

SHORT HILLS PROVINCIAL PARK

One Malaise trap was deployed at Short Hills Provincial Park in 2014 (43.11288, -79.27376, 94m ASL; Figure 1). This trap collected arthropods for twenty weeks from April 28 – September 15, 2014. All 10 Malaise trap samples were processed; every other sample was analyzed using the individual specimen protocol while the second half was analyzed via bulk analysis. A total of 2453 BINs were obtained.

Approximately half of the BINs captured were flies (Diptera), followed by bees, ants and wasps (Hymenoptera), moths and butterflies (Lepidoptera), and true bugs (Hemiptera; Figure 2). In total, 712 arthropod species were named, representing 31.9% of the BINs from the site (Appendix 1). All the BINs were assigned at least to family, and 66.3% were assigned to a genus (Appendix 2). Specimens collected from Short Hills represent 231 different families and 810 genera.



Figure 1. Malaise trap deployed at Short Hills Provincial Park in 2014.

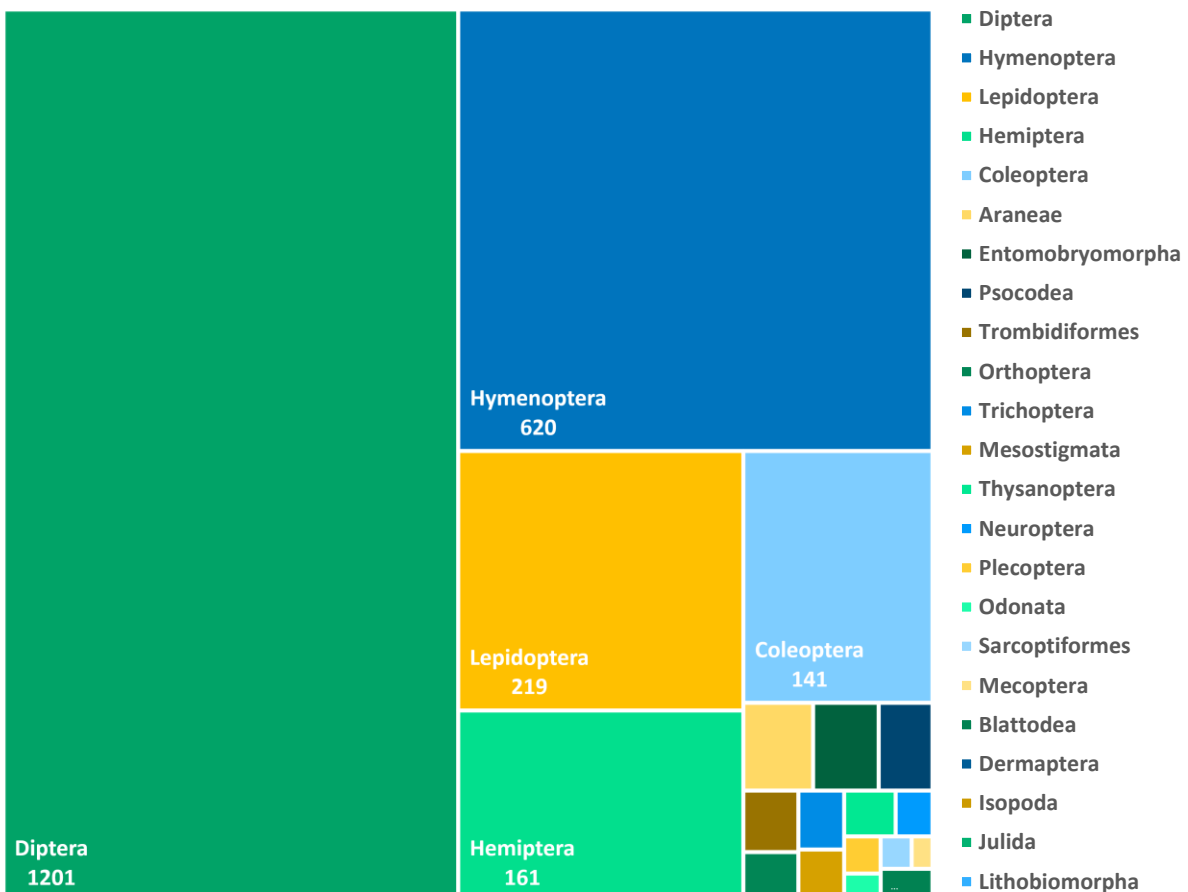


Figure 2. Taxonomy breakdown of BINs captured in the Malaise trap at Short Hills.