THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Fairy Lake

Town of Huntsville

Common Name	Site 2 [R]			Scientific Name
	2009	2012	2013	
Hydras				Coelenterata
Flatworms			1	Turbellaria
Roundworms				Nematoda
Aquatic Earthworms	1	85	16	Oligochaeta
Leeches			2	Hirudinaea
Sow Bugs	48	59	30	Isopoda
Clams & Mussels			2	Bivalvia
Scuds	327	375	116	Amphipoda
Crayfish			2	Decapoda
Mites	6	16	36	Hydracarina
Mayflies	51	42	20	Ephemeroptera
Dragonflies	2	11	13	Anisoptera
Damselflies	8		14	Zygoptera
Stoneflies				Plecoptera
True Bugs			2	Hemiptera
Fishflies & Alderflies			10	Megaloptera
Caddisflies	6	9	7	Trichoptera
Aquatic Moths				Lepidoptera
Beetles	9	17	11	Coleoptera
Snails & Limpets	5	12	35	Gastropoda
Midges	36	47	49	Chironomidae
Horse & Deer Flies				Tabanidae
Mosquitos			1	Culicidae
No-see-ums	2	7	12	Ceratopogonidae
Craneflies				Tipulidae
Blackflies				Simuliidae
Misc. True Flies				Misc. Diptera
Total Count	501	680	379	
Number of Taxa	12	11	19	
				Muskoka Average *
Richness	12	11	19	**14**
% EOT	13	9	14	**17**
% Chironomids	7	7	13	**12**
% Predators	5	8	21	**19**
% Shredders	1	1	2	**3**
% Collectors/Gatherers	92	90	62	**73**
Hilsenhoff Index	6.13	6.36	6.28	**6.25**

R = Reference Site

* The Muskoka Average is based on 200 samples collected at 82 reference sites between 2007 and 2016. Reference sites from 11 mesotrophic, 1 eutrophic and 29 oligotrophic lakes throughout Muskoka were used.

THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Fairy Lake

Town of Huntsville

Common Name	Site 3 [R]		Scientific Name
	2004	2005	
Hydras			Coelenterata
Flatworms	3	8	Turbellaria
Roundworms		18	Nematoda
Aquatic Earthworms	28	28	Oligochaeta
Leeches			Hirudinaea
Sow Bugs	115	55	Isopoda
Clams & Mussels	2	1	Bivalvia
Scuds	131	131	Amphipoda
Crayfish			Decapoda
Mites	3	37	Hydracarina
Mayflies		5	Ephemeroptera
Dragonflies	18	28	Anisoptera
Damselflies	2	1	Zygoptera
Stoneflies			Plecoptera
True Bugs	1		Hemiptera
Fishflies & Alderflies	3		Megaloptera
Caddisflies		11	Trichoptera
Aquatic Moths			Lepidoptera
Beetles		9	Coleoptera
Snails & Limpets	7	10	Gastropoda
Midges	14	16	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums	3		Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	330	358	
Number of Taxa	13	14	
			Muskoka Average *
Richness	13	15	**14**
% EOT	6	12	**17**
% Chironomids	4	5	**12**
% Predators	10	23	**19**
% Shredders	0	3	**3**
% Collectors/Gatherers	87	65	**73**
Hilsenhoff Index	6.85	6.23	**6.25**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Fairy Lake

Town of Huntsville

Common Name	Site 5 2008	Scientific Name
Hydras		Coelenterata
Flatworms		Turbellaria
Roundworms		Nematoda
Aquatic Earthworms	52	Oligochaeta
Leeches	3	Hirudinaea
Sow Bugs	49	Isopoda
Clams & Mussels	36	Bivalvia
Scuds	98	Amphipoda
Crayfish		Decapoda
Mites	5	Hydracarina
Mayflies	33	Ephemeroptera
Dragonflies	2	Anisoptera
Damselflies	6	Zygoptera
Stoneflies		Plecoptera
True Bugs		Hemiptera
Fishflies & Alderflies		Megaloptera
Caddisflies	4	Trichoptera
Aquatic Moths		Lepidoptera
Beetles	3	Coleoptera
Snails & Limpets	5	Gastropoda
Midges	37	Chironomidae
Horse & Deer Flies		Tabanidae
Mosquitos		Culicidae
No-see-ums	3	Ceratopogonidae
Craneflies		Tipulidae
Blackflies		Simuliidae
Misc. True Flies		Misc. Diptera
Total Count	336	
Number of Taxa	14	
		Muskoka Average *
Richness	14	**14**
% EOT	13	**17**
% Chironomids	11	**12**
% Predators	7	**19**
% Shredders	1	**3**
% Collectors/Gatherers	80	**73**
Hilsenhoff Index	6.83	**6.25**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Fairy Lake

Town of Huntsville

Common Name	Site 6		Scientific Name
	2024	2025	
Hydras			Coelenterata
Flatworms	1		Turbellaria
Roundworms	3		Nematoda
Aquatic Earthworms	1	1	Oligochaeta
Leeches		1	Hirudinaea
Sow Bugs		4	Isopoda
Clams & Mussels	1		Bivalvia
Scuds	75	129	Amphipoda
Crayfish			Decapoda
Mites	10	3	Hydracarina
Mayflies	1	1	Ephemeroptera
Dragonflies			Anisoptera
Damselflies		1	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies			Megaloptera
Caddisflies		3	Trichoptera
Aquatic Moths			Lepidoptera
Beetles			Coleoptera
Snails & Limpets	1	1	Gastropoda
Midges	1	15	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums			Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	94	159	
Number of Taxa	9	10	
			Muskoka Average *
Richness	9	10	**14**
% EOT	1	3	**17**
% Chironomids	1	9	**12**
% Predators	12	3	**19**
% Shredders	0	2	**3**
% Collectors/Gatherers	83	94	**73**
Hilsenhoff Index	6	6.1	**6.25**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Fairy Lake

Town of Huntsville

Common Name	Site 7 [R] 2024	Scientific Name
Hydras		Coelenterata
Flatworms	2	Turbellaria
Roundworms	2	Nematoda
Aquatic Earthworms	5	Oligochaeta
Leeches	2	Hirudinaea
Sow Bugs	30	Isopoda
Clams & Mussels		Bivalvia
Scuds	32	Amphipoda
Crayfish		Decapoda
Mites	12	Hydracarina
Mayflies	1	Ephemeroptera
Dragonflies	1	Anisoptera
Damselflies		Zygoptera
Stoneflies		Plecoptera
True Bugs		Hemiptera
Fishflies & Alderflies		Megaloptera
Caddisflies	7	Trichoptera
Aquatic Moths		Lepidoptera
Beetles		Coleoptera
Snails & Limpets	6	Gastropoda
Midges	7	Chironomidae
Horse & Deer Flies		Tabanidae
Mosquitos		Culicidae
No-see-ums	2	Ceratopogonidae
Craneflies		Tipulidae
Blackflies		Simuliidae
Misc. True Flies		Misc. Diptera
Total Count	109	
Number of Taxa	13	
		Muskoka Average *
Richness	13	**14**
% EOT	8	**17**
% Chironomids	6	**12**
% Predators	17	**19**
% Shredders	6	**3**
% Collectors/Gatherers	69	**73**
Hilsenhoff Index	6.60	**6.25**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Fairy Lake

Town of Huntsville

Common Name	Site 8 [R]	Scientific Name
	2025	
Hydras		Coelenterata
Flatworms		Turbellaria
Roundworms		Nematoda
Aquatic Earthworms		Oligochaeta
Leeches		Hirudinaea
Sow Bugs	61	Isopoda
Clams & Mussels		Bivalvia
Scuds	96	Amphipoda
Crayfish		Decapoda
Mites		Hydracarina
Mayflies		Ephemeroptera
Dragonflies		Anisoptera
Damselflies		Zygoptera
Stoneflies		Plecoptera
True Bugs		Hemiptera
Fishflies & Alderflies		Megaloptera
Caddisflies	1	Trichoptera
Aquatic Moths		Lepidoptera
Beetles		Coleoptera
Snails & Limpets	2	Gastropoda
Midges	2	Chironomidae
Horse & Deer Flies		Tabanidae
Mosquitos		Culicidae
No-see-ums		Ceratopogonidae
Craneflies		Tipulidae
Blackflies		Simuliidae
Misc. True Flies		Misc. Diptera
Total Count	162	
Number of Taxa	5	
		Muskoka Average *
Richness	5	**14**
% EOT	0.6	**17**
% Chironomids	1	**12**
% Predators	0	**19**
% Shredders	0.6	**3**
% Collectors/Gatherers	98	**73**
Hilsenhoff Index	6.57	**6.25**

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