

## Aquatic Invertebrate Data Sheet

### Mary Lake Town of Huntsville

| Common Name                   | Site 3 <sup>R</sup> |      |     |      |      |     | Scientific Name          |
|-------------------------------|---------------------|------|-----|------|------|-----|--------------------------|
|                               | 2014                |      |     | 2016 |      |     |                          |
|                               | 1                   | 2    | 3   | 1    | 2    | 3   |                          |
| Hydras                        |                     |      |     |      |      |     | Coelenterata             |
| Flatworms                     |                     |      |     |      |      |     | Turbellaria              |
| Roundworms                    |                     | 1    |     |      |      |     | Nematoda                 |
| Aquatic Earthworms            |                     |      |     | 10   | 2    | 9   | Oligochaeta              |
| Leeches                       |                     |      | 2   | 1    |      |     | Hirudinaea               |
| Sow Bugs                      | 40                  | 16   | 24  | 33   | 51   | 15  | Isopoda                  |
| Clams                         | 17                  | 2    | 1   | 31   | 23   | 7   | Pelecypoda               |
| Fairy Shrimp                  | 18                  | 85   | 127 | 33   | 84   | 113 | Amphipoda                |
| Crayfish                      |                     |      |     |      |      |     | Decapoda                 |
| Mites                         |                     |      |     | 2    | 10   | 3   | Hydracarina              |
| Mayflies                      | 2                   | 7    | 9   |      |      | 2   | Ephemeroptera            |
| Dragonflies                   | 10                  | 2    |     | 1    |      |     | Anisoptera               |
| Damselflies                   |                     |      |     |      | 1    |     | Zygoptera                |
| Stoneflies                    |                     |      |     |      |      |     | Plecoptera               |
| True Bugs                     |                     |      |     |      |      |     | Hemiptera                |
| Fishflies & Alderflies        | 2                   | 2    | 3   | 2    | 1    | 1   | Megaloptera              |
| Caddisflies                   | 3                   | 2    |     |      |      | 2   | Trichoptera              |
| Aquatic Moths                 |                     |      |     |      |      |     | Lepidoptera              |
| Beetles                       |                     |      |     |      | 1    |     | Coleoptera               |
| Snails & Limpets              | 2                   |      | 3   | 12   | 8    | 6   | Gastropoda               |
| Midges                        | 62                  | 13   | 21  | 65   | 7    | 15  | Chironomidae             |
| Horse & Deer Flies            |                     |      |     | 1    |      |     | Tabanidae                |
| Mosquitos                     |                     |      |     |      |      |     | Culicidae                |
| No-see-ums                    |                     |      |     | 3    |      |     | Ceratopogonidae          |
| Craneflies                    |                     |      |     |      |      |     | Tipulidae                |
| Blackflies                    |                     |      |     |      |      |     | Simuliidae               |
| Misc. True Flies              | 2                   |      |     |      |      |     | Misc. Diptera            |
| <b>Total Count</b>            | 158                 | 130  | 190 | 194  | 188  | 173 |                          |
| <b>Number of Taxa</b>         | 10                  | 9    | 8   | 12   | 10   | 10  |                          |
|                               |                     |      |     |      |      |     | <b>Muskoka Average *</b> |
| <b>Richness</b>               |                     | 12   |     |      | 16   |     | <b>14</b>                |
| <b>% EOT</b>                  |                     | 8    |     |      | 1    |     | <b>22</b>                |
| <b>% Chironimids</b>          |                     | 20   |     |      | 16   |     | <b>12</b>                |
| <b>% Predators</b>            |                     | 4    |     |      | 5    |     | <b>23</b>                |
| <b>% Shredders</b>            |                     | 1    |     |      | 0    |     | <b>3</b>                 |
| <b>% Collectors/Gatherers</b> |                     | 90   |     |      | 79   |     | <b>70</b>                |
| <b>Hilsenhoff Index</b>       |                     | 6.52 |     |      | 6.83 |     | <b>6.10</b>              |

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.