

# Norfolk County Mosquito Control District Weekly Report

## Epi Week 25 (June 19-June 25)

Report prepared by Kaitlyn O'Donnell, Nate Boonisar, and Dave Lawson

### Pools submitted:

<i>Species code</i>	CAN	MEL	PER	PRE	SAL	TAE
<i>Number of pools</i>	8	2	19	16	2	1
<i>Total specimens</i>	332	30	870	524	100	22

### Mosquito Activity:

The number of *Cq. perturbans* in CDC CO<sup>2</sup> baited traps continues to increase this week, while *Och. canadensis* numbers have decreased from Epi week 24. Saltmarsh and brackish water mosquitoes have emerged along the coast. We have collected *Och. sollicitans*, *Och. taeniorhynchus*, and *Cx. salinarius* in Quincy and there is a thriving pocket of saltmarsh mosquitoes in the inland town of Holbrook due to an inadvertently man-made salt pond at a local DPW. We continue to catch *Och. excrucians* in CDC traps, but numbers of this species have decreased drastically from the previous two Epi weeks. Numbers of *Och. aurifer* are gradually decreasing, while *Ae. cinereus* numbers are on the rise in CDC trap collections.

CDC traps in Canton and Franklin were the source of 65% of *Cx. pipiens/restuans* submissions, with the remaining 35% coming from Gravid traps. *Och. japonicus* and *Och. triseriatus* were the second most abundant groups in Gravid trap collections. The two submitted *Cs. melanura* pools were collected from Dover and a new site in Randolph. Low numbers of this species continue to be collected at sites near cedar swamps, such as Walpole and Sharon.

### Weather report:

Temperatures were near normal at the start, then below normal towards the end of the week due to cool nighttime lows.

There were two precipitation events this week. The first was early Tuesday morning when a cluster of thunderstorms moved across the District. The second was lighter showers during the afternoon on Wednesday. Total rain for the week ranged from a tenth to a half inch, with the highest amounts in the southern tier of the District. This month has been quite dry with precipitation amounts at 25-50% of normal. Yearly precipitation has also been low at 75-90% of normal.

Total weekly rainfall: 0.64 inches  
Total Monthly rainfall (July): 1.58 inches  
Total Yearly rainfall: 16.30 inches

**Requests for service:**

*Check water requests*

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To date	521
Epi week 25	16

*ULV requests*

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To date	2,782
Epi week 25	470

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**Control Response/Intervention:**

The District is conducting ULV applications in response to requests from residents. Despite high demand in the first 2 weeks of spraying in June, the calls have now diminished, likely due to the very dry weather which is causing mortality and a lack of new mosquito hatch from wetlands with little or no standing water. The field crew began treating catch basins this last week. Ground larviciding has been suspended until future potential rain events due to the lack of standing water and the lack of any larvae in the scant water around.

**Outreach:**

NCMCD will have an informational booth at the Randolph farmers market on Wednesday, June 29 and NCMCD director Dave Lawson gave a talk on mosquitoes and mosquito control in Sharon during Epi week 24. Other recent outreach events include participation in Foxborough's Founder's Day and a talk on mosquitoes at the Braintree Senior Center by Kaitlyn O'Donnell earlier in June.