THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Sunny Lake

Town of Gravenhurst

Common Name	Site 1[R]				Scientific Name
	2005	2006	2023	2024	
Hydras					Coelenterata
Flatworms					Turbellaria
Roundworms	9	12	1	5	Nematoda
Aquatic Earthworms		1	13	5	Oligochaeta
Leeches		1			Hirudinaea
Sow Bugs	58	52	5	10	Isopoda
Clams & Mussels				2	Bivalvia
Scuds	161	127		9	Amphipoda
Crayfish					Decapoda
Mites	9	6	31	5	Hydracarina
Mayflies	20	57	4	4	Ephemeroptera
Dragonflies	38	49	8	6	Anisoptera
Damselflies	37	40		1	Zygoptera
Stoneflies					Plecoptera
True Bugs					Hemiptera
Fishflies & Alderflies	1				Megaloptera
Caddisflies	1	3	1	1	Trichoptera
Aquatic Moths	1			1	Lepidoptera
Beetles	2	6		1	Coleoptera
Snails & Limpets	4	3	9	10	Gastropoda
Midges	18	16	30	45	Chironomidae
Horse & Deer Flies					Tabanidae
Mosquitos	2				Culicidae
No-see-ums		2		1	Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies					Misc. Diptera
Total Count	361	375	102	106	
Number of Taxa	14	14	9	15	
					Muskoka Average *
Richness	14	12	9	15	**13**
% EOT	27	40	13	11	**17**
% Chironomids	5	4	29	42	**8**
% Predators	24	28	38	13	**24**
% Shredders	1	1	1	2	**2**
% Collectors/Gatherers	72	67	51	69	**68**
Hilsenhoff Index	6.29	6.04	6.59	6.67	**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

Sunny Lake

Town of Gravenhurst

Common Name	Site 2[R]							Scientific Name
	2007	2008	2013	2017	2022	2023	2024	
Hydras								Coelenterata
Flatworms						2	1	Turbellaria
Roundworms		1	5	1	2	1		Nematoda
Aquatic Earthworms	2	4	4	20	1	11	5	Oligochaeta
Leeches				3				Hirudinaea
Sow Bugs	15	20	46	12	14	11	5	Isopoda
Clams & Mussels	1		1	3				Bivalvia
Scuds	164	119	124	38	58	18	31	Amphipoda
Crayfish					1			Decapoda
Mites	37	51	53	76	7	20	22	Hydracarina
Mayflies	37	12	18	85	23	8	4	Ephemeroptera
Dragonflies	20	16	103	25	2	4	21	Anisoptera
Damselflies	10	88	38	10	2			Zygoptera
Stoneflies								Plecoptera
True Bugs					1			Hemiptera
Fishflies & Alderflies			2				1	Megaloptera
Caddisflies	1	3	5	2		1	1	Trichoptera
Aquatic Moths						1	1	Lepidoptera
Beetles		2	7	2	1		1	Coleoptera
Snails & Limpets	6		33	14	2	3	6	Gastropoda
Midges	38	15	32	30	2	25	19	Chironomidae
Horse & Deer Flies								Tabanidae
Mosquitos		1						Culicidae
No-see-ums			4	5	1		1	Ceratopogonidae
Craneflies								Tipulidae
Blackflies								Simuliidae
Misc. True Flies		1	1					Misc. Diptera
Total Count	331	333	476	326	117	105	119	
Number of Taxa	11	13	16	15	14	12	14	
								Muskoka Average *
Richness	11	13	16	15	14	12	14	**13**
% EOT	21	36	35	37	23	12	22	**17**
% Chironomids	12	5	7	9	2	24	16	**8**
% Predators	20	47	43	37	12	25	39	**24**
% Shredders	0	1	1	0.6	0	2	2	**2**
% Collectors/Gatherers	77	52	47	56	85	70	54	**68**
Hilsenhoff Index	6.09	6.34	6.11	6.03	6.05	6.50	6.10	**6.27**

R = Reference Site

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Sunny Lake

Town of Gravenhurst

Common Name	Site 3		Scientific Name
	2014	2023	
Hydras			Coelenterata
Flatworms			Turbellaria
Roundworms		3	Nematoda
Aquatic Earthworms		6	Oligochaeta
Leeches	9	1	Hirudinaea
Sow Bugs	168	25	Isopoda
Clams & Mussels		1	Bivalvia
Scuds	170	14	Amphipoda
Crayfish			Decapoda
Mites	28	10	Hydracarina
Mayflies		2	Ephemeroptera
Dragonflies	29	6	Anisoptera
Damselflies	8	22	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies	1		Megaloptera
Caddisflies	5	1	Trichoptera
Aquatic Moths			Lepidoptera
Beetles			Coleoptera
Snails & Limpets	2	4	Gastropoda
Midges	46	10	Chironomidae
Horse & Deer Flies	1		Tabanidae
Mosquitos			Culicidae
No-see-ums			Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies	2		Misc. Diptera
Total Count	469	105	
Number of Taxa	12	13	
			Muskoka Average *
Richness	11	13	**13**
% EOT	9	30	**17**
% Chironomids	10	10	**8**
% Predators	16	37	**24**
% Shredders	1	1	**2**
% Collectors/Gatherers	83	54	**68**
Hilsenhoff Index	6.78	6.85	**6.27**

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