THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Lioness Lake

Township of Seguin

Common Name	Site 1[R] 2024	Scientific Name
Hydras		Coelenterata
Flatworms	2	Turbellaria
Roundworms	1	Nematoda
Aquatic Earthworms		Oligochaeta
Leeches	1	Hirudinaea
Sow Bugs	5	Isopoda
Clams & Mussels	8	Bivalvia
Scuds	39	Amphipoda
Crayfish		Decapoda
Mites	14	Hydracarina
Mayflies	13	Ephemeroptera
Dragonflies	16	Anisoptera
Damselflies	1	Zygoptera
Stoneflies		Plecoptera
True Bugs	1	Hemiptera
Fishflies & Alderflies	2	Megaloptera
Caddisflies	1	Trichoptera
Aquatic Moths		Lepidoptera
Beetles	1	Coleoptera
Snails & Limpets	2	Gastropoda
Midges	7	Chironomidae
Horse & Deer Flies		Tabanidae
Mosquitos		Culicidae
No-see-ums	4	Ceratopogonidae
Craneflies		Tipulidae
Blackflies		Simuliidae
Misc. True Flies		Misc. Diptera
Total Count	118	
Number of Taxa	17	
		Muskoka Average *
Richness	17	**13**
% EOT	26	**17**
% Chironomids	6	**8**
% Predators	36	**24**
% Shredders	1	**2**
% Collectors/Gatherers	54	**68**
Hilsenhoff Index	5.96	**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

Lioness Lake

Township of Seguin

Common Name	Site 2[R]	Scientific Name
	2024	
Hydras		Coelenterata
Flatworms		Turbellaria
Roundworms		Nematoda
Aquatic Earthworms	1	Oligochaeta
Leeches		Hirudinaea
Sow Bugs	23	Isopoda
Clams & Mussels	1	Bivalvia
Scuds	14	Amphipoda
Crayfish		Decapoda
Mites	9	Hydracarina
Mayflies	16	Ephemeroptera
Dragonflies	9	Anisoptera
Damselflies	8	Zygoptera
Stoneflies		Plecoptera
True Bugs		Hemiptera
Fishflies & Alderflies		Megaloptera
Caddisflies	3	Trichoptera
Aquatic Moths		Lepidoptera
Beetles	1	Coleoptera
Snails & Limpets	2	Gastropoda
Midges	16	Chironomidae
Horse & Deer Flies		Tabanidae
Mosquitos		Culicidae
No-see-ums		Ceratopogonidae
Craneflies		Tipulidae
Blackflies		Simuliidae
Misc. True Flies		Misc. Diptera
Total Count	103	
Number of Taxa	12	
		Muskoka Average *
Richness	12	**13**
% EOT	35	**17**
% Chironomids	16	**8**
% Predators	26	**24**
% Shredders	3	**2**
% Collectors/Gatherers	68	**68**
Hilsenhoff Index	6.42	**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.