

**Central Mass. Mosquito Control Project
Weekly Report- 7/1/18-7/7/18
EPI Week #27**

Cumulative Surveillance Summary

Target Species	<i>Ae. vex</i>	<i>Cq. per</i>	<i>Cs. mel</i>	<i>Oc. can</i>	<i>Culex</i>	All Species
No. Pools	13	184	40	113	437	1448
Total Specimens	33	15515	76	1879	13191	33332
No. Pools WNV +	0	0	0	0	3 [†]	3 [†]
No. Pools EEE +	0	0	0	0	0	0

[†]Pool of WNV+ *Culex* species collected in Hopedale on 6/20/18

[†]Pool of WNV+ *Culex* species collected in Worcester on 6/28/18

[†]Pool of WNV+ *Culex* species collected in Auburn on 6/29/18

Weather Summary (Northborough, MA): The weather for this particular week averaged 79.1°F with a recorded high temperature of 97.3F and a recorded low temperature of only 52.3°F. For this week there was also a total of 0.23 inches of rain observed. Compared to the previous week, it was approximately 8.76°F warmer on average, and rained about 2.47 inches less. There has been 0.23 inches of rain accumulated in July, after 3.60 inches for the month of June.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Culex</i> Species	+104.5%	+361.9%	Billerica, Blackstone, Worcester
All Species	+98.23%	+179.8%	Billerica, Blackstone, Worcester

The predominant mosquito for the week was *Culex* species.

General Narrative: The temperatures for EPI week 27 averaged approximately 8.76 degrees warmer than the previous week, with only 0.23 inches of precipitation observed. The primary surveillance traps deployed this week were gravid traps. The most abundant mosquito was *Culex* species, showing a significant increase from the previous week, as well as last season. Two additional WNV+ positive pools from Worcester and Auburn were collected in EPI week 27, both containing *Culex* mosquitoes. These represent the second and third WNV positive collections from the CMMCP service area this season.