

CHARLESTON LAKE PROVINCIAL PARK

One Malaise trap was deployed at Charleston Lake Provincial Park in 2014 (44.49798, -76.0414, 93m ASL; Figure 1). This trap collected arthropods for twenty weeks from May 8 – September 25, 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 2890 BINs were obtained.

Over half 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, 615 arthropod species were named, representing 23.5% of the BINs from the site (Appendix 1). All but 1 of the BINs were assigned at least to family, and 56.7% were assigned to a genus (Appendix 2). Specimens collected from Charleston Lake represent 216 different families and 721 genera.



Figure 1. Malaise trap deployed at the Charleston Lake Provincial Park in 2014.

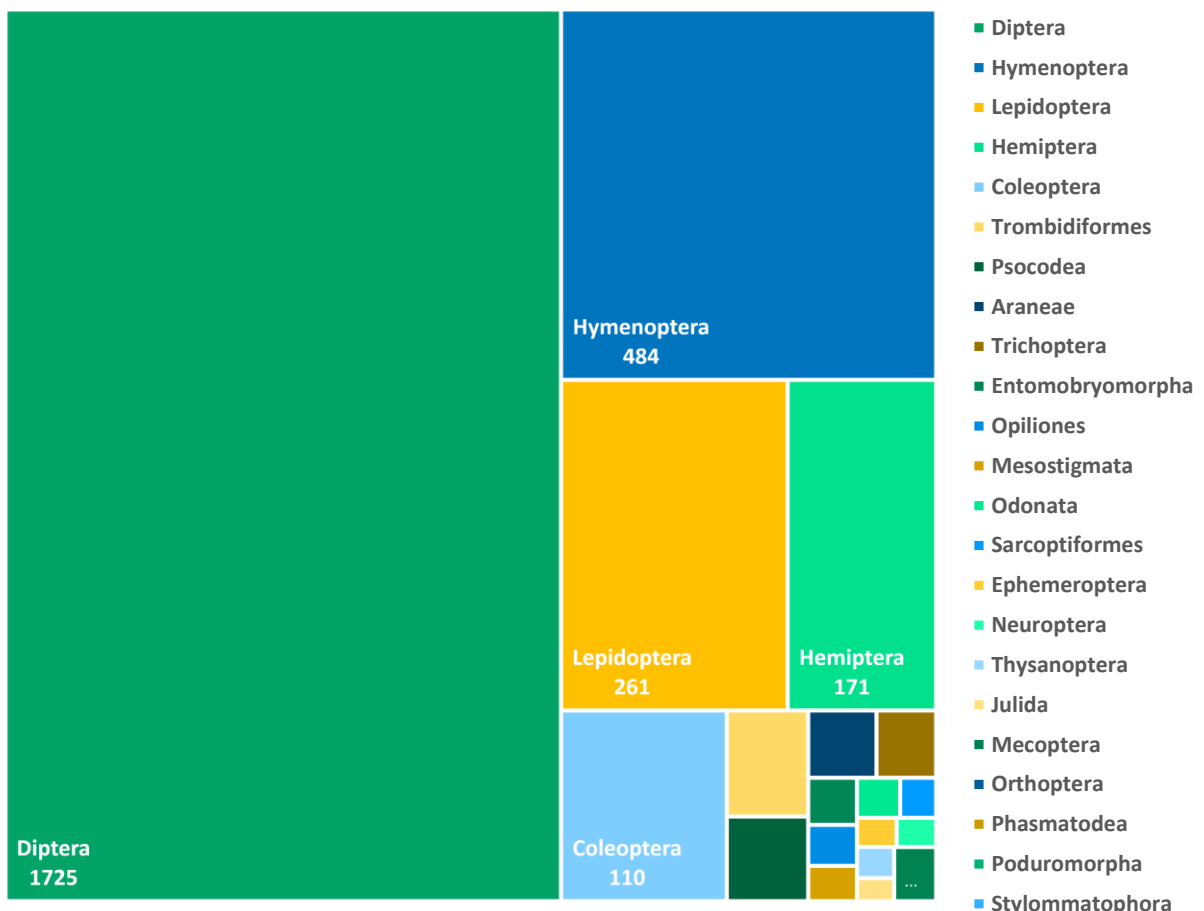


Figure 2. Taxonomy breakdown of BINs captured in the Malaise trap at Charleston Lake.