

## Aquatic Invertebrate Data Sheet

### McCready's Creek Township of Lake of Bays

Common Name	Site 1 <sup>R</sup>									Scientific Name
	2005			2006			2008			
	1	2	3	1	2	3	1	2	3	
Hydras										Coelenterata
Flatworms	1			1						Turbellaria
Roundworms	5		1							Nematoda
Aquatic Earthworms		5		3	10		12	1	2	Oligochaeta
Leeches							2		1	Hirudinaea
Sow Bugs										Isopoda
Clams								1		Pelecypoda
Fairy Shrimp								1		Amphipoda
Crayfish				1						Decapoda
Mites	1		1			6	4		13	Hydracarina
Mayflies	41	35	40	46	38	69	64	7	58	Ephemeroptera
Dragonflies	18	5	14	10	6	3	6		1	Anisoptera
Damselflies	10	5	24	3	7	6			1	Zygoptera
Stoneflies	3	1	1	3		4	2		2	Plecoptera
True Bugs		1								Hemiptera
Fishflies & Alderflies									1	Megaloptera
Caddisflies	10	14	10	35	8	10	3	1	5	Trichoptera
Aquatic Moths										Lepidoptera
Beetles	3	7	10	6	2	7	25	1	25	Coleoptera
Snails & Limpets		1								Gastropoda
Midges	9	15	12	11	24	10	55	21	31	Chironomidae
Horse & Deer Flies							5		12	Tabanidae
Mosquitos		2		1	1				1	Culicidae
No-see-ums	1	2		1	1		2		1	Ceratopogonidae
Craneflies					1	1				Tipulidae
Blackflies	3			13	1	2	1			Simuliidae
Misc. True Flies	2	1	1	6	2	5		1		Misc. Diptera
<b>Total Count</b>	107	94	114	140	101	123	181	34	154	
<b>Number of Taxa</b>	13	12	10	14	13	11	12	8	14	
										<b>Muskoka Average *</b>
<b>Richness</b>		18			16			17		<b>13</b>
<b>% EOT</b>		72			66			40		<b>26</b>
<b>% Chironimids</b>		11			12			29		<b>12</b>
<b>% Predators</b>		34			18			27		<b>24</b>
<b>% Shredders</b>		11			15			2		<b>2</b>
<b>% Collectors/Gatherers</b>		52			62			70		<b>69</b>
<b>Hilsenhoff Index</b>		5.34			5.24			5.86		<b>5.99</b>

R = Reference Site

\* The Muskoka Average is based on 73 samples collected at 44 reference sites between 2004 to 2008. Reference sites from five mesotrophic and nineteen oligotrophic lakes throughout Muskoka were used.