

## Aquatic Invertebrate Data Sheet

### Menominee Lake Township of Lake of Bays

Common Name	Site 2 <sup>R</sup>			Site 3 <sup>R</sup>						Site 4 <sup>R</sup>						Scientific Name
	2004			2005			2006			2007			2008			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras																Coelenterata
Flatworms						2	2	1	12	1	1					Turbellaria
Roundworms					4		8	6	9				5	9	4	Nematoda
Aquatic Earthworms	1	4	13	3	8	5	1		1	11	2	5	1	2	2	Oligochaeta
Leeches	1															Hirudinaea
Sow Bugs																Isopoda
Clams		9	2	3	1		1									Pelecypoda
Fairy Shrimp	39	12	35	6	21	48	20	36	34	31	34	38	44	20	53	Amphipoda
Crayfish						1										Decapoda
Mites	5	6	13	19	6	12	8	8	14	7	17	15	32	30	34	Hydracarina
Mayflies			1	2	21	7	8	49		5	5	1	3	2	8	Ephemeroptera
Dragonflies	7	4	4	23	20	21	22	4	5	13	11	4	7	11	3	Anisoptera
Damselflies	2				2	1	4		3	7	7					Zygoptera
Stoneflies																Plecoptera
True Bugs			5													Hemiptera
Fishflies & Alderflies			1	2			2		2			9	2	3		Megaloptera
Caddisflies			14	9	21	18	1	5	19	7	3	1	3	12	3	Trichoptera
Aquatic Moths																Lepidoptera
Beetles				6	5	8	6	1	6	1		1		1		Coleoptera
Snails & Limpets	3	5			5	1	6	2		2	1	1		2		Gastropoda
Midges	45	55	10	22	13	11	7	4	7	19	16	22	14	14	13	Chironomidae
Horse & Deer Flies		3		1									1			Tabanidae
Mosquitos	2												4		1	Culicidae
No-see-ums	1	3	9	7		2				8	6	4	2	2		Ceratopogonidae
Craneflies																Tipulidae
Blackflies			1													Simuliidae
Misc. True Flies							1									Misc. Diptera
<b>Total Count</b>	106	101	108	103	127	137	97	116	112	112	103	101	118	108	121	
<b>Number of Taxa</b>	10	9	12	11	13	13	15	10	11	12	11	11	12	12	9	
																<b>Muskoka Average *</b>
<b>Richness</b>		17			17			13			13			14		<b>13</b>
<b>% EOT</b>		10			39			37			20			15		<b>26</b>
<b>% Chironimids</b>		35			13			6			18			12		<b>12</b>
<b>% Predators</b>		20			37			31			35			37		<b>24</b>
<b>% Shredders</b>		4			13			8			4			5		<b>2</b>
<b>% Collectors/Gatherers</b>		69			46			51			60			52		<b>69</b>
<b>Hilsenhoff Index</b>		6.44			5.56			5.38			6.08			5.90		<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

### Menominee Lake Township of Lake of Bays

Common Name	Site 5 <sup>R</sup>			Scientific Name
	2009			
	1	2	3	
Hydras				Coelenterata
Flatworms				Turbellaria
Roundworms				Nematoda
Aquatic Earthworms	7	4	3	Oligochaeta
Leeches		2		Hirudinaea
Sow Bugs	1			Isopoda
Clams			1	Pelecypoda
Fairy Shrimp	85	19	75	Amphipoda
Crayfish				Decapoda
Mites	4	16	14	Hydracarina
Mayflies	18	20	9	Ephemeroptera
Dragonflies	9	20	8	Anisoptera
Damselflies	8	31	23	Zygoptera
Stoneflies	1			Plecoptera
True Bugs	2	1		Hemiptera
Fishflies & Alderflies				Megaloptera
Caddisflies		11	5	Trichoptera
Aquatic Moths				Lepidoptera
Beetles	14	2	8	Coleoptera
Snails & Limpets				Gastropoda
Midges	21	36	10	Chironomidae
Horse & Deer Flies				Tabanidae
Mosquitos				Culicidae
No-see-ums		4		Ceratopogonidae
Craneflies				Tipulidae
Blackflies				Simuliidae
Misc. True Flies				Misc. Diptera
<b>Total Count</b>	170	166	156	
<b>Number of Taxa</b>	11	12	10	
				<b>Muskoka Average *</b>
<b>Richness</b>		15		<b>13</b>
<b>% EOT</b>		33		<b>26</b>
<b>% Chironimids</b>		14		<b>12</b>
<b>% Predators</b>		34		<b>24</b>
<b>% Shredders</b>		3		<b>2</b>
<b>% Collectors/Gatherers</b>		63		<b>69</b>
<b>Hilsenhoff Index</b>		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.