THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Bass Lake

Township of Muskoka Lakes

Common Name	Site 1					Scientific Name
	2021	2022	2023	2024	2025	
Hydras						Coelenterata
Flatworms			1		1	Turbellaria
Roundworms		17	3	6	15	Nematoda
Aquatic Earthworms	1	1	6	1		Oligochaeta
Leeches	6	1		2		Hirudinaea
Sow Bugs	37	11	1	29	11	Isopoda
Clams & Mussels		2	2	7		Bivalvia
Scuds	27	35	36	37	36	Amphipoda
Crayfish						Decapoda
Mites	6	12	10	8	22	Hydracarina
Mayflies	5	2	14	1		Ephemeroptera
Dragonflies	6	3			1	Anisoptera
Damselflies	3		3	5	1	Zygoptera
Stoneflies						Plecoptera
True Bugs		1				Hemiptera
Fishflies & Alderflies			2		1	Megaloptera
Caddisflies	8	2	1			Trichoptera
Aquatic Moths					1	Lepidoptera
Beetles	1		1	4	3	Coleoptera
Snails & Limpets		2	6	2	5	Gastropoda
Midges	1	21	22	8	3	Chironomidae
Horse & Deer Flies						Tabanidae
Mosquitos				1		Culicidae
No-see-ums	1	2			4	Ceratopogonidae
Craneflies						Tipulidae
Blackflies						Simuliidae
Misc. True Flies						Misc. Diptera
Total Count	102	112	108	111	104	
Number of Taxa	12	14	14	13	13	
						Muskoka Average *
Richness	12	14	14	13	13	**13**
% EOT	22	6	17	5	2	**17**
% Chironomids	1	19	20	7	3	**8**
% Predators	23	17	16	17	32	**24**
% Shredders	8	2	1	0	1	**2**
% Collectors/Gatherers	70	63	73	69	48	**68**
Hilsenhoff Index	6.62	6.23	6.20	6.72	6.21	**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.

THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Bass Lake

Township of Muskoka Lakes

Common Name	Site 2[R]				Scientific Name
	2022	2023	2024	2025	
Hydras					Coelenterata
Flatworms	2	1		1	Turbellaria
Roundworms	18		9	14	Nematoda
Aquatic Earthworms	3	22	3		Oligochaeta
Leeches					Hirudinaea
Sow Bugs	27	21	21	16	Isopoda
Clams & Mussels	1		8		Bivalvia
Scuds	15	35	36	21	Amphipoda
Crayfish					Decapoda
Mites	18		11	28	Hydracarina
Mayflies			1	1	Ephemeroptera
Dragonflies	1	6	1		Anisoptera
Damselflies		3	5	4	Zygoptera
Stoneflies					Plecoptera
True Bugs		5			Hemiptera
Fishflies & Alderflies					Megaloptera
Caddisflies	1	2	3	2	Trichoptera
Aquatic Moths				1	Lepidoptera
Beetles		1		1	Coleoptera
Snails & Limpets		5	3		Gastropoda
Midges	18		16	6	Chironomidae
Horse & Deer Flies					Tabanidae
Mosquitos				2	Culicidae
No-see-ums	1		4	6	Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies					Misc. Diptera
Total Count	105	101	121	103	
Number of Taxa	11	10	13	13	
					Muskoka Average *
Richness	11	10	13	10	**13**
% EOT	2	11	8	11	**17**
% Chironomids	17	0	13	0	**8**
% Predators	21	16	17	16	**24**
% Shredders	1	2	2	2	**2**
% Collectors/Gatherers	60	77	64	77	**68**
Hilsenhoff Index	6.52	6.74	6.59	6.09	**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.