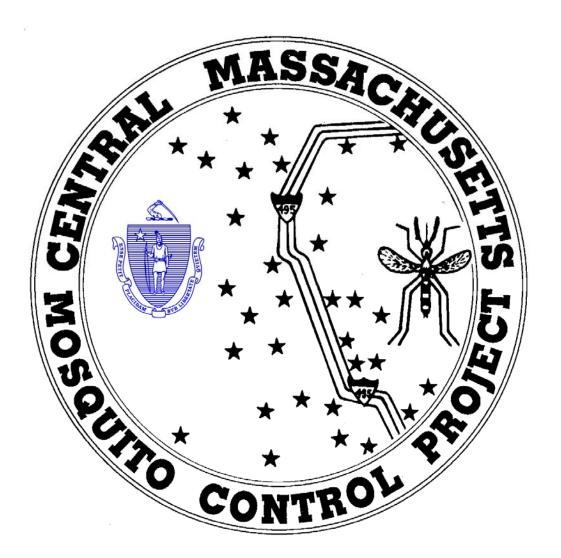
CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #30 July 21-27, 2019

Frank Cornine, Staff Biologist
Curtis Best, Staff Entomologist
David Mullins, Field Biologist
Tim McGlinchy, Director of Operations
Tim Deschamps, Executive Director

Central Mass. Mosquito Control Project Weekly Report- 7/21/19-7/27/19 EPI Week #30

Cumulative Surveillance Summary

Target Species	Ae. vex	Cq. per	Cs. mel	Oc. can	Culex	All Species
No. Pools	78	522	158	225	539	2,696
Total Specimens	375	96,365	967	4,185	7,918	114,445
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

Weather Summary (Northborough, MA): The weather for this particular week averaged 73.19°F with a recorded high temperature of 94.60°F and a recorded low temperature of 56.80°F. For this week there was a total of 1.68 inches of rain observed. Compared to the previous week, it was approximately 3.68°F cooler on average, and rained 1.06 inches more. There has been 4.99 inches of rain accumulated in July, after 3.04 inches for the month of June.

CMMCP Mosquito Summary-

Target Species	Δ From	Δ From	Predominant Trap Site(s)	
·	Last Week	Last Year		
Aedes vexans	+90.00%	+112.4%	Hudson, Tewksbury	
Coquillettidia perturbans	-40.89%	+218.3%	Millbury, Boxborough	
Culiseta melanura	+31.71%	+554.1%	Hopkinton, Tewksbury	
Ochlerotatus canadensis	-59.46%	+130.7%	Gardner, Millville	
Culex Species	+6.800%	-67.63%	Tewksbury, Gardner	
All Species	-36.64%	+87.60%	Millbury, Boxborough	

The predominant mosquito for the week was *Coquillettidia perturbans*, followed by *Culex*.

General narrative: The temperatures for EPI week 30 averaged approximately 3.68°F cooler than the previous week, with 1.68 inches of precipitation observed. *Aedes vexans, Culiseta melanura*, and *Culex* experienced increases this week, while *Coquillettidia perturbans* and *Ochlerotatus canadensis* decreased. *Coquillettidia perturbans* was once again the most abundant mosquito species for the week, followed by *Culex*. With the observed reduction of *Coquillettidia perturbans*, this species may have peaked for the season. All target species have all been collected in higher numbers this year compared to last, except for *Culex*. There have been zero mosquito pools from the CMMCP service area that have tested positive for mosquito-borne disease. Thirty-five egg papers, containing 1,946 eggs, were collected for Aedes albopictus surveillance during EPI week 30. No confirmations of *Ae. albopictus* have been identified in 2019 to date.

Service requests are 57.1% greater than the 16 year average (8,220 vs. 12,920) but 10% lower than 2018 numbers (12,920 vs. 14,223). Service requests decreased 10.6% from Epi week 29 to 30 (779 vs. 704). 792 service requests were closed out in EPI week 30; 11,700 have been closed to date from a total of 12,862 received (9.9% open). Work crews have been performing catch basins treatments in all member communities for *Culex* control. 8,668 catch basins were treated in Epi week 30, bringing the total for the year to 84,379.

Aedes albopictus Surveillance Data

	# Ovitraps	# Eggs
EPI Week #22	31	4
EPI Week #23	21	221
EPI Week #24	33	530
EPI Week #25	37	1294
EPI Week #26	37	1100
EPI Week #27	-	-
EPI Week #28	35	3527
EPI Week #29	35	1481
EPI Week #30	35	1946



