**Table S1.** Number of individuals of the different invertebrate taxa sampled across sites (columns).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Taxon (Higher taxon) | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |
| Hydracarina (Acari) |  |  |  |  |  |  |  |  | 4 |  | 6 |  | 2 |  |  |  |
| Sphaeriidae (Bivalvia) |  |  | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lumbricidae (Annelida) |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  | 20 | 1 |
| Oligochaeta (Annelida) |  | 3 |  |  | 4 | 11 |  |  | 6 | 3 |  |  | 1 | 14 | 15 | 7 |
| *Asellus aquaticus* (Isopoda) |  |  | 2 |  |  |  |  |  |  |  | 2 |  |  |  |  |  |
| *Gyraulus* (Planorbidae) |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| Dysticidae (Coleoptera) |  |  |  | 5 | 1 | 1 | 2 | 4 |  | 2 |  | 2 |  | 1 |  | 2 |
| Gyrinidae (Coleoptera) |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |
| Hydrophiliae (Coleoptera) |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |
| Scirtidae (Coleoptera) |  |  |  |  |  |  |  |  |  |  | 3 | 6 |  | 1 |  | 1 |
| Dryopidae (Coleoptera) |  |  |  |  |  |  |  |  | 1 | 1 |  |  |  |  |  |  |
| Haliplidae (Coleoptera) | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Oulimnius* (Coleoptera: Elmidae) |  |  |  |  |  |  |  |  |  |  | 1 | 1 |  |  |  |  |
| *Limnius volckmari* (Col: Emlidae) |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |
| Chrysomelidae (Coleoptera) |  |  | 1 |  |  |  |  |  |  |  | 5 | 2 |  |  |  |  |
| Tipulidae (Diptera) |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |
| Limoniidae (Diptera) |  |  |  |  |  |  |  |  |  | 5 |  |  |  |  | 2 |  |
| Pediciidae (Diptera) |  |  |  |  |  | 1 |  | 1 |  | 2 | 1 | 1 | 1 | 2 | 6 |  |
| Simuliidae (Diptera) | 3 | 14 | 2 |  |  |  |  |  |  | 12 | 33 | 19 | 27 | 2 | 6 | 6 |
| Chironomidae (Diptera) | 169 | 6 | 55 | 261 | 54 | 94 | 192 | 69 | 42 | 45 | 80 | 24 | 38 | 16 | 65 | 42 |
| Empididae (Diptera) |  |  |  |  |  |  |  |  |  |  |  |  | 15 |  |  |  |
| Athericidae (Diptera) |  |  |  |  |  |  |  |  |  | 2 |  |  |  | 2 |  |  |
| Ceratopogonidae (Diptera) |  |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Psychodidae (Diptera) |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |
| *Siphlonurus lacustris* (Eph: Siphlonuridae) |  | 1 |  |  |  |  |  |  |  | 45 | 3 | 2 |  |  | 14 | 3 |
| *Ecdyonurus torentis* (Eph: Heptageniidae) |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |
| *Paraleptophlebia* (Eph: Leptophlebiidae) |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |
| *Habrophlebia fusca* (Eph: Leptophlebiidae) |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |  |  |
| *Serratella ignita* (Eph: Ephemerellidae) |  |  |  |  |  |  |  |  | 2 |  |  | 9 |  |  |  | 4 |
| *Baetis* (Ephemeroptera: Baetidae) |  | 5 |  |  |  |  |  |  |  | 35 |  | 7 | 1 |  |  | 57 |
| *Callicorixa praeusta* (Hemiptera: Corixidae) |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| *Cymatia coleoptrata* (Hemiptera: Corixidae) |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| Sialidae (Megaloptera) |  |  |  |  |  |  |  |  |  | 13 | 1 |  | 5 | 7 |  | 1 |
| *Cordulegaster boltonii* (Odonata) | 8 |  | 1 | 5 | 3 | 4 | 3 |  | 2 | 19 |  |  | 8 |  |  |  |
| *Sympetrum sanguineum* (Odonata) |  |  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ischnura elegans* (Odonata) | 4 |  | 4 | 3 |  | 5 | 1 |  | 1 | 1 |  |  |  |  |  |  |
| Leuctridae (Plecoptera) |  | 231 | 1 | 4 |  | 5 | 7 | 1 | 20 | 17 | 14 | 21 | 23 | 22 | 47 | 32 |
| *Isoperla grammatica* (Plecoptera: Perlodidae |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  | 1 |
| *Chloroperla (=Siphonoperla) torrentium* (Plec: Chloroperlidae) |  |  |  |  |  |  |  |  |  |  | 4 |  |  |  |  |  |
| *Nemurella picteta* (Pleoptera: Nemouridae) |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Amphinemura sulcicollis* (Plec: Nemouridae) |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Nemoura cambrica* (Plecoptera: Nemouridae) |  |  | 2 |  |  |  |  |  | 8 | 2 | 1 | 1 |  | 1 |  |  |
| *Odontocerum albicorne* (Trichoptera: Odonotoceridae) |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  | 3 |
| *Sericostoma personatum* (Trichoptera: Sericostomatidae) |  |  |  |  |  |  |  |  |  |  |  |  |  | 8 |  |  |
| *Rhyacophila dorsalis* (Trichoptera: Rhyacophilidae) |  |  |  |  |  |  |  |  |  | 1 |  | 3 |  | 1 |  | 2 |
| *Rhyacophila septentrionis (=fasciata)* (Trich: Rhyacophil.) |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |
| *Plectrocnemia conspersa* (Trich: Polycentropodidae) |  | 17 | 1 | 1 | 6 |  | 19 | 8 | 21 | 4 | 5 | 2 | 11 |  | 5 | 2 |
| *Plectrocnemia geniculate* (Trich: Polycentropodidae) |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Limnephilidae (Trichoptera) | 1 | 2 |  |  |  | 1 | 2 |  | 1 | 5 | 1 | 2 | 1 | 8 |  | 7 |
| Diptera pupae, unidentified | 26 | 4 | 2 | 12 |  | 3 | 15 | 1 | 2 | 2 | 1 | 1 | 4 |  | 1 | 3 |