

Aquatic Invertebrate Data Sheet

Bay Lake Township of Perry

Common Name	Site 1 ^R												Scientific Name
	2008			2009			2014			2015			
	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras													Coelenterata
Flatworms													Turbellaria
Roundworms	19	16	14							2			Nematoda
Aquatic Earthworms	3	5	4			6	4	1		20	26	26	Oligochaeta
Leeches	1	3							1	1	4	4	Hirudinaea
Sow Bugs													Isopoda
Clams		8	1				4			3	1	4	Pelecypoda
Fairy Shrimp	15	19	12	200	100	58	24	28	3	25	6	1	Amphipoda
Crayfish													Decapoda
Mites	21	22	22	35	32	14	8	10	14	16	19	19	Hydracarina
Mayflies	11	19	7	13	21	4	14	6	9	1	5	7	Ephemeroptera
Dragonflies	5	8	3	6	14	15	2	3	2		8	1	Anisoptera
Damselflies	3	4	4	4	1	4	1	1	1		2	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		1	2	1	Trichoptera
Aquatic Moths													Lepidoptera
Beetles		1		5	8	10		6	5			2	Coleoptera
Snails & Limpets	1	1			1	2		1		1			Gastropoda
Midges	43	40	30	52	100	33	34	30	60	30	30	27	Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos	1	2	1										Culicidae
No-see-ums	3					2	3	9	8	2	4	1	Ceratopogonidae
Craneflies													Tipulidae
Blackflies													Simuliidae
Misc. True Flies							9	5	3			2	Misc. Diptera
Total Count	130	163	106	324	314	174	106	103	108	102	107	96	
Number of Taxa	13	15	11	8	10	13	12	13	11	11	11	13	
													Muskoka Average *
Richness		16			13			15			15		14
% EOT		22			14			13			10		22
% Chironimids		28			23			40			29		12
% Predators		26			24			25			28		23
% Shredders		6			4			1			1		3
% Collectors/Gatherers		53			72			73			68		70
Hilsenhoff Index		6.07			5.93			6.18			6.76		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.