

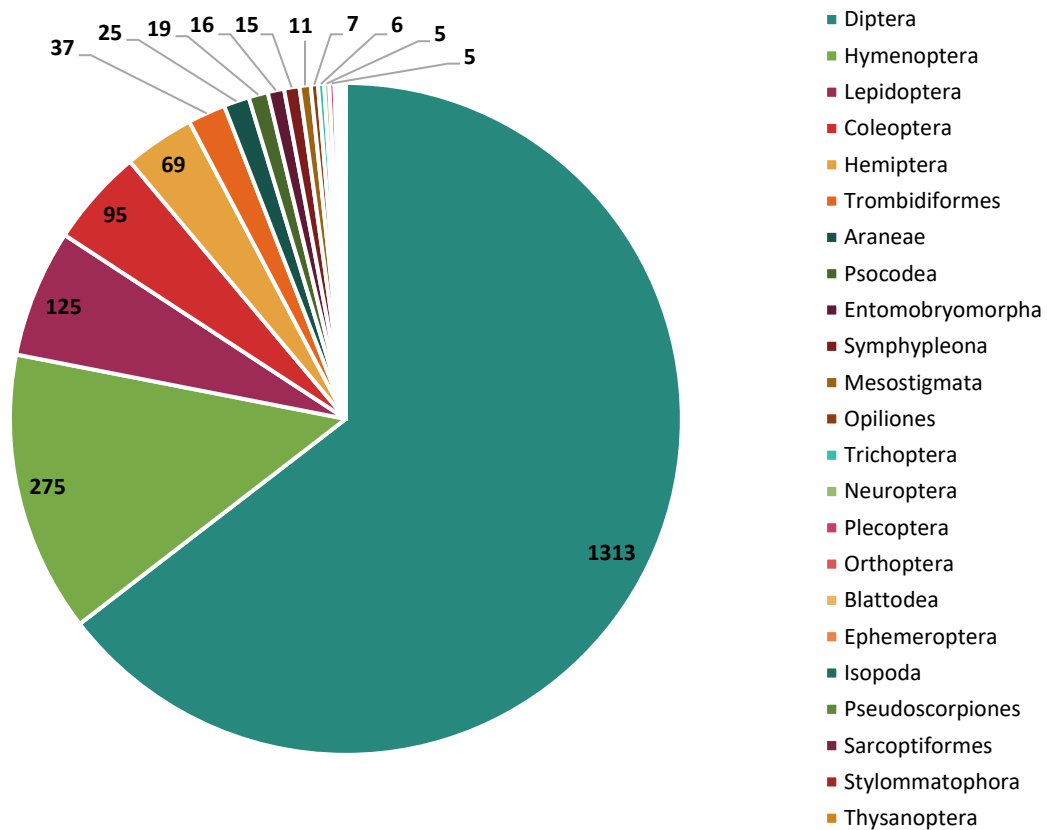
# TERRESTRIAL ARTHROPOD MONITORING PROGRAM

## METABARCODING REPORT – TURKEY LAKES

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### Results

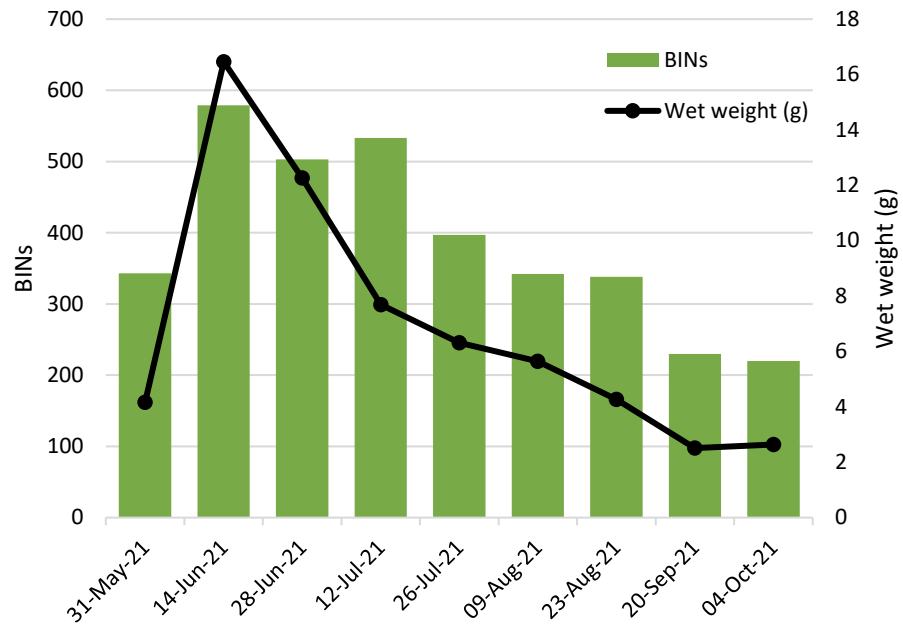
A total of 2,034 different BINs (Barcode Index Numbers; a proxy for species) were encountered at Turkey Lakes. Over half the BINs captured were flies (Diptera), followed by bees, ants and wasps (Hymenoptera), moths and butterflies (Lepidoptera), and beetles (Coleoptera; Figure 1).



**Figure 1.** Taxonomic breakdown of BINs captured in the Malaise trap at Turkey Lakes.

Species diversity and insect abundance varied throughout the collecting period; the period that captured the most BINs was also the largest sample collected (Figure 2). The peak of species diversity was obtained towards the middle of June.

In total, 425 species were named, representing 22% of the BINs. All but two BINs were assigned at least to family and 56% of the BINs were assigned to a genus. Specimens collected from this site represent 207 different families and 558 genera. A complete species list is attached separately.



**Figure 2.** Species diversity (measured by BINs) and approximate insect abundance (measured by wet weight of sample) captured at the trap over the 2021 collecting period.