		2	2	Trichoptera
Aquatic Moths													Lepidoptera
Beetles	1	1	2		2		8	7	2	2	3	2	Coleoptera
Snails & Limpets	1	1	1	3		1	6	2	2		3	1	Gastropoda
Midges	7	3	5	8	5	5	2	1	4	14	5	6	Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos													Culicidae
No-see-ums			1					1	1			2	Ceratopogonidae
Craneflies													Tipulidae
Blackflies													Simuliidae
Misc. True Flies													Misc. Diptera
Total Count	123	108	114	127	130	112	97	111	102	119	150	120	
Number of Taxa	10	7	9	10	11	9	13	13	12	7	9	12	
Richness		12		14			16			12			Muskoka Average * 13
% EOT		2		22			30			24			26
% Chironimids		4		5			2			6			12
% Predators		8		18			29			20			24
% Shredders		0		1			5			1			2
% Collectors/Gatherers		92		79			58			78			69
Hilsenhoff Index		7.23		6.62			5.71			5.89			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.