

Aquatic Invertebrate Data Sheet

Bay Lake Township of Perry

Common Name	Site 1 ^R											Scientific Name	
	2008	2009	2014			2015			2018				
			1	2	3	1	2	3					
Hydras													Coelenterata
Flatworms												1	Turbellaria
Roundworms	49					2							Nematoda
Aquatic Earthworms	12	6	4	1		20	26	26	23	17	11		Oligochaeta
Leeches	4				1	1	4	4				2	Hirudinaea
Sow Bugs												5	Isopoda
Clams	9		4			3	1	4	2			2	Pelecypoda
Fairy Shrimp	46	158	24	28	3	25	6	1	31	7	27		Amphipoda
Crayfish												1	Decapoda
Mites	65	81	8	10	14	16	19	19	50	50	53		Hydracarina
Mayflies	37	38	14	6	9	1	5	7	7	6	19		Ephemeroptera
Dragonflies	16	35	2	3	2		8	1	5	2	5		Anisoptera
Damselflies	11	9	1	1	1		2	1					Zygoptera
Stoneflies												1	Plecoptera
True Bugs		1											Hemiptera
Fishflies & Alderflies	2	40	2	1	2								Megaloptera
Caddisflies	25	31	1	2		1	2	1					Trichoptera
Aquatic Moths													Lepidoptera
Beetles	1	23		6	5			2					Coleoptera
Snails & Limpets	2	3		1		1						3	Gastropoda
Midges	113	85	34	30	60	30	30	27	16	20	7		Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos	4												Culicidae
No-see-ums	3	2	3	9	8	2	4	1	8	6	2		Ceratopogonidae
Craneflies													Tipulidae
Blackflies													Simuliidae
Misc. True Flies			9	5	3			2					Misc. Diptera
Total Count	399	512	106	103	108	102	107	96	142	109	139		
Number of Taxa	13	8	12	13	11	11	11	13	8	7	14		
													Muskoka Average *
Richness	16	13		15			15			14			14
% EOT	22	14		13			10			11			17
% Chironimids	28	23		40			29			11			12
% Predators	26	24		25			28			48			19
% Shredders	6	4		1			1			0			3
% Collectors/Gatherers	53	72		73			68			51			73
Hilsenhoff Index	6.1	5.9		6.18			6.76			6.32			6.25

R = Reference Site

* The Muskoka Average is based on 200 samples collected at 82 reference sites between 2007 and 2016. Reference sites from 11 mesotrophic, 1 eutrophic and 29 oligotrophic lakes throughout Muskoka were used.