THE DISTRICT MUNICIPALITY OF MUSKOKA

Aquatic Invertebrate Data Sheet

Gull Lake

Town of Gravenhurst

Common Name	Site 1 [R]				Scientific Name
	2011	2012	2023	2024	
Hydras					Coelenterata
Flatworms	3	9	1		Turbellaria
Roundworms			2	1	Nematoda
Aquatic Earthworms	3	15	6	5	Oligochaeta
Leeches		2	4	1	Hirudinaea
Sow Bugs	31	35	15	46	Isopoda
Clams & Mussels		1	1		Bivalvia
Scuds	239	140	40	17	Amphipoda
Crayfish	1				Decapoda
Mites	23	20	24	26	Hydracarina
Mayflies	11	48	3	2	Ephemeroptera
Dragonflies	9	25	7	3	Anisoptera
Damselflies		1	3	2	Zygoptera
Stoneflies		2			Plecoptera
True Bugs					Hemiptera
Fishflies & Alderflies	2	3			Megaloptera
Caddisflies	8	8			Trichoptera
Aquatic Moths					Lepidoptera
Beetles	13	11	1		Coleoptera
Snails & Limpets	2	6	4	2	Gastropoda
Midges	11	43		3	Chironomidae
Horse & Deer Flies					Tabanidae
Mosquitos					Culicidae
No-see-ums	1	3	3	1	Ceratopogonidae
Craneflies					Tipulidae
Blackflies					Simuliidae
Misc. True Flies					Misc. Diptera
Total Count	357	372	114	109	
Number of Taxa	14	17	14	12	
					Muskoka Average *
Richness	14	17	14	12	**13**
% EOT	8	23	11	6	**17**
% Chironomids	3	12	0	3	**8**
% Predators	14	21	38	30	**24**
% Shredders	2	2	0	0	**2**
% Collectors/Gatherers	83	76	56	67	**68**
Hilsenhoff Index	6.03	6.02	6.38	6.96	**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

Gull Lake

Town of Gravenhurst

Common Name	Site 2 R		Scientific Name
	2013	2024	
Hydras			Coelenterata
Flatworms	3		Turbellaria
Roundworms		2	Nematoda
Aquatic Earthworms	3		Oligochaeta
Leeches			Hirudinaea
Sow Bugs	31	20	Isopoda
Clams & Mussels		2	Bivalvia
Scuds	239	44	Amphipoda
Crayfish	1		Decapoda
Mites	23	44	Hydracarina
Mayflies	11		Ephemeroptera
Dragonflies	9	3	Anisoptera
Damselflies		3	Zygoptera
Stoneflies			Plecoptera
True Bugs			Hemiptera
Fishflies & Alderflies	2	2	Megaloptera
Caddisflies	8	1	Trichoptera
Aquatic Moths			Lepidoptera
Beetles	13		Coleoptera
Snails & Limpets	2		Gastropoda
Midges	11	5	Chironomidae
Horse & Deer Flies			Tabanidae
Mosquitos			Culicidae
No-see-ums	1	4	Ceratopogonidae
Craneflies			Tipulidae
Blackflies			Simuliidae
Misc. True Flies			Misc. Diptera
Total Count	357	130	
Number of Taxa	14	11	
			Muskoka Average *
Richness	14	11	**13**
% EOT	20	5	**17**
% Chironomids	4	4	**8**
% Predators	16	43	**24**
% Shredders	4	1	**2**
% Collectors/Gatherers	74	53	**68**
Hilsenhoff Index	6.47	6.32	**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

Gull Lake

Town of Gravenhurst

Common Name	Site 3			Scientific Name
	2014	2015	2023	
Hydras				Coelenterata
Flatworms		3	1	Turbellaria
Roundworms	3		1	Nematoda
Aquatic Earthworms	10	64	2	Oligochaeta
Leeches		1		Hirudinaea
Sow Bugs	121	135	1	Isopoda
Clams & Mussels	1	2	5	Bivalvia
Scuds	79	67	127	Amphipoda
Crayfish				Decapoda
Mites	15	5	2	Hydracarina
Mayflies				Ephemeroptera
Dragonflies	8	2		Anisoptera
Damselflies	2	1		Zygoptera
Stoneflies				Plecoptera
True Bugs				Hemiptera
Fishflies & Alderflies	10	15	6	Megaloptera
Caddisflies	6	9		Trichoptera
Aquatic Moths				Lepidoptera
Beetles		6		Coleoptera
Snails & Limpets	70	3	4	Gastropoda
Midges	14	14		Chironomidae
Horse & Deer Flies				Tabanidae
Mosquitos				Culicidae
No-see-ums	1	5		Ceratopogonidae
Craneflies				Tipulidae
Blackflies				Simuliidae
Misc. True Flies	12			Misc. Diptera
Total Count	352	332	149	
Number of Taxa	14	15	9	
				Muskoka Average *
Richness	14	15	9	**13**
% EOT	8	4	0	**17**
% Chironomids	4	4	0	**8**
% Predators	10	11	6	**24**
% Shredders	2	3	0	**2**
% Collectors/Gatherers	67	84	87	**68**
Hilsenhoff Index	6.84	7.07	6.03	**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.