

Aquatic Invertebrate Data Sheet

Hoc Roc River Town of Gravenhurst

| Common Name | Site 1 | | | | | | Scientific Name |
|-------------------------------|--------|------|-----|------|------|-----|--------------------------|
| | 2008 | | | 2009 | | | |
| | 1 | 2 | 3 | 1 | 2 | 3 | |
| Hydras | | | | | | | Coelenterata |
| Flatworms | | | | | | | Turbellaria |
| Roundworms | 7 | 2 | 4 | | | | Nematoda |
| Aquatic Earthworms | | 1 | 1 | 2 | | 1 | Oligochaeta |
| Leeches | 1 | | | 1 | 1 | 2 | Hirudinaea |
| Sow Bugs | 15 | 44 | 38 | 202 | 211 | 387 | Isopoda |
| Clams | | | | 5 | 1 | | Pelecypoda |
| Fairy Shrimp | 16 | 22 | 11 | 19 | 45 | 6 | Amphipoda |
| Crayfish | | | | 1 | | | Decapoda |
| Mites | 34 | 34 | 24 | | | | Hydracarina |
| Mayflies | | | 2 | 2 | | | Ephemeroptera |
| Dragonflies | | 1 | | 2 | 3 | 6 | Anisoptera |
| Damselflies | 9 | 1 | 8 | 1 | | 2 | Zygoptera |
| Stoneflies | | | | | | | Plecoptera |
| True Bugs | | 1 | | 3 | | | Hemiptera |
| Fishflies & Alderflies | 1 | 1 | | 7 | 7 | 3 | Megaloptera |
| Caddisflies | | | 2 | 7 | 2 | | Trichoptera |
| Aquatic Moths | | | | | | | Lepidoptera |
| Beetles | | | | 1 | 1 | 1 | Coleoptera |
| Snails & Limpets | | | | 4 | 4 | 1 | Gastropoda |
| Midges | 7 | 9 | 15 | 10 | 7 | 4 | Chironomidae |
| Horse & Deer Flies | | | 1 | | | 1 | Tabanidae |
| Mosquitos | | | | | | | Culicidae |
| No-see-ums | | | | | | | Ceratopogonidae |
| Craneflies | 5 | 6 | 4 | | | | Tipulidae |
| Blackflies | | | | | | | Simuliidae |
| Misc. True Flies | | 1 | | 1 | | | Misc. Diptera |
| Total Count | 95 | 123 | 110 | 268 | 282 | 414 | |
| Number of Taxa | 6 | 8 | 8 | 16 | 10 | 11 | |
| | | | | | | | Muskoka Average * |
| Richness | | 16 | | | 17 | | 13 |
| % EOT | | 7 | | | 3 | | 26 |
| % Chironimids | | 10 | | | 2 | | 12 |
| % Predators | | 35 | | | 4 | | 24 |
| % Shredders | | 5 | | | 1 | | 2 |
| % Collectors/Gatherers | | 62 | | | 93 | | 69 |
| Hilsenhoff Index | | 7.04 | | | 7.65 | | 5.99 |

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.