

## Aquatic Invertebrate Data Sheet

### Fairy Lake Town of Huntsville

Common Name	Site 3 <sup>R</sup>						Site 5			Site 2 <sup>R</sup>			Scientific Name
	2004			2005			2008			2009			
	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras													Coelenterata
Flatworms	1	1	1	3	1	4							Turbellaria
Roundworms				4	9	5							Nematoda
Aquatic Earthworms	16	10	2	14	9	5	20	16	16	1			Oligochaeta
Leeches								1	2				Hirudinaea
Sow Bugs	12	28	75	30		25	15	17	17	27	11	10	Isopoda
Clams		2			1		9	23	4				Pelecypoda
Fairy Shrimp	80	30	21	61	42	28	23	43	32	93	75	159	Amphipoda
Crayfish													Decapoda
Mites	2	1		15	10	12	2	3		2	1	3	Hydracarina
Mayflies				3	1	1	15	10	8	16	5	30	Ephemeroptera
Dragonflies	1	16	1	4	17	7		1	1	1		1	Anisoptera
Damselflies		1	1		1		2	3	1	3	4	1	Zygoptera
Stoneflies													Plecoptera
True Bugs			1										Hemiptera
Fishflies & Alderflies	1	1	1										Megaloptera
Caddisflies				2	3	6	2	2		2	2	2	Trichoptera
Aquatic Moths													Lepidoptera
Beetles				5	1	3	2	1		4		5	Coleoptera
Snails & Limpets	1	6		2	7	1	2	1	2	5			Gastropoda
Midges	7	5	2	8	3	5	14	13	10	25	8	3	Chironomidae
Horse & Deer Flies													Tabanidae
Mosquitos													Culicidae
No-see-ums	1	1	1				2	1		1		1	Ceratopogonidae
Craneflies													Tipulidae
Blackflies													Simuliidae
Misc. True Flies													Misc. Diptera
<b>Total Count</b>	122	102	106	151	105	102	108	135	93	180	106	215	
<b>Number of Taxa</b>	10	12	10	12	13	12	12	14	10	12	7	10	
<b>Richness</b>		13		15			14			12			<b>Muskoka Average *</b> <b>13</b>
<b>% EOT</b>		6		12			13			13			<b>26</b>
<b>% Chironimids</b>		4		5			11			7			<b>12</b>
<b>% Predators</b>		10		23			7			5			<b>24</b>
<b>% Shredders</b>		0		3			1			1			<b>2</b>
<b>% Collectors/Gatherers</b>		87		65			80			92			<b>69</b>
<b>Hilsenhoff Index</b>		6.85		6.23			6.83			6.13			<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.