

# Norfolk County Mosquito Control District Weekly Report

Epi Week 23 (May 31 – June 5)

Report prepared by Kaitlyn O'Donnell

## Pools submitted:

<i>Species code</i>	CAN	MEL	PRE
<i>Number of pools</i>	2	6	4
<i>Total specimens</i>	100	224	72

## Mosquito Activity:

The most abundant species collected this week was *Oc. canadensis*, making up 72% of the total collection, followed by *Oc. abserratus*. *Oc. canadensis* and *Oc. abserratus* numbers were higher this year than epi week 23 in 2019. *Cs. melanura*, *Cx. pipiens/restuans*, *Oc. excrucians*, and *Oc. sticticus* adults made up the majority of the rest of the collection. The abundance of these species in traps was lower this year than in 2019. Total mosquito collections were up 50% compared to epi week 23 in 2019. Previously, CO<sub>2</sub> regulators were factory set to a flow rate of 250cc, but flow rates were inconsistent in the field. However, this year we calibrated all regulators to a flow rate of 500cc. A pre-season comparison of flow rates for CDC traps was done to determine differences in trap catch. Comparisons were inconsistent across sites, but we found an average overall increase of 32% in total catch when using a 500cc regulator.