

Aquatic Invertebrate Data Sheet

Echo Lake

Township of Lake of Bays

Common Name	Site 2						Scientific Name
	2021	2022	2023	2024	2025	2026	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms	20	6	5	8	4		Nematoda
Aquatic Earthworms			2	12			Oligochaeta
Leeches				1			Hirudinaea
Sow Bugs							Isopoda
Clams & Mussels			1	1	1		Bivalvia
Scuds	3	44	36	2	18	8	Amphipoda
Crayfish							Decapoda
Mites	29	27	30	19	34	55	Hydracarina
Mayflies	1	29	3	13	2	8	Ephemeroptera
Dragonflies	1		6	11	21	10	Anisoptera
Damselflies	22	2	10	16	19	12	Zygoptera
Stoneflies							Plecoptera
True Bugs	1						Hemiptera
Fishflies & Alderflies						1	Megaloptera
Caddisflies	1				1		Trichoptera
Aquatic Moths							Lepidoptera
Beetles					1		Coleoptera
Snails & Limpets	1		2	4		2	Gastropoda
Midges	19	7	15	14	5	6	Chironomidae
Horse & Deer Flies							Tabanidae
Mosquitos							Culicidae
No-see-ums	7				2	4	Ceratopogonidae
Craneflies							Tipulidae
Blackflies							Simuliidae
Misc. True Flies							Misc. Diptera
Total Count	105	115	110	101	108	106	
Number of Taxa	11	6	10	11	11	9	
							Muskoka Average *
Richness	11	6	10	11	11	9	13
% EOT	24	27	17	40	40	28	17
% Chironomids	18	7	14	14	5	6	8
% Predators	57	25	42	47	71	77	24
% Shredders	1	0	0	0	1	0	2
% Collectors/Gatherers	22	70	51	41	23	21	68
Hilsenhoff Index	6.16	5.78	6.17	6.30	5.95	6.00	6.27

* 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.