

Aquatic Invertebrate Data Sheet

Lake Waseosa Town of Huntsville

Common Name	Site 1 ^R															Scientific Name
	2004 (Jun)			2006 (May)			2007 (May)			2012 (Aug)			2013 (Aug)			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
Hydras																Coelenterata
Flatworms				6	8	3					2	3				Turbellaria
Roundworms				8	4	9			1					6	2	Nematoda
Aquatic Earthworms	3	1	3				1	6	3	21	26	7	2	2	8	Oligochaeta
Leeches										1					1	Hirudinaea
Sow Bugs																Isopoda
Clams											1	1				Pelecypoda
Fairy Shrimp	29	53	45	29	32	34	37	48	42	99	70	75	28	31	23	Amphipoda
Crayfish						12			1							Decapoda
Mites	10	9		2	6		3	3		8	46	19	13	16	13	Hydracarina
Mayflies	2	4	3	13	26	21	14	8	20	1	19	40	4	9	5	Ephemeroptera
Dragonflies	7	4	2	6	6	2	6	4	6	9	7	9	3	1	2	Anisoptera
Damselflies	3	2		8	15	5	3	3	1	5	8	4	1	2		Zygoptera
Stoneflies																Plecoptera
True Bugs	1															Hemiptera
Fishflies & Alderflies											1		10		2	Megaloptera
Caddisflies		1		6	1	2	2	1	1	5	19	4	13	18	15	Trichoptera
Aquatic Moths																Lepidoptera
Beetles		2	4	6	5	10	7	3	6	9	7	6	6	6	4	Coleoptera
Snails & Limpets							1								5	Gastropoda
Midges	18	20	44	29	15	14	27	21	23	11	47	19	38	17	32	Chironomidae
Horse & Deer Flies																Tabanidae
Mosquitos	1							1								Culicidae
No-see-ums	10	4	1	3	2		1	2						2	1	Ceratopogonidae
Craneflies																Tipulidae
Blackflies																Simuliidae
Misc. True Flies																Misc. Diptera
Total Count	84	100	102	116	120	112	102	100	104	169	253	187	118	110	113	
Number of Taxa	10	10	7	11	11	10	11	11	10	10	12	11	10	11	13	
																Muskoka Average *
Richness	12			11			11			13			14			14
% EOT	10			32			41			22			28			22
% Chironimids	29			17			17			13			12			12
% Predators	21			27			25			23			32			23
% Shredders	0			2			1			5			1			3
% Collectors/Gatherers	79			65			73			72			66			70
Hilsenhoff Index	6.23			5.42			5.99			6.02			5.41			6.10

R = Reference Site

* The Muskoka Average is based on 147 samples collected at 76 reference sites between 2004 and 2011. Reference sites from 9 mesotrophic and 26 oligotrophic lakes throughout Muskoka were used.

Aquatic Invertebrate Data Sheet

Lake Waseosa Town of Huntsville

Common Name	Site 2 ^R									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
Total Count	108	146	106	110	124	199	259	259	190	
Number of Taxa	11	9	9	8	12	10	8	8	9	
										Muskoka Average *
Richness	11			13			9			14
% EOT	41			48			53			22
% Chironimids	17			31			12			12
% Predators	25			28			25			23
% Shredders	1			1			2			3
% Collectors/Gatherers	73			70			73			70
Hilsenhoff Index	5.99			6.00			5.74			6.10

R = Reference Site

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Aquatic Invertebrate Data Sheet

Lake Waseosa Town of Huntsville

Common Name	Site 3 ^R									Scientific Name
	2010			2011			2014			
	1	2	3	1	2	3	1	2	3	
Hydras										Coelenterata
Flatworms				2						Turbellaria
Roundworms	1									Nematoda
Aquatic Earthworms	5	11	1	15	1		7		1	Oligochaeta
Leeches		1	1					1		Hirudinaea
Sow Bugs							1	1		Isopoda
Clams										Pelecypoda
Fairy Shrimp	83	114	130	86	98	85	76	76	73	Amphipoda
Crayfish										Decapoda
Mites	35	20	15	11	4	4	4	8	8	Hydracarina
Mayflies	1	6	5	25		10	4	5	2	Ephemeroptera
Dragonflies	5	1	9	15	9	9	6	6	7	Anisoptera
Damselflies		2	5	11	11	5			4	Zygoptera
Stoneflies										Plecoptera
True Bugs										Hemiptera
Fishflies & Alderflies			1					1	1	Megaloptera
Caddisflies	7	10	15	13	16	22	5	9	10	Trichoptera
Aquatic Moths										Lepidoptera
Beetles	2		11	8	3	1	5	6	10	Coleoptera
Snails & Limpets		1	2					1	3	Gastropoda
Midges	2	4	3	3	2	3		7	1	Chironomidae
Horse & Deer Flies									1	Tabanidae
Mosquitos										Culicidae
No-see-ums										Ceratopogonidae
Craneflies										Tipulidae
Blackflies										Simuliidae
Misc. True Flies										Misc. Diptera
Total Count	141	170	198	189	144	139	108	121	121	
Number of Taxa	9	10	12	10	8	8	8	11	12	
										Muskoka Average *
Richness	13			10			13			14
% EOT	13			31			17			22
% Chironimids	2			2			2			12
% Predators	21			20			20			23
% Shredders	6			11			7			3
% Collectors/Gatherers	72			70			73			70
Hilsenhoff Index	5.88			5.72			5.75			6.10

R = Reference Site

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