THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Fox Lake

Town of Huntsville

Common Name	Site 1[R]											Scientific Name
	2012	2013	2014	2015	2016	2017	2018	2022	2023	2024	2025	
Hydras												Coelenterata
Flatworms	5	24	44	1	19		4		3			Turbellaria
Roundworms	1	12	2				1	5	4	5	5	Nematoda
Aquatic Earthworms	167	76		11	67	36	19		15	2		Oligochaeta
Leeches		1		1	1		4					Hirudinaea
Sow Bugs												Isopoda
Clams & Mussels	2		1		15							Bivalvia
Scuds	393	141	118	205	315	75	167	86	36	28	70	Amphipoda
Crayfish												Decapoda
Mites	67	100	96	9	35	157	70	1	39	34	74	Hydracarina
Mayflies	79	37	9	5	32	9	21	5		8	12	Ephemeroptera
Dragonflies	11	11	12	39	32	13	1	2	21	6	12	Anisoptera
Damselflies	38	9	15	33	27	6	2	4	25	27	26	Zygoptera
Stoneflies			1				10					Plecoptera
True Bugs			5	7	1				1		2	Hemiptera
Fishflies & Alderflies	6	10	14	28	3	12			2	8	12	Megaloptera
Caddisflies	12	7	3	3	7					1		Trichoptera
Aquatic Moths									1		1	Lepidoptera
Beetles	3						1	1				Coleoptera
Snails & Limpets	2	2	14	1	19	11	3	2	9	6	1	Gastropoda
Midges	70	13	29	20	45	44	23	2	12	22	4	Chironomidae
Horse & Deer Flies						1						Tabanidae
Mosquitos		1					13					Culicidae
No-see-ums	22	9	12		12	1	21	3	1	7	8	Ceratopogonidae
Craneflies												Tipulidae
Blackflies												Simuliidae
Misc. True Flies	8		33									Misc. Diptera
Total Count	886	453	408	363	630	365	360	111	169	154	227	
Number of Taxa	16	15	16	13	15	11	15	10	13	12	12	
												Muskoka Average *
Richness	16	15	16	13	15	11	15	10	13	12	12	**13**
% EOT	16	14	10	22	16	8	7	10	27	27	22	**17**
% Chironomids	8	3	7	6	7	12	6	2	7	14	2	**8**
% Predators	17	36	49	33	21	52	31	10	54	53	59	**24**
% Shredders	1	2	1	1	1	0	0	0	1	1	0	**2**
% Collectors/Gatherers	81	59	46	66	73	45	68	84	37	39	38	**68**
Hilsenhoff Index	6.34	6.08	5.69	5.90	6.21	6.24	6.05	5.95	6.24	6.14	6.01	**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.

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Fox Lake

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Common Name	Site 2[R]						Scientific Name
	2019	2021	2022	2023	2024	2025	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms	7	8	3	2	2	2	Nematoda
Aquatic Earthworms	6		1	5	1		Oligochaeta
Leeches			2				Hirudinaea
Sow Bugs							Isopoda
Clams & Mussels							Bivalvia
Scuds	108	245	78	16	17	60	Amphipoda
Crayfish							Decapoda
Mites	47	31	15	39	29	30	Hydracarina
Mayflies	20	23	7	2	7	21	Ephemeroptera
Dragonflies	16	6	4	31	20	18	Anisoptera
Damselflies	54	9	4	30	17	31	Zygoptera
Stoneflies	2						Plecoptera
True Bugs		1				1	Hemiptera
Fishflies & Alderflies	17		1	4	1	3	Megaloptera
Caddisflies	1	4		1			Trichoptera
Aquatic Moths							Lepidoptera
Beetles	3			1			Coleoptera
Snails & Limpets	8	12	7	7	3	9	Gastropoda
Midges	18	8	2	17	19	9	Chironomidae
Horse & Deer Flies	1						Tabanidae
Mosquitos							Culicidae
No-see-ums	4	1	1	3	4	3	Ceratopogonidae
Craneflies							Tipulidae
Blackflies							Simuliidae
Misc. True Flies							Misc. Diptera
Total Count	312	348	125	158	120	187	
Number of Taxa	15	11	12	13	11	11	
							Muskoka Average *
Richness	15	11	12	13	11	11	**13**
% EOT	29	12	12	41	37	37	**17**
% Chironomids	6	0	2	11	16	5	**8**
% Predators	46	14	22	68	59	46	**24**
% Shredders	0	1	0	1	0	0	**2**
% Collectors/Gatherers	49	79	70	25	37	48	**68**
Hilsenhoff Index	5.99	5.95	6.02	6.11	6.08	6.18	**6.27**

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* 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.