THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet
North Muldrew Lake
Town of Gravenhurst

Common Name	Site 1 [R]				Scientific Name
	2006	2007	2024	2025	
Hydras					Coelenterata
Flatworms					Turbellaria
Roundworms	5			1	Nematoda
Aquatic Earthworms	1	13	1		Oligochaeta
Leeches	1	1			Hirudinaea
Sow Bugs	21	149	16	14	Isopoda
Clams & Mussels		52			Bivalvia
Scuds	162	113	19	33	Amphipoda
Crayfish			1	2	Decapoda
Mites	5	16	21	11	Hydracarina
Mayflies	56	10	10	44	Ephemeroptera
Dragonflies	14	13	9	8	Anisoptera
Damselflies	33	24	10	22	Zygoptera
Stoneflies					Plecoptera
True Bugs			1		Hemiptera
Fishflies & Alderflies					Megaloptera
Caddisflies	4	3	1	2	Trichoptera
Aquatic Moths					Lepidoptera
Beetles	10	5	1		Coleoptera
Snails & Limpets	4		7	4	Gastropoda
Midges	39	43	3	17	Chironomidae
Horse & Deer Flies					Tabanidae
Mosquitos					Culicidae
No-see-ums	3	9	4	9	Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies					Misc. Diptera
Total Count	358	451	104	167	
Number of Taxa	14	13	14	12	
					Muskoka Average *
Richness	15	13	14	12	**13**
% EOT	30	11	29	46	**17**
% Chironimids	11	10	3	10	**8**
% Predators	19	15	44	30	**24**
% Shredders	1	1	1	1.2	**2**
% Collectors/Gatherers	79	66	48	66	**68**
Hilsenhoff Index	6.16	6.48	6.29	5.82	**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

North Muldrew Lake

Town of Gravenhurst

Common Name	Site 2 2014	Scientific Name
Hydras		Coelenterata
Flatworms		Turbellaria
Roundworms	2	Nematoda
Aquatic Earthworms	1	Oligochaeta
Leeches		Hirudinaea
Sow Bugs		Isopoda
Clams & Mussels	7	Bivalvia
Scuds	213	Amphipoda
Crayfish	1	Decapoda
Mites	74	Hydracarina
Mayflies	24	Ephemeroptera
Dragonflies	35	Anisoptera
Damselflies	29	Zygoptera
Stoneflies	26	Plecoptera
True Bugs	2	Hemiptera
Fishflies & Alderflies	3	Megaloptera
Caddisflies	32	Trichoptera
Aquatic Moths		Lepidoptera
Beetles	7	Coleoptera
Snails & Limpets	23	Gastropoda
Midges	49	Chironomidae
Horse & Deer Flies		Tabanidae
Mosquitos		Culicidae
No-see-ums	8	Ceratopogonidae
Craneflies		Tipulidae
Blackflies		Simuliidae
Misc. True Flies	3	Misc. Diptera
Total Count	539	
Number of Taxa	18	
		Muskoka Average *
Richness	18	**13**
% EOT	22	**17**
% Chironomids	9	**8**
% Predators	34	**24**
% Shredders	6	**2**
% Collectors/Gatherers	54	**68**
Hilsenhoff Index	5.70	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

North Muldrew Lake

Town of Gravenhurst

Common Name	Site 3		Scientific Name
	2022	2024	
Hydras			Coelenterata
Flatworms	3		Turbellaria
Roundworms	9	5	Nematoda
Aquatic Earthworms	4	2	Oligochaeta
Leeches		1	Hirudinaea
Sow Bugs	21	13	Isopoda
Clams & Mussels	1		Bivalvia
Scuds	46	39	Amphipoda
Crayfish			Decapoda
Mites	70	9	Hydracarina
Mayflies	3	10	Ephemeroptera
Dragonflies	20	8	Anisoptera
Damselflies	18	3	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies	1		Megaloptera
Caddisflies	18	1	Trichoptera
Aquatic Moths			Lepidoptera
Beetles	2	1	Coleoptera
Snails & Limpets	10	4	Gastropoda
Midges	14	3	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums	8	4	Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies	1		Misc. Diptera
Total Count	249	103	
Number of Taxa	17	14	
			Muskoka Average *
Richness	17	14	**13**
% EOT	24	21	**17**
% Chironomids	6	2.9	**8**
% Predators	49	25	**24**
% Shredders	7	1	**2**
% Collectors/Gatherers	36	65	**68**
Hilsenhoff Index	6.1	6.2	**6.27**

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