THE DISTRICT MUNICIPALITY OF MUSKOKA

Managing Our Legacy Together

Aquatic Invertebrate Data Sheet

Palette Lake

Town of Huntsville

Common Name	Site 1 [R] 2004			Site 2 [R] 2005			Scientific Name
	1	2	3	1	2	3	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms	11	7					Nematoda
Aquatic Earthworms	2	5	1	1			Oligochaeta
Leeches							Hirudinaea
Sow Bugs							Isopoda
Clams							Pelecypoda
Fairy Shrimp	26	46	72	15	5	60	Amphipoda
Crayfish							Decapoda
Mites	7	4		7	5		Hydracarina
Mayflies	7	2	1	9	1	20	Ephemeroptera
Dragonflies	9	2	4	2	4	4	Anisoptera
Damselflies	3	5		2	2	4	Zygoptera
Stoneflies							Plecoptera
True Bugs							Hemiptera
Fishflies & Alderflies	1	2					Megaloptera
Caddisflies	1			3		9	Trichoptera
Aquatic Moths							Lepidoptera
Beetles				1	1	1	Coleoptera
Snails & Limpets	4	2	1	1			Gastropoda
Midges	8	4	20	9	5	2	Chironomidae
Horse & Deer Flies	1		1		1		Tabanidae
Mosquitos						1	Culicidae
No-see-ums	8	12	1		1		Ceratopogonidae
Craneflies							Tipulidae
Blackflies	12	14					Simuliidae
Misc. True Flies	1						Misc. Diptera
Total Count	101	105	101	50	25	101	
Number of Taxa	15	12	8	10	9	8	
							Muskoka Average *
Richness	15			13			**14**
% EOT	11			34			**22**
% Chironimids	10			9			**12**
% Predators	20			20			**23**
% Shredders	0			7			**3**
% Collectors/Gatherers	64			73			**70**
Hilsenhoff Index	6.05			5.81			**6.10**

R = Reference Site

* The Muskoka Average is based on 147 samples collected at 76 reference sites between 2004 and 2011. Reference sites from 9 mesotrophic and 26 oligotrophic lakes throughout Muskoka were used.