THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Leech Lake

Town of Bracebridge

Common Name	Site 1							Scientific Name
	2006	2007	2011	2014	2016	2023	2025	
Hydras								Coelenterata
Flatworms								Turbellaria
Roundworms	35		1		1	8	2	Nematoda
Aquatic Earthworms		2	1	1	38	29		Oligochaeta
Leeches	1	2	2	1	1			Hirudinaea
Sow Bugs						4	3	Isopoda
Clams & Mussels	8	5	3			6	2	Bivalvia
Scuds	137	154	280	383	213	98	63	Amphipoda
Crayfish								Decapoda
Mites	18	4	4	15	10	23	10	Hydracarina
Mayflies	6	1	3	26	53	3	1	Ephemeroptera
Dragonflies	49	12	11	15	15	5	6	Anisoptera
Damselflies	10	1	5	1	11	3	1	Zygoptera
Stoneflies								Plecoptera
True Bugs	1				1		2	Hemiptera
Fishflies & Alderflies	5		5	3	1		4	Megaloptera
Caddisflies	12	4	28	10	13	3	3	Trichoptera
Aquatic Moths			1					Lepidoptera
Beetles	6		1	5	5	1	1	Coleoptera
Snails & Limpets	35	29	13	2	16	3	5	Gastropoda
Midges	43	54	34	22	71	11	6	Chironomidae
Horse & Deer Flies								Tabanidae
Mosquitos			1					Culicidae
No-see-ums	2	19		6	10			Ceratopogonidae
Craneflies								Tipulidae
Blackflies								Simuliidae
Misc. True Flies				10		1		Misc. Diptera
Total Count	368	287	393	500	459	198	109	
Number of Taxa	15	9	12	14	15	14	14	
								Muskoka Average *
Richness	15	12	16	14	15	14	14	**13**
% EOT	21	6	12	11	20	7	10	**17**
% Chironomids	12	19	9	4	15	6	6	**8**
% Predators	25	13	7	9	12	16	22	**24**
% Shredders	3	1	7	2	3	2	3	**2**
% Collectors/Gatherers	51	74	81	89	82	74	67	**68**
Hilsenhoff Index	6.01	6.28	5.96	5.89	6.15	6.35	6.21	**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.

THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Leech Lake

Town of Bracebridge

Common Name	Site 2							Scientific Name
	2009	2010	2012	2013	2015	2021	2023	
Hydras			1					Coelenterata
Flatworms			4					Turbellaria
Roundworms				5		6		Nematoda
Aquatic Earthworms	2	5	27	3	38	2	14	Oligochaeta
Leeches	2	9		10	1		1	Hirudinaea
Sow Bugs		91						Isopoda
Clams & Mussels	1	1					1	Bivalvia
Scuds	481	157	395	578	260	85	109	Amphipoda
Crayfish								Decapoda
Mites	3	5	10	6	1	3	7	Hydracarina
Mayflies	6	12	12	15	6	4	7	Ephemeroptera
Dragonflies	2	9	14	23	7	1	6	Anisoptera
Damselflies	1		3	1	1	1	2	Zygoptera
Stoneflies				1				Plecoptera
True Bugs		2						Hemiptera
Fishflies & Alderflies	1		3					Megaloptera
Caddisflies	23	36	10	59	18	14	1	Trichoptera
Aquatic Moths		1					1	Lepidoptera
Beetles	9	11	12	11	6		7	Coleoptera
Snails & Limpets	3	3	3	14	1		1	Gastropoda
Midges	16	8	8	34	16	2	5	Chironomidae
Horse & Deer Flies								Tabanidae
Mosquitos								Culicidae
No-see-ums	3	1	7	3	3			Ceratopogonidae
Craneflies								Tipulidae
Blackflies								Simuliidae
Misc. True Flies		1		3				Misc. Diptera
Total Count	553	352	509	766	358	118	162	
Number of Taxa	14	16	14	15	12	9	13	
								Muskoka Average *
Richness	14	16	14	15	12	9	13	**13**
% EOT	6	16	8	13	9	17	10	**17**
% Chironomids	3	2	2	4	4	2	3	**8**
% Predators	4	11	11	7	5	4	14	**24**
% Shredders	4	11	2	8	5	12	1	**2**
% Collectors/Gatherers	91	78	87	83	90	79	83	**68**
Hilsenhoff Index	5.92	6.30	5.97	5.85	6.10	5.73	6.07	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Leech Lake

Town of Bracebridge

Common Name	Site 3[R]		Scientific Name
	2024	2025	
Hydras			Coelenterata
Flatworms	1		Turbellaria
Roundworms	6	3	Nematoda
Aquatic Earthworms			Oligochaeta
Leeches	1	1	Hirudinaea
Sow Bugs	1		Isopoda
Clams & Mussels	1	5	Bivalvia
Scuds	44	46	Amphipoda
Crayfish			Decapoda
Mites	11	14	Hydracarina
Mayflies	9	1	Ephemeroptera
Dragonflies	6	8	Anisoptera
Damselflies	4		Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies		4	Megaloptera
Caddisflies	3	4	Trichoptera
Aquatic Moths			Lepidoptera
Beetles	2		Coleoptera
Snails & Limpets	13	5	Gastropoda
Midges	15	12	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums			Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	117	103	
Number of Taxa	14	11	
			Muskoka Average *
Richness	14	11	**13**
% EOT	19	13	**17**
% Chironomids	13	12	**8**
% Predators	21	26	**24**
% Shredders	3	3.9	**2**
% Collectors/Gatherers	59	57	**68**
Hilsenhoff Index	6.04	5.89	**6.27**

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