

## Aquatic Invertebrate Data Sheet

### Buck Lake Town of Huntsville

Common Name	Site 1 <sup>R</sup>			Scientific Name
	2009			
	1	2	3	
Hydras				Coelenterata
Flatworms				Turbellaria
Roundworms				Nematoda
Aquatic Earthworms	2		1	Oligochaeta
Leeches				Hirudinaea
Sow Bugs				Isopoda
Clams			2	Pelecypoda
Fairy Shrimp	141	246	72	Amphipoda
Crayfish				Decapoda
Mites	7	2	6	Hydracarina
Mayflies	32	33	7	Ephemeroptera
Dragonflies	9	8	6	Anisoptera
Damselflies	8	8	1	Zygoptera
Stoneflies				Plecoptera
True Bugs		1	2	Hemiptera
Fishflies & Alderflies	7	7	9	Megaloptera
Caddisflies	4	1	1	Trichoptera
Aquatic Moths				Lepidoptera
Beetles	1	1		Coleoptera
Snails & Limpets			3	Gastropoda
Midges	31	22	39	Chironomidae
Horse & Deer Flies				Tabanidae
Mosquitos				Culicidae
No-see-ums		1	2	Ceratopogonidae
Craneflies				Tipulidae
Blackflies				Simuliidae
Misc. True Flies				Misc. Diptera
<b>Total Count</b>	242	330	151	
<b>Number of Taxa</b>	10	11	13	
				<b>Muskoka Average *</b>
<b>Richness</b>		14		<b>13</b>
<b>% EOT</b>		16		<b>26</b>
<b>% Chironimids</b>		13		<b>12</b>
<b>% Predators</b>		12		<b>24</b>
<b>% Shredders</b>		1		<b>2</b>
<b>% Collectors/Gatherers</b>		87		<b>69</b>
<b>Hilsenhoff Index</b>		5.95		<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

### Buck Lake Town of Huntsville

Common Name	Site 2 <sup>R</sup>						Site 4 <sup>R</sup>						Scientific Name	
	2004			2005			2006			2007				
	1	2	3	1	2	3	1	2	3	1	2	3		
Hydras														Coelenterata
Flatworms	3	2			3	28	17	6		2	4	1		Turbellaria
Roundworms	1	2			1		18	14	10					Nematoda
Aquatic Earthworms	4	3	2											Oligochaeta
Leeches	1		1	1										Hirudinaea
Sow Bugs														Isopoda
Clams														Pelecypoda
Fairy Shrimp	44	20	39	47	37	55	50	37	24	95	89	27		Amphipoda
Crayfish														Decapoda
Mites	8	8	9	24	7	13	14	17	8	12	3	9		Hydracarina
Mayflies	13	6	5	15	15	6	13	13	36	18	24	22		Ephemeroptera
Dragonflies	21	16	14	14	16	2	10	7	7	9	7	7		Anisoptera
Damselflies	11	6	12	31	27	17	13	25	10	2	3	3		Zygoptera
Stoneflies														Plecoptera
True Bugs				1					1					Hemiptera
Fishflies & Alderflies	3	42	6	5		1			6		1	19		Megaloptera
Caddisflies				1			2	4				2		Trichoptera
Aquatic Moths														Lepidoptera
Beetles		1		2		2	3	1				1		Coleoptera
Snails & Limpets	2	4	3	4	2	12	1	2			1			Gastropoda
Midges	18	27	20	8	6	7	1	9	17	4	9	25		Chironomidae
Horse & Deer Flies		1	1											Tabanidae
Mosquitos					1			1	1					Culicidae
No-see-ums	3	4	4				2				1			Ceratopogonidae
Craneflies														Tipulidae
Blackflies														Simuliidae
Misc. True Flies				2	5	7								Misc. Diptera
<b>Total Count</b>	132	142	116	155	120	150	144	136	120	142	142	116		
<b>Number of Taxa</b>	13	14	12	9	11	11	12	12	10	7	10	10		
														<b>Muskoka Average *</b>
<b>Richness</b>		15		15			15			12				<b>13</b>
<b>% EOT</b>		27		34			35			24				<b>26</b>
<b>% Chironimids</b>		17		5			7			10				<b>12</b>
<b>% Predators</b>		45		46			37			21				<b>24</b>
<b>% Shredders</b>		0		0			2			1				<b>2</b>
<b>% Collectors/Gatherers</b>		52		50			51			78				<b>69</b>
<b>Hilsenhoff Index</b>		5.84		5.87			6.16			5.75				<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.