

Norfolk County Mosquito Control District Weekly Report

Epi Week 32 (August 7 – August 14)

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Pools submitted:

<i>Species code</i>	PER	PRE	SAL
<i>Number of pools</i>	1	39	1
<i>Number of individuals</i>	50	1904	31

Mosquito Activity:

Mosquito activity remained relatively consistent from Epi week 31 to Epi week 32, with the most common mosquito species once again being *Culex pipiens/restuans*, though numbers of *Cx. pipiens/restuans* decreased by 11% from Epi week 31 to 32. Numbers of *Cq. perturbans* remained lower compared to earlier season numbers, but did increase by 22% from the previous Epi week. We observed an increase in *Anopheles spp.* as well as in *Culex salinarius* at certain sites. We also trapped very low numbers of *Cs. melanura* and *Cs. morsitans*. Though numbers have been relatively low throughout the season, there was a decrease in saltmarsh species from Epi week 31 to 32. Gravid traps have become increasingly productive throughout the season, as CDC collections have decreased. Gravid trap catch made up 59% of the collections this week and consisted of *Cx. pipiens/restuans*, *Ae. japonicus*, *Oc. triseriatus*, *Cx. territans*, and *Anopheles spp.*

Weather Summary:

Temperatures were near normal to start the week, then well above normal to end the week.

Fairly widespread precipitation occurred on Wednesday but amounts were generally light, at under a half inch District wide. The remainder of the week featured scattered showers and thunderstorms that produced locally up to an inch of rain, while other areas received under a quarter inch. In summary, District-wide rainfall this week ranged from just under a half inch in the Norwood-Westwood area, close to an inch in local parts of Braintree, Weymouth, and Holbrook, to up to 1.5 inches in extreme southern Bellingham.

Total weekly rainfall:	0.40 inches
Total Monthly rainfall:	0.54 inches
Total Yearly rainfall:	18.87 inches

Requests for service:*Check water requests*

To date	523
Epi week 32	0

ULV requests

To date	4967
Epi week 32	293

Control Response/Intervention:

The NCMCD continues to apply larvicide to catch basins in the more urban communities of the District to control *Culex* spp., as well as applying ULV aerosol for adult control in response to resident requests. Ground larviciding requests remain suspended due to dry conditions across the District and the lack of larvae in any remaining wet areas. Where some residents are routinely requesting ULV applications, we have set supplemental CDC traps to verify that a genuine mosquito problem exists.

Outreach:

NCMCD's entomologist, Kaitlyn O'Donnell, will be recording a program on mosquito control for Cable 8 in Bellingham on August 17, 2016.