

## Aquatic Invertebrate Data Sheet

### Lake Waseosa Town of Huntsville

Common Name	Site 1 <sup>R</sup>									Scientific Name
	2004			2006			2007			
	1	2	3	1	2	3	1	2	3	
Hydras										Coelenterata
Flatworms				6	8	3				Turbellaria
Roundworms				8	4	9			1	Nematoda
Aquatic Earthworms	3	1	3				1	6	3	Oligochaeta
Leeches										Hirudinaea
Sow Bugs										Isopoda
Clams										Pelecypoda
Fairy Shrimp	29	53	45	29	32	34	37	48	42	Amphipoda
Crayfish						12			1	Decapoda
Mites	10	9		2	6		3	3		Hydracarina
Mayflies	2	4	3	13	26	21	14	8	20	Ephemeroptera
Dragonflies	7	4	2	6	6	2	6	4	6	Anisoptera
Damselflies	3	2		8	15	5	3	3	1	Zygoptera
Stoneflies										Plecoptera
True Bugs	1									Hemiptera
Fishflies & Alderflies										Megaloptera
Caddisflies		1		6	1	2	2	1	1	Trichoptera
Aquatic Moths										Lepidoptera
Beetles		2	4	6	5	10	7	3	6	Coleoptera
Snails & Limpets							1			Gastropoda
Midges	18	20	44	29	15	14	27	21	23	Chironomidae
Horse & Deer Flies										Tabanidae
Mosquitos	1							1		Culicidae
No-see-ums	10	4	1	3	2		1	2		Ceratopogonidae
Craneflies										Tipulidae
Blackflies										Simuliidae
Misc. True Flies										Misc. Diptera
<b>Total Count</b>	84	100	102	116	120	112	102	100	104	
<b>Number of Taxa</b>	10	10	7	11	11	10	11	11	10	
<b>Richness</b>		12			11			11		<b>Muskoka Average *</b> <b>13</b>
<b>% EOT</b>		10			32			41		<b>26</b>
<b>% Chironimids</b>		29			17			17		<b>12</b>
<b>% Predators</b>		21			27			25		<b>24</b>
<b>% Shredders</b>		0			2			1		<b>2</b>
<b>% Collectors/Gatherers</b>		79			65			73		<b>69</b>
<b>Hilsenhoff Index</b>		6.23			5.42			5.99		<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.

## Aquatic Invertebrate Data Sheet

### Lake Waseosa Town of Huntsville

Common Name	Site 2 <sup>R</sup>									Scientific Name
	2005			2008			2009			
	1	2	3	1	2	3	1	2	3	
Hydras										Coelenterata
Flatworms										Turbellaria
Roundworms										Nematoda
Aquatic Earthworms										Oligochaeta
Leeches	1									Hirudinaea
Sow Bugs										Isopoda
Clams										Pelecypoda
Fairy Shrimp	41	38	43	13	24	30	92	92	49	Amphipoda
Crayfish										Decapoda
Mites	1	7		10	10	6	2	2	2	Hydracarina
Mayflies	20	39	16	16	28	69	75	75	44	Ephemeroptera
Dragonflies	6	10	8	8	10	27	34	34	26	Anisoptera
Damselflies	8	22	17	2	12	23	17	17	35	Zygoptera
Stoneflies										Plecoptera
True Bugs										Hemiptera
Fishflies & Alderflies						1				Megaloptera
Caddisflies	1	1	1		1	3	5	5	7	Trichoptera
Aquatic Moths										Lepidoptera
Beetles	5	5	1		1	2	3	3	2	Coleoptera
Snails & Limpets	1		1		1	1				Gastropoda
Midges	23	22	17	58	33	37	31	31	24	Chironomidae
Horse & Deer Flies										Tabanidae
Mosquitos	1	2	2	2	2					Culicidae
No-see-ums				1	1				1	Ceratopogonidae
Craneflies										Tipulidae
Blackflies										Simuliidae
Misc. True Flies					1					Misc. Diptera
<b>Total Count</b>	108	146	106	110	124	199	259	259	190	
<b>Number of Taxa</b>	11	9	9	8	12	10	8	8	9	
<b>Richness</b>		11			13			9		<b>Muskoka Average *</b> <b>13</b>
<b>% EOT</b>		41			48			53		<b>26</b>
<b>% Chironimids</b>		17			31			12		<b>12</b>
<b>% Predators</b>		25			28			25		<b>24</b>
<b>% Shredders</b>		1			1			2		<b>2</b>
<b>% Collectors/Gatherers</b>		73			70			73		<b>69</b>
<b>Hilsenhoff Index</b>		5.99			6.00			5.74		<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.