THE DISTRICT MUNICIPALITY OF MUSKOKA

Managing Our Legacy Together

Aquatic Invertebrate Data Sheet

McCready's Creek

Township of Lake of Bays

Common Name	Site 1 [R]						Scientific Name
	2005	2006	2008	2013	2016	2021	
Hydras							Coelenterata
Flatworms	1	1				1	Turbellaria
Roundworms	6			27	1	40	Nematoda
Aquatic Earthworms	5	13	15	45	34	11	Oligochaeta
Leeches			3		1		Hirudinaea
Sow Bugs							Isopoda
Clams			1				Pelecypoda
Fairy Shrimp			1		4		Amphipoda
Crayfish		1		3	7	1	Decapoda
Mites	2	6	17	5	7	11	Hydracarina
Mayflies	116	153	129	75	73	45	Ephemeroptera
Dragonflies	37	19	7	25	47	6	Anisoptera
Damselflies	39	16	1	5	8	71	Zygoptera
Stoneflies	5	7	4		3		Plecoptera
True Bugs	1						Hemiptera
Fishflies & Alderflies			1	8			Megaloptera
Caddisflies	34	53	9	47	37	104	Trichoptera
Aquatic Moths							Lepidoptera
Beetles	20	15	51	14	9	8	Coleoptera
Snails & Limpets	1						Gastropoda
Midges	36	45	107	36	98	17	Chironomidae
Horse & Deer Flies			17	4	5	3	Tabanidae
Mosquitos	2	2	1	3		3	Culicidae
No-see-ums	3	2	3	6	19	9	Ceratopogonidae
Craneflies		2		10	17	4	Tipulidae
Blackflies	3	16	1			4	Simuliidae
Misc. True Flies	4	13	1	1		4	Misc. Diptera
Total Count	315	364	369	314	370	342	
Number of Taxa	17	16	18	16	16	17	
							Muskoka Average *
Richness	17	16	18	16	16	17	**14**
% EOT	72	66	40	48	45	66	**17**
% Chironimids	11	12	29	12	27	5	**12**
% Predators	34	18	27	21	27	32	**19**
% Shredders	11	15	2	18	15	32	**3**
% Collectors/Gatherers	52	62	70	52	58	24	**73**
Hilsenhoff Index	5.34	5.24	5.86	5.52	5.75	5.40	**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.