

Aquatic Invertebrate Data Sheet

Bay Lake Township of Perry

Common Name	Site 1 ^R						Scientific Name
	2008			2009			
	1	2	3	1	2	3	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms	19	16	14				Nematoda
Aquatic Earthworms	3	5	4			6	Oligochaeta
Leeches	1	3					Hirudinaea
Sow Bugs							Isopoda
Clams		8	1				Pelecypoda
Fairy Shrimp	15	19	12	200	100	58	Amphipoda
Crayfish							Decapoda
Mites	21	22	22	35	32	14	Hydracarina
Mayflies	11	19	7	13	21	4	Ephemeroptera
Dragonflies	5	8	3	6	14	15	Anisoptera
Damselflies	3	4	4	4	1	4	Zygoptera
Stoneflies							Plecoptera
True Bugs						1	Hemiptera
Fishflies & Alderflies		2			28	12	Megaloptera
Caddisflies	4	13	8	9	9	13	Trichoptera
Aquatic Moths							Lepidoptera
Beetles		1		5	8	10	Coleoptera
Snails & Limpets	1	1			1	2	Gastropoda
Midges	43	40	30	52	100	33	Chironomidae
Horse & Deer Flies							Tabanidae
Mosquitos	1	2	1				Culicidae
No-see-ums	3					2	Ceratopogonidae
Craneflies							Tipulidae
Blackflies							Simuliidae
Misc. True Flies							Misc. Diptera
Total Count	130	163	106	324	314	174	
Number of Taxa	13	15	11	8	10	13	
							Muskoka Average *
Richness		16			13		13
% EOT		22			14		26
% Chironimids		28			23		12
% Predators		26			24		24
% Shredders		6			4		2
% Collectors/Gatherers		53			72		69
Hilsenhoff Index		6.07			5.93		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.