

## Aquatic Invertebrate Data Sheet

### Palette Lake Town of Huntsville

Common Name	Site 1 <sup>R</sup>			Site 2 <sup>R</sup>			Scientific Name
	2004			2005			
	1	2	3	1	2	3	
Hydras							Coelenterata
Flatworms							Turbellaria
Roundworms	11	7					Nematoda
Aquatic Earthworms	2	5	1	1			Oligochaeta
Leeches							Hirudinaea
Sow Bugs							Isopoda
Clams							Pelecypoda
Fairy Shrimp	26	46	72	15	5	60	Amphipoda
Crayfish							Decapoda
Mites	7	4		7	5		Hydracarina
Mayflies	7	2	1	9	1	20	Ephemeroptera
Dragonflies	9	2	4	2	4	4	Anisoptera
Damselflies	3	5		2	2	4	Zygoptera
Stoneflies							Plecoptera
True Bugs							Hemiptera
Fishflies & Alderflies	1	2					Megaloptera
Caddisflies	1			3		9	Trichoptera
Aquatic Moths							Lepidoptera
Beetles				1	1	1	Coleoptera
Snails & Limpets	4	2	1	1			Gastropoda
Midges	8	4	20	9	5	2	Chironomidae
Horse & Deer Flies	1		1		1		Tabanidae
Mosquitos						1	Culicidae
No-see-ums	8	12	1		1		Ceratopogonidae
Craneflies							Tipulidae
Blackflies	12	14					Simuliidae
Misc. True Flies	1						Misc. Diptera
<b>Total Count</b>	101	105	101	50	25	101	
<b>Number of Taxa</b>	15	12	8	10	9	8	
							<b>Muskoka Average *</b>
<b>Richness</b>		15			13		<b>13</b>
<b>% EOT</b>		11			34		<b>26</b>
<b>% Chironimids</b>		10			9		<b>12</b>
<b>% Predators</b>		20			20		<b>24</b>
<b>% Shredders</b>		0			7		<b>2</b>
<b>% Collectors/Gatherers</b>		64			73		<b>69</b>
<b>Hilsenhoff Index</b>		6.05			5.81		<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.