THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet
Turtle Lake
Town of Gravenhurst

Common Name	Site 1[R]		Scientific Name
	2018	2019	
Hydras			Coelenterata
Flatworms	3		Turbellaria
Roundworms	33	6	Nematoda
Aquatic Earthworms	3	13	Oligochaeta
Leeches	1	2	Hirudinaea
Sow Bugs	296	151	Isopoda
Clams & Mussels			Bivalvia
Scuds	19	88	Amphipoda
Crayfish			Decapoda
Mites	36	16	Hydracarina
Mayflies	3	7	Ephemeroptera
Dragonflies	1	9	Anisoptera
Damselflies	2	13	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies			Megaloptera
Caddisflies		1	Trichoptera
Aquatic Moths	1		Lepidoptera
Beetles	3	6	Coleoptera
Snails & Limpets	1	1	Gastropoda
Midges	31		Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums	25	38	Ceratopogonidae
Craneflies	3		Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	461	351	
Number of Taxa	16	13	
			Muskoka Average *
Richness	14	13	**13**
% EOT	1	9	**17**
% Chironomids	0	0	**8**
% Predators	15	24	**24**
% Shredders	1	0	**2**
% Collectors/Gatherers	70	74	**68**
Hilsenhoff Index	6.78	6.88	**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

Turtle Lake

Town of Gravenhurst

Common Name	Site 2[R]		Scientific Name
	2023	2024	
Hydras			Coelenterata
Flatworms			Turbellaria
Roundworms	4	4	Nematoda
Aquatic Earthworms		13	Oligochaeta
Leeches			Hirudinaea
Sow Bugs	122	36	Isopoda
Clams & Mussels	5		Bivalvia
Scuds	2	22	Amphipoda
Crayfish			Decapoda
Mites		7	Hydracarina
Mayflies		6	Ephemeroptera
Dragonflies	3		Anisoptera
Damselflies		3	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies			Megaloptera
Caddisflies			Trichoptera
Aquatic Moths			Lepidoptera
Beetles	1	3	Coleoptera
Snails & Limpets	2	2	Gastropoda
Midges	3	3	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums		11	Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	142	110	
Number of Taxa	8	11	
			Muskoka Average *
Richness	8	11	**13**
% EOT	2	8	**17**
% Chironomids	2	3	**8**
% Predators	3	22	**24**
% Shredders	0	0	**2**
% Collectors/Gatherers	89	73	**68**
Hilsenhoff Index	7.76	6.82	**6.27**

R = Reference Site

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Turtle Lake

Town of Gravenhurst

Common Name	Site 3 2023	Scientific Name
Hydras		Coelenterata
Flatworms		Turbellaria
Roundworms	5	Nematoda
Aquatic Earthworms	5	Oligochaeta
Leeches	2	Hirudinaea
Sow Bugs	58	Isopoda
Clams & Mussels	1	Bivalvia
Scuds	8	Amphipoda
Crayfish		Decapoda
Mites	1	Hydracarina
Mayflies		Ephemeroptera
Dragonflies		Anisoptera
Damselflies	3	Zygoptera
Stoneflies		Plecoptera
True Bugs		Hemiptera
Fishflies & Alderflies		Megaloptera
Caddisflies		Trichoptera
Aquatic Moths		Lepidoptera
Beetles		Coleoptera
Snails & Limpets	2	Gastropoda
Midges	15	Chironomidae
Horse & Deer Flies		Tabanidae
Mosquitos		Culicidae
No-see-ums		Ceratopogonidae
Craneflies		Tipulidae
Blackflies		Simuliidae
Misc. True Flies		Misc. Diptera
Total Count	100	
Number of Taxa	10	
		Muskoka Average *
Richness	10	**13**
% EOT	3	**17**
% Chironomids	15	**8**
% Predators	6	**24**
% Shredders	0	**2**
% Collectors/Gatherers	86	**68**
Hilsenhoff Index	7.47	**6.27**

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