THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Otter Lake

Town of Huntsville

Common Name	Site 1[R]									Scientific Name
	2008	2013	2015	2016	2017	2018	2019	2023	2024	
Hydras										Coelenterata
Flatworms				1			1		1	Turbellaria
Roundworms					1		17	3		Nematoda
Aquatic Earthworms	6	2	11	7	11	10	10		1	Oligochaeta
Leeches	1			2	2	2		2		Hirudinaea
Sow Bugs						5				Isopoda
Clams & Mussels	23	10	8	1	2	9	87	1	1	Bivalvia
Scuds	116	123	200	324	148	251	92	40	44	Amphipoda
Crayfish										Decapoda
Mites	11	8	5	3	8	12	9	7	8	Hydracarina
Mayflies	9	17	34	27	16		1	16	12	Ephemeroptera
Dragonflies	11	8	4	15	11	24	23	5	4	Anisoptera
Damselflies		4	3	10		13	2	1	5	Zygoptera
Stoneflies		1				12	2			Plecoptera
True Bugs				3			2			Hemiptera
Fishflies & Alderflies	1	19	2	12	3	14				Megaloptera
Caddisflies	19	19	14	25	15	12	13	9	8	Trichoptera
Aquatic Moths	1							1		Lepidoptera
Beetles	5	5	3	6	2	3	8	1		Coleoptera
Snails & Limpets	8	24		4	3	11	4	6	13	Gastropoda
Midges	53	63	68	22	30	38	33	13	15	Chironomidae
Horse & Deer Flies	1		2	1			4			Tabanidae
Mosquitos					8		5			Culicidae
No-see-ums	1	8	2	6	2	1	3			Ceratopogonidae
Craneflies							1			Tipulidae
Blackflies										Simuliidae
Misc. True Flies		1			1		2			Misc. Diptera
Total Count	266	312	356	469	263	417	319	105	112	
Number of Taxa	15	15	13	17	16	15	20	13	11	
										Muskoka Average *
Richness	14	15	13	17	16	14	21	13	11	**13**
% EOT	15	15	15	16	16	12	12	30	26	**17**
% Chironomids	20	20	19	5	11	9	10	12	13	**8**
% Predators	12	17	6	13	11	19	17	15	16	**24**
% Shredders	7	6	4	5	6	3	4	10	7	**2**
% Collectors/Gatherers	69	66	88	81	81	73	45	66	64	**68**
Hilsenhoff Index	6.18	5.99	6.10	5.84	6.03	5.75	6.46	5.83	6.03	**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

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Otter Lake

Town of Huntsville

Common Name	Site 2				Scientific Name
	2012	2014	2022	2025	
Hydras					Coelenterata
Flatworms	3				Turbellaria
Roundworms		1		5	Nematoda
Aquatic Earthworms	12	10		1	Oligochaeta
Leeches	1	1	1		Hirudinaea
Sow Bugs					Isopoda
Clams & Mussels	27	2	1		Bivalvia
Scuds	31	63	113	28	Amphipoda
Crayfish					Decapoda
Mites	94	50	8	6	Hydracarina
Mayflies	9	7	10	21	Ephemeroptera
Dragonflies	49	51		20	Anisoptera
Damselflies	23	19	1	4	Zygoptera
Stoneflies		1			Plecoptera
True Bugs			3		Hemiptera
Fishflies & Alderflies	10	8		9	Megaloptera
Caddisflies	39	15	3	16	Trichoptera
Aquatic Moths				1	Lepidoptera
Beetles	5	2		8	Coleoptera
Snails & Limpets	21	15	2	1	Gastropoda
Midges	51	65	8	19	Chironomidae
Horse & Deer Flies			1		Tabanidae
Mosquitos				4	Culicidae
No-see-ums	2	16	2		Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies	1	1	2		Misc. Diptera
Total Count	378	327	155	143	
Number of Taxa	16	17	13	14	
					Muskoka Average *
Richness	16	17	11	14	**13**
% EOT	32	28	9	43	**17**
% Chironomids	14	20	5	13	**8**
% Predators	50	45	11	33	**24**
% Shredders	10	5	2	12	**2**
% Collectors/Gatherers	27	45	86	51	**68**
Hilsenhoff Index	5.99	6.03	5.97	6.46	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Otter Lake

Town of Huntsville

Common Name	Site 3[R]		Scientific Name
	2023	2024	
Hydras			Coelenterata
Flatworms		4	Turbellaria
Roundworms	2	2	Nematoda
Aquatic Earthworms	2	4	Oligochaeta
Leeches	1		Hirudinaea
Sow Bugs	1		Isopoda
Clams & Mussels	8	6	Bivalvia
Scuds	17	12	Amphipoda
Crayfish			Decapoda
Mites	10	12	Hydracarina
Mayflies	16	2	Ephemeroptera
Dragonflies	9	5	Anisoptera
Damselflies		5	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies	18	33	Megaloptera
Caddisflies	8	8	Trichoptera
Aquatic Moths			Lepidoptera
Beetles			Coleoptera
Snails & Limpets	13		Gastropoda
Midges	6	31	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums			Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	111	124	
Number of Taxa	13	12	
			Muskoka Average *
Richness	13	12	**13**
% EOT	30	16	**17**
% Chironomids	5	25	**8**
% Predators	34	48	**24**
% Shredders	7	6	**2**
% Collectors/Gatherers	38	40	**68**
Hilsenhoff Index	5.68	5.65	**6.27**

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