THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Silver Lake

Township of Muskoka Lakes

Common Name	Site 1[R]					Scientific Name
	2021	2022	2023	2024	2025	
Hydras						Coelenterata
Flatworms						Turbellaria
Roundworms	14	8	2	3		Nematoda
Aquatic Earthworms	4	1	2	3		Oligochaeta
Leeches		4				Hirudinaea
Sow Bugs	37	55	26	10	17	Isopoda
Clams & Mussels			1	5		Bivalvia
Scuds	10	12	2	1	18	Amphipoda
Crayfish			1			Decapoda
Mites	9	8	30	29	47	Hydracarina
Mayflies	4	15	3	6		Ephemeroptera
Dragonflies	1	2	11	7	5	Anisoptera
Damselflies	2	1	7	2	3	Zygoptera
Stoneflies		1				Plecoptera
True Bugs						Hemiptera
Fishflies & Alderflies						Megaloptera
Caddisflies	10	4	1	6	1	Trichoptera
Aquatic Moths					1	Lepidoptera
Beetles		1	1	2		Coleoptera
Snails & Limpets		3	9	17		Gastropoda
Midges	21	2	9	12	16	Chironomidae
Horse & Deer Flies						Tabanidae
Mosquitos						Culicidae
No-see-ums	3			5	17	Ceratopogonidae
Craneflies						Tipulidae
Blackflies						Simuliidae
Misc. True Flies		5				Misc. Diptera
Total Count	115	122	105	108	125	
Number of Taxa	11	15	14	14	9	
						Muskoka Average *
Richness	11	15	14	14	9	**13**
% EOT	15	19	21	19	7	**17**
% Chironomids	18	2	9	11	13	**8**
% Predators	13	14	47	42	58	**24**
% Shredders	9	3	1	6	2	**2**
% Collectors/Gatherers	66	74	41	30	41	**68**
Hilsenhoff Index	6.57	6.66	6.60	6.32	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.

THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Silver Lake

Township of Muskoka Lakes

Common Name	Site 2		Scientific Name
	2021	2022	
Hydras			Coelenterata
Flatworms	3	2	Turbellaria
Roundworms	4	1	Nematoda
Aquatic Earthworms	1	1	Oligochaeta
Leeches			Hirudinaea
Sow Bugs	47	39	Isopoda
Clams & Mussels			Bivalvia
Scuds	17	38	Amphipoda
Crayfish			Decapoda
Mites	40	8	Hydracarina
Mayflies	3	2	Ephemeroptera
Dragonflies	8	5	Anisoptera
Damselflies			Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies			Megaloptera
Caddisflies	12	6	Trichoptera
Aquatic Moths		1	Lepidoptera
Beetles			Coleoptera
Snails & Limpets	4	4	Gastropoda
Midges	4	4	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums	1	2	Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	144	113	
Number of Taxa	12	13	
			Muskoka Average *
Richness	12	13	**13**
% EOT	16	12	**17**
% Chironomids	3	4	**8**
% Predators	36	15	**24**
% Shredders	8	6	**2**
% Collectors/Gatherers	50	74	**68**
Hilsenhoff Index	6.41	6.57	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Silver Lake

Township of Muskoka Lakes

Common Name	Site 3			Scientific Name
	2023	2024	2025	
Hydras				Coelenterata
Flatworms	3	2		Turbellaria
Roundworms	2			Nematoda
Aquatic Earthworms	1		1	Oligochaeta
Leeches			1	Hirudinaea
Sow Bugs	36	55	283	Isopoda
Clams & Mussels				Bivalvia
Scuds	25	19	24	Amphipoda
Crayfish			1	Decapoda
Mites	32	27	43	Hydracarina
Mayflies		3	2	Ephemeroptera
Dragonflies	5	3	2	Anisoptera
Damselflies		1		Zygoptera
Stoneflies				Plecoptera
True Bugs				Hemiptera
Fishflies & Alderflies				Megaloptera
Caddisflies	2	1	3	Trichoptera
Aquatic Moths				Lepidoptera
Beetles			2	Coleoptera
Snails & Limpets	3	5		Gastropoda
Midges	10	9	4	Chironomidae
Horse & Deer Flies				Tabanidae
Mosquitos	1			Culicidae
No-see-ums		1	5	Ceratopogonidae
Craneflies				Tipulidae
Blackflies	1			Simuliidae
Misc. True Flies				Misc. Diptera
Total Count	121	126	371	
Number of Taxa	12	11	12	
				Muskoka Average *
Richness	12	11	12	**13**
% EOT	6	6	2	**17**
% Chironomids	8	7	1	**8**
% Predators	33	27	14	**24**
% Shredders	2	1	1	**2**
% Collectors/Gatherers	60	68	85	**68**
Hilsenhoff Index	6.60	6.90	6.33	**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.