

## Aquatic Invertebrate Data Sheet

### Ada Lake Township of Muskoka Lakes

Common Name	Site 1			Site 2 <sup>R</sup>						Site 4 <sup>R</sup>			Scientific Name
	2005			2006			2007			2009			
	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras													Coelenterata
Flatworms				3	1								Turbellaria
Roundworms			6	1									Nematoda
Aquatic Earthworms	2		2		1		2	2	1				Oligochaeta
Leeches									1		1	1	Hirudinaea
Sow Bugs	36	51	1	21	33	21	23	20	45	70	140	126	Isopoda
Clams			9							3			Pelecypoda
Fairy Shrimp	34	19	13	16	22	12	24	14	29	59	29	96	Amphipoda
Crayfish										4		1	Decapoda
Mites	1	1	5	2	3		11	4	1	1	3		Hydracarina
Mayflies	23	22	2	11	12	26	12	7	13	1	1	3	Ephemeroptera
Dragonflies	3	1	3	14	7	2	7	5	4	7	3	6	Anisoptera
Damselflies	5	2	6	11	16	14		9	4	2	1		Zygoptera
Stoneflies													Plecoptera
True Bugs													Hemiptera
Fishflies & Alderflies		2		1					2				Megaloptera
Caddisflies	12	8	1	5	6	8	5	14	4	3	1	1	Trichoptera
Aquatic Moths													Lepidoptera
Beetles	1										1		Coleoptera
Snails & Limpets			4			1							Gastropoda
Midges	16	9	50	26	18	29	22	25	9	19	18	14	Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos			1			1		3					Culicidae
No-see-ums		1											Ceratopogonidae
Craneflies													Tipulidae
Blackflies													Simuliidae
Misc. True Flies													Misc. Diptera
<b>Total Count</b>	133	116	103	111	119	114	106	103	113	169	198	248	
<b>Number of Taxa</b>	10	10	13	11	10	9	8	10	11	10	10	8	
<b>Richness</b>		16			15			11			12		<b>Muskoka Average *</b> 13
<b>% EOT</b>		25			38			26			5		26
<b>% Chironimids</b>		21			21			17			8		12
<b>% Predators</b>		9			22			15			4		24
<b>% Shredders</b>		6			6			7			1		2
<b>% Collectors/Gatherers</b>		80			72			77			95		69
<b>Hilsenhoff Index</b>		6.53			6.45			6.44			7.14		5.99

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.