

Aquatic Invertebrate Data Sheet

Hoc Roc River Town of Gravenhurst

Common Name	Site 1											
	2008	2009	2010	2011	2014	2015	2016			2018		
							1	2	3	1	2	3
Hydras												
Flatworms			1	9	6			3	2			
Roundworms	13					1						
Aquatic Earthworms	2	3	7	5	13	1		2		7		
Leeches	1	4	2	3	2	6	4	2	2		1	
Sow Bugs	97	800	348	86	70	57	51	13	52	37	32	36
Clams		6	7	7	7	1	1	4	1	3	1	8
Fairy Shrimp	49	70	82	151	50	295	2	46	49	47	43	59
Crayfish		1										
Mites	92		3	7	54	10	1	18	8	20	27	18
Mayflies	2	2	3	16	9	9		13	3	2	2	
Dragonflies	1	11	8	21	9	3	2	2	2			
Damselflies	18	3	8	77	2	12		4	9	1	1	
Stoneflies										1	2	
True Bugs	1	3	5									
Fishflies & Alderflies	2	17	12	10	5	8		1	1			3
Caddisflies	2	9	5	13	12	6		1	1			
Aquatic Moths				1	1							
Beetles		3		10	7		2	1	1			
Snails & Limpets		9		24	14	4		2	8	1	6	6
Midges	31	21	77	117	56	52	42	41	27	11	6	8
Horse & Deer Flies	1	1	1	2			1		1			
Mosquitos												
No-see-ums				1	3	1		1				
Craneflies	15											
Blackflies												
Misc. True Flies	1	1										
Total Count	328	964	569	560	320	466	106	154	167	129	121	128
Number of Taxa	16	17	15	18	17	15	9	16	15	10	10	7
Richness	16	17	15	18	17	15		17		12		
% EOT	7	3	4	23	10	6		9		3		
% Chironimids	10	2	14	21	17	11		26		7		
% Predators	35	4	7	25	27	9		16		19		
% Shredders	5	1	1	3	4	1		0		0		
% Collectors/Gatherers	62	93	91	67	62	89		80		74		
Hilsenhoff Index	7.04	7.65	7.34	6.54	6.54	6.34		6.83		6.68		

* The Muskoka Average is based on 147 samples collected at 76 reference sites between 2004 and 2011. mesotrophic and 26 oligotrophic lakes throughout Muskoka were used.

Scientific Name
Coelenterata
Turbellaria
Nematoda
Oligochaeta
Hirudinaea
Isopoda
Pelecypoda
Amphipoda
Decapoda
Hydracarina
Ephemeroptera
Anisoptera
Zygoptera
Plecoptera
Hemiptera
Megaloptera
Trichoptera
Lepidoptera
Coleoptera
Gastropoda
Chironomidae
Tabanidae
Culicidae
Ceratopogonidae
Tipulidae
Simuliidae
Misc. Diptera
Muskoka Average *
14
22
12
23
3
70
6.10

. Reference sites from 9