THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Ada Lake

Township of Muskoka Lakes

Common Name	Site 1[R]		Scientific Name
	2005	2023	
Hydras			Coelenterata
Flatworms			Turbellaria
Roundworms	6	1	Nematoda
Aquatic Earthworms	4	6	Oligochaeta
Leeches		1	Hirudinaea
Sow Bugs	88	19	Isopoda
Clams & Mussels	9	2	Bivalvia
Scuds	66	18	Amphipoda
Crayfish			Decapoda
Mites	7	13	Hydracarina
Mayflies	47	4	Ephemeroptera
Dragonflies	7	2	Anisoptera
Damselflies	13		Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies	2	2	Megaloptera
Caddisflies	21	1	Trichoptera
Aquatic Moths		1	Lepidoptera
Beetles	1	1	Coleoptera
Snails & Limpets	4	2	Gastropoda
Midges	75	32	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos	1		Culicidae
No-see-ums	1		Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	352	105	
Number of Taxa	16	15	
			Muskoka Average *
Richness	16	15	**13**
% EOT	25	7	**17**
% Chironomids	21	30	**8**
% Predators	9	18	**24**
% Shredders	6	2	**2**
% Collectors/Gatherers	80	75	**68**
Hilsenhoff Index	6.53	6.71	**6.27**

R = Reference Site

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Ada Lake

Township of Muskoka Lakes

Common Name	Site 2[R]				Scientific Name
	2006	2007	2023	2024	
Hydras					Coelenterata
Flatworms	4				Turbellaria
Roundworms	1			2	Nematoda
Aquatic Earthworms	1	5	4	1	Oligochaeta
Leeches		1	3	2	Hirudinaea
Sow Bugs	75	88	7	5	Isopoda
Clams & Mussels			1	2	Bivalvia
Scuds	50	67	45	36	Amphipoda
Crayfish					Decapoda
Mites	5	16	8	5	Hydracarina
Mayflies	49	32	8	21	Ephemeroptera
Dragonflies	23	16	5	6	Anisoptera
Damselflies	41	13		2	Zygoptera
Stoneflies					Plecoptera
True Bugs					Hemiptera
Fishflies & Alderflies	1	2	1	2	Megaloptera
Caddisflies	19	23	3	1	Trichoptera
Aquatic Moths					Lepidoptera
Beetles				1	Coleoptera
Snails & Limpets	1		1	4	Gastropoda
Midges	73	56	17	14	Chironomidae
Horse & Deer Flies					Tabanidae
Mosquitos	1	3			Culicidae
No-see-ums					Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies					Misc. Diptera
Total Count	344	322	103	104	
Number of Taxa	14	12	12	15	
					Muskoka Average *
Richness	14	12	12	15	**13**
% EOT	38	26	16	29	**17**
% Chironomids	21	17	17	13	**8**
% Predators	22	15	17	17	**24**
% Shredders	6	7	3	1	**2**
% Collectors/Gatherers	72	78	79	74	**68**
Hilsenhoff Index	6.43	6.51	6.26	6.03	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Ada Lake

Township of Muskoka Lakes

Common Name	Site 3			Scientific Name
	2014	2015	2023	
Hydras				Coelenterata
Flatworms				Turbellaria
Roundworms			3	Nematoda
Aquatic Earthworms		2	1	Oligochaeta
Leeches	6	2	1	Hirudinaea
Sow Bugs	104	210	40	Isopoda
Clams & Mussels			1	Bivalvia
Scuds	88	68	36	Amphipoda
Crayfish				Decapoda
Mites	51	3	11	Hydracarina
Mayflies	15	3	3	Ephemeroptera
Dragonflies	33	28	8	Anisoptera
Damselflies	8	2	3	Zygoptera
Stoneflies				Plecoptera
True Bugs		11		Hemiptera
Fishflies & Alderflies	2	10	2	Megaloptera
Caddisflies	6	1	2	Trichoptera
Aquatic Moths				Lepidoptera
Beetles	2	1	1	Coleoptera
Snails & Limpets	8	2	3	Gastropoda
Midges	35	41	8	Chironomidae
Horse & Deer Flies	1	1		Tabanidae
Mosquitos				Culicidae
No-see-ums	10	6		Ceratopogonidae
Craneflies				Tipulidae
Blackflies				Simuliidae
Misc. True Flies				Misc. Diptera
Total Count	369	391	123	
Number of Taxa	14	16	15	
				Muskoka Average *
Richness	14	16	15	**13**
% EOT	17	9	13	**17**
% Chironomids	10	11	7	**8**
% Predators	30	16	21	**24**
% Shredders	2	0	2	**2**
% Collectors/Gatherers	66	83	72	**68**
Hilsenhoff Index	6.55	7.05	6.62	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Ada Lake

Township of Muskoka Lakes

Common Name	Site 4[R]		Scientific Name
	2009	2012	
Hydras			Coelenterata
Flatworms		3	Turbellaria
Roundworms			Nematoda
Aquatic Earthworms		6	Oligochaeta
Leeches	2	3	Hirudinaea
Sow Bugs	336	92	Isopoda
Clams & Mussels	3	3	Bivalvia
Scuds	184	84	Amphipoda
Crayfish	5	2	Decapoda
Mites	4	24	Hydracarina
Mayflies	5	14	Ephemeroptera
Dragonflies	16	27	Anisoptera
Damselflies	3	1	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies		1	Megaloptera
Caddisflies	5	23	Trichoptera
Aquatic Moths			Lepidoptera
Beetles	1	1	Coleoptera
Snails & Limpets		1	Gastropoda
Midges	51	118	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums			Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	615	403	
Number of Taxa	12	16	
			Muskoka Average *
Richness	12	16	**13**
% EOT	25	16	**17**
% Chironomids	21	29	**8**
% Predators	9	15	**24**
% Shredders	6	6	**2**
% Collectors/Gatherers	80	78	**68**
Hilsenhoff Index	6.53	6.57	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Ada Lake

Township of Muskoka Lakes

Common Name	Site 5[R]		Scientific Name
	2010	2011	
Hydras			Coelenterata
Flatworms	3	10	Turbellaria
Roundworms			Nematoda
Aquatic Earthworms		3	Oligochaeta
Leeches	1	4	Hirudinaea
Sow Bugs	223	226	Isopoda
Clams & Mussels	6	4	Bivalvia
Scuds	103	82	Amphipoda
Crayfish			Decapoda
Mites	6	7	Hydracarina
Mayflies	8	5	Ephemeroptera
Dragonflies	16	31	Anisoptera
Damselflies	3	40	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies	19	5	Megaloptera
Caddisflies	8	11	Trichoptera
Aquatic Moths		1	Lepidoptera
Beetles			Coleoptera
Snails & Limpets	18	24	Gastropoda
Midges	56	36	Chironomidae
Horse & Deer Flies	1		Tabanidae
Mosquitos			Culicidae
No-see-ums	1	3	Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	472	492	
Number of Taxa	15	16	
			Muskoka Average *
Richness	15	16	**13**
% EOT	7	18	**17**
% Chironomids	12	7	**8**
% Predators	11	20	**24**
% Shredders	2	2	**2**
% Collectors/Gatherers	83	72	**68**
Hilsenhoff Index	6.96	6.99	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Ada Lake

Township of Muskoka Lakes

Common Name	Site 6[R]				Scientific Name
	2016	2021	2022	2024	
Hydras					Coelenterata
Flatworms	1				Turbellaria
Roundworms	1	3	15	4	Nematoda
Aquatic Earthworms	8	1			Oligochaeta
Leeches	5	3	5	1	Hirudinaea
Sow Bugs	102	42	16	2	Isopoda
Clams & Mussels				2	Bivalvia
Scuds	127	133	69	41	Amphipoda
Crayfish	1				Decapoda
Mites	18	19	34	17	Hydracarina
Mayflies	30	6	5	3	Ephemeroptera
Dragonflies	9	1		5	Anisoptera
Damselflies	35	17		16	Zygoptera
Stoneflies					Plecoptera
True Bugs	1	2			Hemiptera
Fishflies & Alderflies	2	5	4		Megaloptera
Caddisflies	20	11	11	3	Trichoptera
Aquatic Moths					Lepidoptera
Beetles	2	1			Coleoptera
Snails & Limpets	1	2	5	9	Gastropoda
Midges	27	20	13	14	Chironomidae
Horse & Deer Flies				1	Tabanidae
Mosquitos					Culicidae
No-see-ums	4	1		1	Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies					Misc. Diptera
Total Count	394	267	177	119	
Number of Taxa	18	16	10	14	
					Muskoka Average *
Richness	18	16	10	14	**13**
% EOT	24	13	9	23	**17**
% Chironomids	7	7	7	12	**8**
% Predators	20	18	24	34	**24**
% Shredders	5	4	6	3	**2**
% Collectors/Gatherers	75	76	58	50	**68**
Hilsenhoff Index	6.51	6.32	6.05	6.28	**6.27**

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THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Ada Lake

Township of Muskoka Lakes

Common Name	Site 7						Scientific Name
	2016	2017	2018	2019	2022	2024	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms			3	21	19	6	Nematoda
Aquatic Earthworms	15	59	5	8	1	1	Oligochaeta
Leeches	9	3	1	1		1	Hirudinaea
Sow Bugs	198	101	279	117	15	2	Isopoda
Clams & Mussels		1	6	8			Bivalvia
Scuds	79	53	44	35	69	22	Amphipoda
Crayfish	1						Decapoda
Mites	12	99	20	5	27	21	Hydracarina
Mayflies	10	9	11	77	4	19	Ephemeroptera
Dragonflies	10	2	3	10	1	10	Anisoptera
Damselflies	3		2	7		13	Zygoptera
Stoneflies		5	6	1			Plecoptera
True Bugs							Hemiptera
Fishflies & Alderflies	8	3			8		Megaloptera
Caddisflies	6	1	1			1	Trichoptera
Aquatic Moths							Lepidoptera
Beetles		2		10			Coleoptera
Snails & Limpets	4	5	14	3	1	10	Gastropoda
Midges	15	16	32	24	22	13	Chironomidae
Horse & Deer Flies							Tabanidae
Mosquitos		1					Culicidae
No-see-ums	2	3	3	9	2	6	Ceratopogonidae
Craneflies			2	1			Tipulidae
Blackflies		1					Simuliidae
Misc. True Flies			1				Misc. Diptera
Total Count	372	364	433	337	169	125	
Number of Taxa	14	17	17	16	11	13	
							Muskoka Average *
Richness	14	17	16	16	11	13	**13**
% EOT	8	3	4	28	3	34	**17**
% Chironomids	4	4	7	7	13	10	**8**
% Predators	12	32	4	13	22	41	**24**
% Shredders	2	0.3	1	0.3	0	1	**2**
% Collectors/Gatherers	85	65	86	77	66	46	**68**
Hilsenhoff Index	7.12	6.83	7.05	6.49	6.09	6.06	**6.27**

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