THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Barrons Lake

Town of Georgian Bay

Common Name	Site 1 [R]								Scientific Name
	2016	2017	2018	2019	2021	2022	2024	2025	
Hydras									Coelenterata
Flatworms					1		1		Turbellaria
Roundworms	1		1	57	2	17	15	7	Nematoda
Aquatic Earthworms	39	113	30	8	1	4	2	1	Oligochaeta
Leeches	4	3	1	1	2				Hirudinaea
Sow Bugs	159	59	127	99	7	10	31	26	Isopoda
Clams & Mussels	2	1	1				1		Bivalvia
Scuds	40	26	45	16	23	18	9	22	Amphipoda
Crayfish	5		1	1					Decapoda
Mites	31	54	58	145	52	46	18	47	Hydracarina
Mayflies	11	20	19	15	3	4	6		Ephemeroptera
Dragonflies	2	3	1	3	2	3	7	2	Anisoptera
Damselflies		1	1						Zygoptera
Stoneflies		1							Plecoptera
True Bugs					1				Hemiptera
Fishflies & Alderflies	2								Megaloptera
Caddisflies	3	11	1	1	1		4	1	Trichoptera
Aquatic Moths			1						Lepidoptera
Beetles		1	7	11				1	Coleoptera
Snails & Limpets	10	5	5	2	1	6	5		Gastropoda
Midges	49	24	22	1	7	6	5		Chironomidae
Horse & Deer Flies									Tabanidae
Mosquitos									Culicidae
No-see-ums	17	20	5				2		Ceratopogonidae
Craneflies			3						Tipulidae
Blackflies		1							Simuliidae
Misc. True Flies	1								Misc. Diptera
Total Count	376	343	329	360	103	114	106	107	
Number of Taxa	16	16	18	13	13	9	13	8	
									Muskoka Average *
Richness	16	16	18	13	13	9	13	8	**13**
% EOT	4	10	7	5	6	6	16	3	**17**
% Chironomids	13	7	7	0	7	5	5	0	**8**
% Predators	15	24	22	44	56	43	26	47	**24**
% Shredders	1	3	1	0	1	0	4	1	**2**
% Collectors/Gatherers	81	71	74	39	40	37	50	46	**68**
Hilsenhoff Index	7.18	6.96	6.3	6.33	6.16	6.14	6.38	5.89	**6.27**

R = reference site

* The Muskoka Average is based on 228 samples collected at 94 reference sites between 2013 and 2023. Data prior to 2021 is based on three subsamples (min. 300 count) per site while data from 2021 on is based on one sample (min. 100 count) per site.