THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Loon Lake

Town of Gravenhurst

Common Name	Site 1 R				Scientific Name
	2009	2014	2015	2024	
Hydras					Coelenterata
Flatworms			1		Turbellaria
Roundworms	1			14	Nematoda
Aquatic Earthworms	9	3	38	2	Oligochaeta
Leeches		3	2		Hirudinaea
Sow Bugs	364	193	249	72	Isopoda
Clams & Mussels			1		Bivalvia
Scuds	329	145	83	8	Amphipoda
Crayfish		2	4		Decapoda
Mites	11	32	9	1	Hydracarina
Mayflies	23	19	31	12	Ephemeroptera
Dragonflies	5	11	2	2	Anisoptera
Damselflies	9	3	3	1	Zygoptera
Stoneflies		1	1		Plecoptera
True Bugs					Hemiptera
Fishflies & Alderflies		4			Megaloptera
Caddisflies	8	11	2		Trichoptera
Aquatic Moths		3	1		Lepidoptera
Beetles	23	4	27	1	Coleoptera
Snails & Limpets	1	10	3	2	Gastropoda
Midges	4	35	5	1	Chironomidae
Horse & Deer Flies					Tabanidae
Mosquitos		2			Culicidae
No-see-ums	2	4		7	Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies		6	3		Misc. Diptera
Total Count	789	491	465	123	
Number of Taxa	13	19	18	12	
					Muskoka Average *
Richness	13	19	18	12	**13**
% EOT	6	9	8	12	**17**
% Chironomids	1	7	1	1	**8**
% Predators	6	13	10	10	**24**
% Shredders	1	3	1	0	**2**
% Collectors/Gatherers	92	83	89	77	**68**
Hilsenhoff Index	6.85	6.62	7.05	6.99	**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

Loon Lake

Town of Gravenhurst

Common Name	Site 2		Scientific Name
	2016	2017	
Hydras		1	Coelenterata
Flatworms	11	3	Turbellaria
Roundworms		1	Nematoda
Aquatic Earthworms	38	45	Oligochaeta
Leeches	2	1	Hirudinaea
Sow Bugs	187	69	Isopoda
Clams & Mussels		2	Bivalvia
Scuds	157	133	Amphipoda
Crayfish	1		Decapoda
Mites	38	73	Hydracarina
Mayflies	46	6	Ephemeroptera
Dragonflies		2	Anisoptera
Damselflies	6	3	Zygoptera
Stoneflies			Plecoptera
True Bugs		4	Hemiptera
Fishflies & Alderflies	3	2	Megaloptera
Caddisflies	3		Trichoptera
Aquatic Moths			Lepidoptera
Beetles	25	3	Coleoptera
Snails & Limpets	6	7	Gastropoda
Midges	33	7	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums	1	1	Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	557	363	
Number of Taxa	15	18	
			Muskoka Average *
Richness	15	18	**13**
% EOT	10	3	**17**
% Chironomids	6	2	**8**
% Predators	15	25	**24**
% Shredders	1	0	**2**
% Collectors/Gatherers	83	71	**68**
Hilsenhoff Index	6.66	6.60	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Loon Lake

Town of Gravenhurst

Common Name	Site 3[R]		Scientific Name
	2021	2022	
Hydras			Coelenterata
Flatworms			Turbellaria
Roundworms	18	31	Nematoda
Aquatic Earthworms	7	2	Oligochaeta
Leeches	1	2	Hirudinaea
Sow Bugs	172	28	Isopoda
Clams & Mussels			Bivalvia
Scuds	47	13	Amphipoda
Crayfish			Decapoda
Mites	29	12	Hydracarina
Mayflies	50	9	Ephemeroptera
Dragonflies		2	Anisoptera
Damselflies	2	3	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies			Megaloptera
Caddisflies	6		Trichoptera
Aquatic Moths			Lepidoptera
Beetles			Coleoptera
Snails & Limpets	2		Gastropoda
Midges	22	20	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums	8	1	Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	364	123	
Number of Taxa	12	11	
			Muskoka Average *
Richness	12	11	**13**
% EOT	16	11	**17**
% Chironomids	6	16	**8**
% Predators	11	16	**24**
% Shredders	2	0	**2**
% Collectors/Gatherers	82	59	**68**
Hilsenhoff Index	6.84	6.37	**6.27**

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