

Aquatic Invertebrate Data Sheet

Bay Lake Township of Perry

Common Name	Site 1 ^R									Scientific Name
	2008			2009			2014			
	1	2	3	1	2	3	1	2	3	
Hydras										Coelenterata
Flatworms										Turbellaria
Roundworms	19	16	14							Nematoda
Aquatic Earthworms	3	5	4			6	4	1		Oligochaeta
Leeches	1	3							1	Hirudinaea
Sow Bugs										Isopoda
Clams		8	1				4			Pelecypoda
Fairy Shrimp	15	19	12	200	100	58	24	28	3	Amphipoda
Crayfish										Decapoda
Mites	21	22	22	35	32	14	8	10	14	Hydracarina
Mayflies	11	19	7	13	21	4	14	6	9	Ephemeroptera
Dragonflies	5	8	3	6	14	15	2	3	2	Anisoptera
Damselflies	3	4	4	4	1	4	1	1	1	Zygoptera
Stoneflies										Plecoptera
True Bugs						1				Hemiptera
Fishflies & Alderflies		2			28	12	2	1	2	Megaloptera
Caddisflies	4	13	8	9	9	13	1	2		Trichoptera
Aquatic Moths										Lepidoptera
Beetles		1		5	8	10		6	5	Coleoptera
Snails & Limpets	1	1			1	2		1		Gastropoda
Midges	43	40	30	52	100	33	34	30	60	Chironomidae
Horse & Deer Flies										Tabanidae
Mosquitos	1	2	1							Culicidae
No-see-ums	3					2	3	9	8	Ceratopogonidae
Craneflies										Tipulidae
Blackflies										Simuliidae
Misc. True Flies							9	5	3	Misc. Diptera
Total Count	130	163	106	324	314	174	106	103	108	
Number of Taxa	13	15	11	8	10	13	12	13	11	
										Muskoka Average *
Richness		16			13			15		14
% EOT		22			14			13		22
% Chironimids		28			23			40		12
% Predators		26			24			25		23
% Shredders		6			4			1		3
% Collectors/Gatherers		53			72			73		70
Hilsenhoff Index		6.07			5.93			6.18		6.10

R = Reference Site

* The Muskoka Average is based on 147 samples collected at 76 reference sites between 2004 and 2011. Reference sites from 9 mesotrophic and 26 oligotrophic lakes throughout Muskoka were used.

