

Norfolk County Mosquito Control District Weekly Report

Epi Week 25 (June 18-June 24)

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

Pools submitted:

<i>Species code</i>	CAN	MEL	PER	PRE
<i>Number of pools</i>	5	1	1	5
<i>Total specimens</i>	211	32	50	166

Mosquito Activity:

CDC traps were very productive this week, with an emergence of *Cq. perturbans* at multiple sites and high numbers of *Oc. canadensis* continuing in the majority of trap locations. The total number of *Oc. aurifer* in traps decreased by 53% this week, while *Oc. vexans* numbers are steadily increasing, though still at low numbers throughout the county. There was a large emergence of *Ps. ferox* at one site along the Neponset River. *Cs. melanura* numbers remain consistent and are higher than in previous years. The total number of *Cx. pipiens/restuans* complex across all traps increased 63% from last week, with 75% of the total found in CDC traps. The number of *Cx. pipiens/restuans* complex mosquitoes in gravid traps remained consistent from Epi week 24 to Epi week 25. Gravid traps remain relatively unproductive compared to this time last year; however, there was a slight increase in *Oc. japonicus* and *An. punctipennis* this week.

Weather Report:

Temperatures this week averaged above normal with high humidity for much of the week.

Two episodes of rain occurred this week. Some early showers moved across giving generally a tenth to a quarter inch of rain across the District, with locally higher amounts up to a half inch across eastern sections. The second occurred Saturday morning affecting mainly southern areas with up to a half inch of rain.

Selected weekly rainfall (CoCoRaHS):

Bellingham Total Week: 0.65"

Total Month: 4.97"

Foxborough: Total Week: 0.84"

Total Month: 4.75"

Needham Total Week: 0.19"

Total Month: 4.51"

Norwood: Total Week: 0.24"

Total Month: 5.28"

Stoughton: Total Week: 0.87"

Total Month: 5.88"

Weymouth: Total Week: 0.63"

Total Month: 4.74"

*CoCoRaHS = Community Collaborative Rain, Snow, and Hail network

Requests for service:

Check water requests

To date	407
Epi week 24	3

ULV requests

To date	2,753
Epi week 24	566

Control Response/Intervention:

The District is primarily focused on ULV applications in response to requests from residents. We continue to treat catch basins and a few larvicide requests.

Outreach:

Norfolk County Mosquito Control District will have an informational booth at the Powers Farm farmers' market in Randolph on June 28.