THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Black Lake

Township of Muskoka Lakes

Common Name	Site 1[R]					Scientific Name
	2021	2022	2023	2024	2025	
Hydras						Coelenterata
Flatworms	1	5		2	2	Turbellaria
Roundworms	1	3	2	4	3	Nematoda
Aquatic Earthworms	1		12	3		Oligochaeta
Leeches						Hirudinaea
Sow Bugs	18	26	35	47	12	Isopoda
Clams & Mussels			2	1		Bivalvia
Scuds	24	12	26	31	37	Amphipoda
Crayfish						Decapoda
Mites	58	27	15	6	37	Hydracarina
Mayflies	2	6	8		3	Ephemeroptera
Dragonflies	7	5	4	2	4	Anisoptera
Damselflies	2	5	1		1	Zygoptera
Stoneflies						Plecoptera
True Bugs						Hemiptera
Fishflies & Alderflies			1			Megaloptera
Caddisflies	7	9	2		1	Trichoptera
Aquatic Moths						Lepidoptera
Beetles		1				Coleoptera
Snails & Limpets		2	1	1	1	Gastropoda
Midges	2	4	3	7	8	Chironomidae
Horse & Deer Flies						Tabanidae
Mosquitos						Culicidae
No-see-ums	1				9	Ceratopogonidae
Craneflies						Tipulidae
Blackflies						Simuliidae
Misc. True Flies						Misc. Diptera
Total Count	124	105	112	104	118	
Number of Taxa	12	12	13	10	12	
						Muskoka Average *
Richness	12	12	13	10	12	**13**
% EOT	15	24	13	2	8	**17**
% Chironomids	2	4	3	7	7	**8**
% Predators	56	41	19	10	45	**24**
% Shredders	7	9	2	0	1	**2**
% Collectors/Gatherers	38	46	75	85	51	**68**
Hilsenhoff Index	6.13	6.18	6.74	6.96	6.38	**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.

THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Black Lake

Township of Muskoka Lakes

Common Name	Site 2			Scientific Name
	2021	2022	2023	
Hydras				Coelenterata
Flatworms				Turbellaria
Roundworms	3	12	2	Nematoda
Aquatic Earthworms		1	6	Oligochaeta
Leeches	1			Hirudinaea
Sow Bugs	8	5	6	Isopoda
Clams & Mussels				Bivalvia
Scuds	84	54	37	Amphipoda
Crayfish				Decapoda
Mites	12	10	36	Hydracarina
Mayflies	2	2	5	Ephemeroptera
Dragonflies		10	8	Anisoptera
Damselflies	2	5		Zygoptera
Stoneflies				Plecoptera
True Bugs				Hemiptera
Fishflies & Alderflies			2	Megaloptera
Caddisflies	1	2		Trichoptera
Aquatic Moths				Lepidoptera
Beetles			2	Coleoptera
Snails & Limpets	1	2	3	Gastropoda
Midges		13	1	Chironomidae
Horse & Deer Flies				Tabanidae
Mosquitos				Culicidae
No-see-ums	2	1		Ceratopogonidae
Craneflies				Tipulidae
Blackflies				Simuliidae
Misc. True Flies		1		Misc. Diptera
Total Count	116	118	108	
Number of Taxa	10	13	11	
				Muskoka Average *
Richness	10	13	11	**13**
% EOT	4	16	12	**17**
% Chironomids	2	11	1	**8**
% Predators	13	22	44	**24**
% Shredders	1	2	0	**2**
% Collectors/Gatherers	83	64	51	**68**
Hilsenhoff Index	6.14	6.03	6.05	**6.27**

* 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.