

Aquatic Invertebrate Data Sheet

Echo Lake Township of Lake of Bays

Common Name	Site 1 ^R						Scientific Name
	2021	2022	2023	2024	2025	2026	
Hydras							Coelenterata
Flatworms			1	1	3		Turbellaria
Roundworms	6	3	1	1	11	3	Nematoda
Aquatic Earthworms	6		2	5			Oligochaeta
Leeches	1						Hirudinaea
Sow Bugs	27						Isopoda
Clams & Mussels				3	1		Bivalvia
Scuds		54	22	24	17	19	Amphipoda
Crayfish							Decapoda
Mites	3	9	44	14	22	57	Hydracarina
Mayflies	41	31	3	20	14	21	Ephemeroptera
Dragonflies	3	4	8	12	7	8	Anisoptera
Damselflies	5	1	1	5	12	13	Zygoptera
Stoneflies							Plecoptera
True Bugs			1			1	Hemiptera
Fishflies & Alderflies						1	Megaloptera
Caddisflies	1	2		1		1	Trichoptera
Aquatic Moths							Lepidoptera
Beetles					1	1	Coleoptera
Snails & Limpets			4	1	4	1	Gastropoda
Midges	10	7	17	12	9	4	Chironomidae
Horse & Deer Flies							Tabanidae
Mosquitos					1	1	Culicidae
No-see-ums	3			6	2	7	Ceratopogonidae
Craneflies							Tipulidae
Blackflies							Simuliidae
Misc. True Flies							Misc. Diptera
Total Count	106	111	104	105	104	138	
Number of Taxa	11	8	11	13	13	14	
							Muskoka Average *
Richness	11	8	11	13	13	14	13
% EOT	47	34	12	36	32	31	17
% Chironomids	9	6	16	11	9	3	8
% Predators	14	13	53	36	45	64	24
% Shredders	1	2	0	1	0	1	2
% Collectors/Gatherers	79	83	42	58	39	33	68
Hilsenhoff Index	5.78	5.69	6.11	5.97	5.89	5.86	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.