

Aquatic Invertebrate Data Sheet

Hoc Roc River Town of Gravenhurst

Common Name	Site 1										Scientific Name
	2008	2009	2010	2011	2014	2015	2016	2018	2019	2022	
Hydras											Coelenterata
Flatworms			1	9	6		5				Turbellaria
Roundworms	13					1				1	Nematoda
Aquatic Earthworms	2	3	7	5	13	1	2	6	3		Oligochaeta
Leeches	1	4	2	3	2	6	4	1	1		Hirudinaea
Sow Bugs	97	800	348	86	70	57	116	105	147	25	Isopoda
Clams		6	7	7	7	1	6	12	2	1	Pelecypoda
Fairy Shrimp	49	70	82	151	50	295	97	149	129	122	Amphipoda
Crayfish		1									Decapoda
Mites	92		3	7	54	10	27	65	3	9	Hydracarina
Mayflies	2	2	3	16	9	9	16	4	13	4	Ephemeroptera
Dragonflies	1	11	8	21	9	3	6		3		Anisoptera
Damselflies	18	3	8	77	2	12	13	2	7	3	Zygoptera
Stoneflies								3			Plecoptera
True Bugs	1	3	5								Hemiptera
Fishflies & Alderflies	2	17	12	10	5	8	2	3	5	1	Megaloptera
Caddisflies	2	9	5	13	12	6	2		2	4	Trichoptera
Aquatic Moths				1	1						Lepidoptera
Beetles		3		10	7		4		2		Coleoptera
Snails & Limpets		9		24	14	4	10	13	1	12	Gastropoda
Midges	31	21	77	117	56	52	110	25	20	11	Chironomidae
Horse & Deer Flies	1	1	1	2			2				Tabanidae
Mosquitos											Culicidae
No-see-ums				1	3	1	1		2		Ceratopogonidae
Craneflies	15										Tipulidae
Blackflies											Simuliidae
Misc. True Flies	1	1								2	Misc. Diptera
Total Count	328	964	569	560	320	466	423	388	340	195	
Number of Taxa	16	17	15	18	17	15	17	12	12	10	
											Muskoka Average *
Richness	16	17	15	18	17	15	17	12	15	12	14
% EOT	7	3	4	23	10	6	9	3	7	6	17
% Chironimids	10	2	14	21	17	11	26	7	6	6	12
% Predators	35	4	7	25	27	9	16	19	7	7	19
% Shredders	5	1	1	3	4	1	0	0	0	2	3
% Collectors/Gatherers	62	93	91	67	62	89	80	74	92	84	73
Hilsenhoff Index	7.04	7.65	7.34	6.54	6.54	6.34	6.83	6.68	6.88	6.32	6.25

* 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 26 oligotrophic lakes throughout Muskoka were used.