

## Aquatic Invertebrate Data Sheet

### Hoc Roc River Town of Gravenhurst

Common Name	Site 1													
	2008	2009	2010	2011	2014	2015	2016			2018			2019	
							1	2	3	1	2	3	1	2
Hydras														
Flatworms			1	9	6			3	2					
Roundworms	13					1								
Aquatic Earthworms	2	3	7	5	13	1		2		7			2	1
Leeches	1	4	2	3	2	6	4	2	2		1		1	
Sow Bugs	97	800	348	86	70	57	51	13	52	37	32	36	56	39
Clams		6	7	7	7	1	1	4	1	3	1	8	1	1
Fairy Shrimp	49	70	82	151	50	295	2	46	49	47	43	59	44	41
Crayfish		1												
Mites	92		3	7	54	10	1	18	8	20	27	18	1	
Mayflies	2	2	3	16	9	9		13	3	2	2		3	4
Dragonflies	1	11	8	21	9	3	2	2	2					1
Damselflies	18	3	8	77	2	12		4	9	1	1		6	
Stoneflies										1	2			
True Bugs	1	3	5											
Fishflies & Alderflies	2	17	12	10	5	8		1	1			3		1
Caddisflies	2	9	5	13	12	6		1	1				1	
Aquatic Moths				1	1									
Beetles		3		10	7		2	1	1				2	
Snails & Limpets		9		24	14	4		2	8	1	6	6		1
Midges	31	21	77	117	56	52	42	41	27	11	6	8	4	11
Horse & Deer Flies	1	1	1	2			1		1					
Mosquitos														
No-see-ums				1	3	1		1					1	1
Craneflies	15													
Blackflies														
Misc. True Flies	1	1												
<b>Total Count</b>	328	964	569	560	320	466	106	154	167	129	121	128	122	101
<b>Number of Taxa</b>	16	17	15	18	17	15	9	16	15	10	10	7	12	10
<b>Richness</b>	16	17	15	18	17	15		17			12			15
<b>% EOT</b>	7	3	4	23	10	6		9			3			7
<b>% Chironimids</b>	10	2	14	21	17	11		26			7			6
<b>% Predators</b>	35	4	7	25	27	9		16			19			7
<b>% Shredders</b>	5	1	1	3	4	1		0			0			0
<b>% Collectors/Gatherers</b>	62	93	91	67	62	89		80			74			92
<b>Hilsenhoff Index</b>	7.04	7.65	7.34	6.54	6.54	6.34		6.83			6.68			6.88

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

	Scientific Name
3	
	Coelenterata
	Turbellaria
	Nematoda
	Oligochaeta
	Hirudinea
52	Isopoda
	Pelecypoda
44	Amphipoda
	Decapoda
2	Hydracarina
6	Ephemeroptera
2	Anisoptera
1	Zygoptera
	Plecoptera
	Hemiptera
4	Megaloptera
1	Trichoptera
	Lepidoptera
	Coleoptera
	Gastropoda
5	Chironomidae
	Tabanidae
	Culicidae
	Ceratopogonidae
	Tipulidae
	Simuliidae
	Misc. Diptera
117	
9	
	<b>Muskoka Average *</b>
	14
	22
	12
	23
	3
	70
	6.10

tes from 9 mesotrophic and 26