

Aquatic Invertebrate Data Sheet

Gilleach Lake Town of Bracebridge

Common Name	Site 1 ^R									Scientific Name
	2008			2009			2010			
	1	2	3	1	2	3	1	2	3	
Hydras										Coelenterata
Flatworms										Turbellaria
Roundworms				1			1			Nematoda
Aquatic Earthworms	1		1	9	10	2	1			Oligochaeta
Leeches	1			2		1				Hirudinaea
Sow Bugs										Isopoda
Clams							1		1	Pelecypoda
Fairy Shrimp	34	38	46	173	104	53	61	70	67	Amphipoda
Crayfish										Decapoda
Mites	8	8	4			2	2	1	1	Hydracarina
Mayflies	8			3	3	1	3		2	Ephemeroptera
Dragonflies	15	15	2	9	16	9	16	8		Anisoptera
Damselflies	1		8		2					Zygoptera
Stoneflies										Plecoptera
True Bugs									1	Hemiptera
Fishflies & Alderflies				3	12	5	1	4	6	Megaloptera
Caddisflies	12		8	27	12	13	16	8	7	Trichoptera
Aquatic Moths										Lepidoptera
Beetles		1	2	5	6			2	2	Coleoptera
Snails & Limpets										Gastropoda
Midges	39	36	23	21	29	46	14	16	18	Chironomidae
Horse & Deer Flies										Tabanidae
Mosquitos										Culicidae
No-see-ums	1	2	3	2	3		1		1	Ceratopogonidae
Craneflies										Tipulidae
Blackflies										Simuliidae
Misc. True Flies							1			Misc. Diptera
Total Count	120	100	97	255	197	132	118	109	106	
Number of Taxa	10	6	9	11	10	9	12	7	10	
Richness		11			13			14		Muskoka Average * 13
% EOT		22			16			18		26
% Chironimids		31			16			14		12
% Predators		22			13			14		24
% Shredders		6			9			9		2
% Collectors/Gatherers		71			78			76		69
Hilsenhoff Index		6.09			5.89			5.79		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.