THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Bass Lake

Town of Gravenhurst

Common Name	Site 1						Scientific Name
	2016	2017	2019	2023	2024	2025	
Hydras							Coelenterata
Flatworms						1	Turbellaria
Roundworms			19		4	23	Nematoda
Aquatic Earthworms	35	128	7	2			Oligochaeta
Leeches	2	2	8			1	Hirudinaea
Sow Bugs	133	18	89	60	22	41	Isopoda
Clams & Mussels	1	1	2	4	3	1	Bivalvia
Scuds	99	44	136	16	53	28	Amphipoda
Crayfish					1		Decapoda
Mites	6	91	28	20	24	14	Hydracarina
Mayflies	9	13	6	19	1	2	Ephemeroptera
Dragonflies	8	6	13	8	3	1	Anisoptera
Damselflies		6		1	3	1	Zygoptera
Stoneflies			5				Plecoptera
True Bugs							Hemiptera
Fishflies & Alderflies	14		4				Megaloptera
Caddisflies		2	1				Trichoptera
Aquatic Moths							Lepidoptera
Beetles		1	16			1	Coleoptera
Snails & Limpets	6	11	2	4			Gastropoda
Midges	48	8	6	3	2	1	Chironomidae
Horse & Deer Flies							Tabanidae
Mosquitos						2	Culicidae
No-see-ums	5	1	2			19	Ceratopogonidae
Craneflies							Tipulidae
Blackflies					1		Simuliidae
Misc. True Flies			3				Misc. Diptera
Total Count	366	332	347	137	117	136	
Number of Taxa	12	14	17	10	11	14	
							Muskoka Average *
Richness	12	14	17	10	11	14	**13**
% EOT	5	8	6	20	6	3	**17**
% Chironomids	13	2	2	2	2	1	**8**
% Predators	10	32	22	21	26	28	**24**
% Shredders	0	1	0.3	0	0	0	**2**
% Collectors/Gathere	89	63	71	73	68	54	**68**
Hilsenhoff Index	6.96	6.90	6.32	6.82	6.40	6.12	**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

Town of Gravenhurst

Common Name	Site 2[R]					Scientific Name
	2016	2018	2021	2023	2024	
Hydras						Coelenterata
Flatworms						Turbellaria
Roundworms			14		3	Nematoda
Aquatic Earthworms	4	2	5	5		Oligochaeta
Leeches	1	1				Hirudinaea
Sow Bugs	83	240	28	30	27	Isopoda
Clams & Mussels					4	Bivalvia
Scuds	184	72	11	39	28	Amphipoda
Crayfish		2				Decapoda
Mites	35	20	66	8	18	Hydracarina
Mayflies	9	2	4	17	3	Ephemeroptera
Dragonflies	4	6	3	3	2	Anisoptera
Damselflies	2	1	6		2	Zygoptera
Stoneflies		6		1		Plecoptera
True Bugs					3	Hemiptera
Fishflies & Alderflies	4	9	1		1	Megaloptera
Caddisflies	4	1	1	3		Trichoptera
Aquatic Moths					1	Lepidoptera
Beetles	3		4		3	Coleoptera
Snails & Limpets		11	4	5	3	Gastropoda
Midges	3	2	10	3	7	Chironomidae
Horse & Deer Flies		3				Tabanidae
Mosquitos						Culicidae
No-see-ums	1		7			Ceratopogonidae
Craneflies						Tipulidae
Blackflies						Simuliidae
Misc. True Flies						Misc. Diptera
Total Count	337	378	164	114	105	
Number of Taxa	13	15	14	10	14	
						Muskoka Average *
Richness	13	15	14	10	14	**13**
% EOT	6	3	9	20	7	**17**
% Chironomids	1	1	6	3	7	**8**
% Predators	15	13	53	11	28	**24**
% Shredders	1	0	1	3	1	**2**
% Collectors/Gatherers	84	84	35	82	62	**68**
Hilsenhoff Index	6.43	7.18	6.32	6.41	6.52	**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.