

Central Mass. Mosquito Control Project

2008 SEASON SUMMARY

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	221	441	282	230	719	3660
Total Specimens	2774	15630	1613	1602	12269	40183
No. Pools WNV +	0	0	1*	0	9*	10*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Shrewsbury on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Berlin on 9/10/08

*Pool of WNV+ *Culiseta melanura* collected in Berlin on 9/10/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Hopkinton on 9/12/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Hudson on 9/19/08

Cumulative Surveillance Summary – Bird/Mammal/Other

Species	Date	Town	County	Virus
Crow	8/5/08	Natick	Middlesex	WNV
Blue Jay	8/6/08	Dracut	Middlesex	WNV
Crow	8/13/08	Auburn	Worcester	WNV
Crow	9/8/08	Chelmsford	Middlesex	WNV
Crow	9/11/08	Tewksbury	Middlesex	WNV
Crow	9/15/08	Blackstone	Worcester	WNV

Weather Summary (Northborough, MA): This mosquito season was remarkably wet, showing a complete turnaround from the previous year's drought like conditions. Monthly rain totals were as follows (CMMCP totals): May, 2.18" (1.98"); June, 4.24" (3.61"); July, 6.72" (6.72"); August 4.08" (3.04"); September, 8.27" (7.92"). NOTE: June and July saw varying rainfall total statewide, some higher than the listed amounts.

CMMCP Mosquito Summary-

Target Species Δ From Last Predominant Trap Sites
Year's Final Totals

<i>Aedes vexans</i>	+723.2%	Westborough, Dracut
<i>Coquilleltidia perturbans</i>	-21.95%	Westborough, Boxborough, Stow
<i>Culiseta melanura</i>	+33.97%	Holliston, Boxborough
<i>Ochlerotatus canadensis</i>	+46.57%	Chelmsford, Millbury
<i>Culex</i> Species	+56.33%	Hopedale, Clinton, Stow
All Species	+16.10%	Westborough, Stow, Dracut, Boxborough

The predominant mosquito species for the 2008 surveillance season was *Coquilleltidia perturbans* with approximately 39% of the total specimens collected. *Aedes vexans* populations spiked in may areas along with other floodwater species with the tremendous amounts of rain received, especially in September. *Culex spp.* populations were also higher than average, and we recorded a record number (8) of positive WNV in these species this year. 854 pools of mosquitoes comprising 17,433 mosquitoes were sent into Jamaica Plain for testing.

Requests for service, especially adulticiding, showed a 6.2% increase over 2007 with a total of 9,966 calls. All requests for service this year totaled 10,650.

Submitted: 29-Oct-08

Frank Cornine, *Field Biologist*
Tim Deschamps, *Executive Director*

Central Mass. Mosquito Control Project

Weekly Report- 9/28/08-10/4/08

MMWR Epi Week #40

Cumulative Surveillance Summary - Mosquito

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	221	441	282	230	719	3660
Total Specimens	2774	15630	1613	1602	12269	40183
No. Pools WNV +	0	0	1*	0	8*	9*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Shrewsbury on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Berlin on 9/10/08

*Pool of WNV+ *Culiseta melanura* collected in Berlin on 9/10/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Hudson on 9/19/08

Cumulative Surveillance Summary – Bird/Mammal/Other

Species	Date	Town	County	Virus
Crow	8/5/08	Natick	Middlesex	WNV
Blue Jay	8/6/08	Dracut	Middlesex	WNV
Crow	8/13/08	Auburn	Worcester	WNV
Crow	9/8/08	Chelmsford	Middlesex	WNV
Crow	9/11/08	Tewksbury	Middlesex	WNV
Crow	9/15/08	Blackstone	Worcester	WNV

Weather Summary (Northborough, MA): The weather for this particular week averaged only 58.67°F with a recorded high temperature of 73.2°F and a recorded low temperature of only 38.0°F. For this week there was also a total of only .5 inches of rain observed. Compared to the previous week, it was approximately 1.54°F warmer on average, and rained 1.64 inches less. After this week, the rainfall for the month of September has totaled 7.92 inches, while the month of August finished with 4.08 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
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<i>Aedes vexans</i>	+1806%	N/A	Westborough, Dracut
<i>Coquilleltidia perturbans</i>	+5.26%	N/A	Tewksbury
<i>Culiseta melanura</i>	+367.7%	N/A	Holliston, Boxborough
<i>Ochlerotatus canadensis</i>	+984.6%	N/A	Westborough
<i>Culex</i> Species	-55.00%	N/A	Hopedale
All Species	+462.7%	N/A	Westborough, Dracut

The predominant mosquito species for the week was *Aedes vexans*

Compiled by **Frank Cornine**, CMMCP Field Biologist

Central Mass. Mosquito Control Project
Weekly Report- 9/21/08-9/27/08
MMWR Epi Week #39

Cumulative Surveillance Summary - Mosquito

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	189	426	250	222	692	3420
Total Specimens	1077	15610	1323	1461	12179	37133
No. Pools WNV +	0	0	1*	0	8*	9*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Shrewsbury on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Berlin on 9/10/08

*Pool of WNV+ *Culiseta melanura* collected in Berlin on 9/10/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Hudson on 9/19/08

Cumulative Surveillance Summary – Bird/Mammal/Other

Species	Date	Town	County	Virus
Crow	8/5/08	Natick	Middlesex	WNV
Blue Jay	8/6/08	Dracut	Middlesex	WNV
Crow	8/13/08	Auburn	Worcester	WNV
Crow	9/8/08	Chelmsford	Middlesex	WNV
Crow	9/11/08	Tewksbury	Middlesex	WNV
Crow	9/15/08	Blackstone	Worcester	WNV

Weather Summary (Northborough, MA): The weather for this particular week averaged only 57.13°F with a recorded high temperature of 80.9°F and a recorded low temperature of only 40.6°F. For this week there was also a total of 2.14 inches of rain observed. Compared to the previous week, it was approximately 3.16°F cooler on average, and rained 1.58 inches more. After this week, the rainfall for the month of September has totaled 7.79 inches, while the month of August finished with 4.08 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
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<i>Aedes vexans</i>	+323.8%	~+8900%	Westborough
<i>Coquilleltidia perturbans</i>	-20.83%	+137.5%	Dracut, Natick
<i>Culiseta melanura</i>	-31.11%	+933.3%	Boxborough
<i>Ochlerotatus canadensis</i>	-50.00%	~+1300%	Boxborough
<i>Culex</i> Species	-64.16%	+426.3%	Westborough, Hudson
All Species	-42.40%	+258.9%	Westborough

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Compiled by **Frank Cornine**, CMMCP Field Biologist

Central Mass. Mosquito Control Project

Weekly Report- 9/14/08-9/20/08

MMWR Epi Week #38

Cumulative Surveillance Summary - Mosquito

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	168	418	231	213	653	3258
Total Specimens	988	15590	1261	1448	11974	36581
No. Pools WNV +	0	0	1*	0	7*	8*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Shrewsbury on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Berlin on 9/10/08

*Pool of WNV+ *Culiseta melanura* collected in Berlin on 9/10/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/18/08

Cumulative Surveillance Summary – Bird/Mammal/Other

Species	Date	Town	County	Virus
Crow	8/5/08	Natick	Middlesex	WNV
Blue Jay	8/6/08	Dracut	Middlesex	WNV
Crow	8/13/08	Auburn	Worcester	WNV
Crow	9/8/08	Chelmsford	Middlesex	WNV
Crow	9/11/08	Tewksbury	Middlesex	WNV
Crow	9/15/08	Blackstone	Worcester	WNV

Weather Summary (Northborough, MA): The weather for this particular week averaged only 60.29°F with a recorded high temperature of 78.1°F and a recorded low temperature of only 37.0°F. For this week there was also a total of only .56 inches of rain observed. Compared to the previous week, it was approximately 3.42°F cooler on average, and rained 0.72 inches less. After this week, the rainfall for the month of September has totaled 5.65 inches, while the month of August finished with 4.08 inches.

CMMCP Mosquito Summary-

Target Species **Δ From** **Δ From** **Predominant Trap Site(s)**
 Last Week **Last Year**

<i>Aedes vexans</i>	-65.00%	+2000%	Southborough, Northbridge
<i>Coquilleltidia perturbans</i>	-83.92%	+228.6%	Webster, Lunenburg
<i>Culiseta melanura</i>	-56.94%	+109.3%	Boxborough, Berlin
<i>Ochlerotatus canadensis</i>	-42.22%	~ +2600%	Millbury, Westford
<i>Culex</i> Species	-41.79%	+482.1%	Hopedale, Shrewsbury, Auburn
All Species	-49.15%	+273.9%	Hopedale, Boxborough, Auburn

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 30-September-2008

Central Mass. Mosquito Control Project

Weekly Report- 9/7/08-9/13/08

MMWR Epi Week #37

Cumulative Surveillance Summary - Mosquito

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	157	405	218	204	613	3079
Total Specimens	967	15567	1171	1422	11421	35650
No. Pools WNV +	0	0	1*	0	5*	6*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Shrewsbury on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Berlin on 9/10/08

*Pool of WNV+ *Culiseta melanura* collected in Berlin on 9/10/08

Cumulative Surveillance Summary – Bird/Mammal/Other

Species	Date	Town	County	Virus
Crow	8/5/08	Natick	Middlesex	WNV
Blue Jay	8/6/08	Dracut	Middlesex	WNV
Crow	8/13/08	Auburn	Worcester	WNV
Crow	9/8/08	Chelmsford	Middlesex	WNV
Crow	9/15/08	Blackstone	Worcester	WNV

Weather Summary (Northborough, MA): The weather for this particular week averaged only 63.71°F with a recorded high temperature of 80.7°F and a recorded low temperature of only 43.6°F. For this week there was also a total of only 1.28 inches of rain observed. Compared to the previous week, it was approximately 6.8°F cooler on average, and rained 2.53 inches less. After this week, the rainfall for the month of September has totaled 5.09 inches, while the month of August finished with 4.08 inches.

CMMCP Mosquito Summary- Target Species

Δ From Δ From Predominant Trap Site(s)
Last Week Last Year

<i>Aedes vexans</i>	-38.89%	~ +6000%	Hopkinton, Dracut
<i>Coquillettidia perturbans</i>	-30.32%	+217.8%	Webster, Dracut
<i>Culiseta melanura</i>	+74.00%	+95.33%	Berlin, Hopkinton, Millbury
<i>Ochlerotatus canadensis</i>	-14.29%	~ +4500%	Millbury
<i>Culex</i> Species	-13.45%	+254.5%	Millbury, Dracut, Hopedale
All Species	-11.65%	+204.7%	Millbury, Dracut

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 17-September-2008

Central Mass. Mosquito Control Project

Weekly Report- 8/31/08-9/6/08

MMWR Epi Week #36

Cumulative Surveillance Summary

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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	137	385	192	190	567	2824
Total Specimens	907	15424	962	1377	10471	33819
No. Pools WNV +	0	0	0	0	4*	4*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Auburn on 9/4/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Shrewsbury on 9/4/08

Weather Summary (Northborough, MA): The weather for this particular week averaged only 70.51°F with a recorded high temperature of 88.0°F and a recorded low temperature of only 53.8°F. For this week there was also a total of only 3.81 inches of rain observed. Compared to the previous week, it was approximately 3.6°F warmer on average, and rained 3.75 inches more. After this week, the rainfall for the month of September has totaled 3.81 inches, while the month of August finished with 4.08 inches.

CMMCP Mosquito Summary-

Target Species Δ From Δ From Predominant Trap Site(s)
Last Week Last Year

<i>Aedes vexans</i>	+80.00%	+227.3%	Southborough
<i>Coquillettidia perturbans</i>	+115.3%	+115.3%	Boxborough, Westborough
<i>Culiseta melanura</i>	+614.3%	+733.3%	Boxborough, Berlin
<i>Ochlerotatus canadensis</i>	+94.44%	~ 3600%	Boxborough, Berlin, Westford
<i>Culex</i> Species	+12.92%	+169.9%	Hopedale, Clinton
All Species	+58.03%	+171.3%	Hopedale, Boxborough

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 12-September-2008

Central Mass. Mosquito Control Project

Weekly Report- 8/24/08-8/30/08

MMWR Epi Week #35

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	117	364	170	178	534	2601
Total Specimens	835	15269	862	1342	9772	32343
No. Pools WNV +	0	0	0	0	2*	2*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

Weather Summary (Northborough, MA): The weather for this particular week averaged only 66.91°F with a recorded high temperature of 82.2°F and a recorded low temperature of only 48.8°F. For this week there was also a total of only 0.06 inches of rain observed. Compared to the previous week, it was approximately 1.66°F cooler on average, and rained .03 inches more. After this week, the rainfall for the month of August has totaled 3.04 inches, while the month of July finished with 6.72 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	+29.09%	~ +7000%	Boxborough
<i>Coquilleltidia perturbans</i>	-55.97%	+19.59%	Webster, Westborough, Natick
<i>Culiseta melanura</i>	-38.89%	-12.00%	Boxborough, Holliston
<i>Ochlerotatus canadensis</i>	+54.17%	~ +3600%	Boxborough, Millbury
<i>Culex</i> Species	+32.52%	+68.54%	Hopedale, Westborough, Shrewsbury
All Species	+5.68%	+72.31%	Hopedale, Westborough

The predominant mosquito species for the week was *Culex pipiens/restuans*, with a 32% increase from week 34. *Ae.vexans* numbers have spiked nearly 30% after dropping over 75% last week, with *Oc. canadensis* showing similar numbers. With two weeks of below average rainfall floodwater species are expected to continue to diminish. *Cq. perturbans* numbers have continued a steady decline along with *Cs. melanura*. Service calls declined by 39% from week 34 but are still 221% higher than the 5 year average.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 2-September-2008

Central Mass. Mosquito Control Project

Weekly Report- 8/17/08-8/23/08

MMWR Epi Week #34

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	98	340	162	167	490	2394
Total Specimens	764	15092	840	1305	8904	30837
No. Pools WNV +	0	0	0	0	2*	2*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

*Pool of WNV+ *Culex pipiens/restuans* collected in Clinton on 8/13/08

Weather Summary (Northborough, MA): The weather for this particular week averaged only 68.57°F with a recorded high temperature of 86.5°F and a recorded low temperature of only 48.6°F. For this week there was also a total of only 0.03 inches of rain observed. Compared to the previous week, it was approximately 1.98°F cooler on average, and rained .73 inches less. After this week, the rainfall for the month of August has totaled 2.98 inches, while the month of July finished with 6.72 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-77.46%	+1275.0%	Stow, Ayer
<i>Coquilleltidia perturbans</i>	-43.78%	+142.17%	Ayer
<i>Culiseta melanura</i>	-77.91%	+157.14%	Westborough
<i>Ochlerotatus canadensis</i>	-70.37%	+2400.0%	Natick, Holliston, Westford, Westborough
<i>Culex</i> Species	-40.13%	+139.93%	Dracut, Westborough, Stow
All Species	-50.59%	+97.10%	Ayer, Hopkinton, Westborough, Stow

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Service requests rose by 15% over last week, and remain 345% higher than the five year average.

Compiled by **Frank Cornine**, CMMCP Field Biologist

Central Mass. Mosquito Control Project

Weekly Report- 8/10/08-8/16/08

MMWR Epi Week #33

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	84	317	153	154	454	2193
Total Specimens	709	14690	804	1281	8249	29412
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

Weather Summary (Northborough, MA): The weather for this particular week averaged only 66.59°F with a recorded high temperature of 82.6°F and a recorded low temperature of only 56.2°F. For this week there was also a total of 0.76 inches of rain observed. Compared to the previous week, it was approximately 1.34°F cooler on average, and rained .97 inches less. After this week, the rainfall for the month of August has totaled 2.95 inches, while the month of July finished with 6.72 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	+27.08%	+3385.71%	Webster, Millbury, Westborough
<i>Coquillettidia perturbans</i>	-14.98%	-25.05%	Ashland, Westborough, Webster
<i>Culiseta melanura</i>	+91.76%	+1153.85%	Millbury, Westborough, Hopkinton
<i>Ochlerotatus canadensis</i>	+2600.00%	+3950.00%	Millbury
<i>Culex</i> Species	+12.55%	+100.37%	Milford, Shrewsbury, Westborough
All Species	+22.15%	+62.85%	Ashland, Westborough, Millbury

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Service requests rose by 50% after a 3 week decline, and remain 315% higher than the five year average.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 20-August-2008

Central Mass. Mosquito Control Project

Weekly Report- 8/3/08-8/9/08

MMWR Epi Week #32

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	62	281	133	140	406	1915
Total Specimens	465	13975	641	1200	7155	26528
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

Weather Summary (Northborough, MA): The weather for this particular week averaged only 67.93°F with a recorded high temperature of 81.6°F and a recorded low temperature of only 57.2°F. For this week there was also a total of 1.73 inches of rain observed. Compared to the previous week, it was approximately 4.57°F cooler on average, and rained only .01 inches less. After this week, the rainfall for the month of August has totaled 2.19 inches, while the month of July finished with 6.72 inches.

**CMMCP Mosquito Summary-
Target Species**

	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	+1271.4%	+ ∞	Wilmington, Ashland, Natick
<i>Coquilleltidia perturbans</i>	-35.95%	+70.93%	Wilmington, Clinton, Billerica
<i>Culiseta melanura</i>	+49.12%	+254.17%	Boxborough, Holliston
<i>Ochlerotatus canadensis</i>	-84.21%	-25.00%	Boxborough, Hopkinton, Westford
<i>Culex</i> Species	+35.38%	+165.57%	Stow, Marlborough, Ashland
All Species	+0.04%	+122.53%	Wilmington, Stow, Ashland

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Service requests declined again from the previous week by 20%, but remain 74.5% higher than the five year average.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 13-August-2008

**Central Mass. Mosquito Control Project
Weekly Report- 7/27/08-8/2/08
MMWR Epi Week #31**

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	43	250	119	137	362	1704
Total Specimens	273	13134	556	1197	6183	24167
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

Weather Summary (Northborough, MA): The weather for this particular week averaged only 72.50°F with a recorded high temperature of 87.6°F and a recorded low temperature of only 60.2°F. For this week there was also a total of 1.74 inches of rain observed. Compared to the previous week, it was approximately .24°F cooler on average, and rained about 1.85 inches less. After this week, the rainfall for the month of August has totaled .46 inches, while the month of July finished with 6.72 inches.

**CMMCP Mosquito Summary-
Target Species**

	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-56.25%	+133.33%	Chelmsford, Wilmington
<i>Coquilleltidia perturbans</i>	-23.04%	-21.14%	Stow, Westborough
<i>Culiseta melanura</i>	-8.06%	+90.00%	Holliston
<i>Ochlerotatus canadensis</i>	-36.67%	+90.00%	Millbury
<i>Culex</i> Species	-1.91%	-24.50%	Hopedale, Dracut, Shrewsbury

All Species	-15.53%	-17.02%	Stow, Westborough, Wilmington
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The predominant mosquito species for the week was *Coquillettidia perturbans*.

Service requests (409 total) dropped again 16% compared to the previous week, but are 58.5% above the 5 year average.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 6-August-2008

Central Mass. Mosquito Control Project

Weekly Report- 7/20/08-7/26/08

MMWR Epi Week #30

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	36	214	104	131	325	1511
Total Specimens	259	11821	499	1178	5465	21807
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

Weather Summary (Northborough, MA): The weather for this particular week averaged only 72.74°F with a recorded high temperature of 90.5°F and a recorded low temperature of only 60.4°F. For this week there was also a total of 3.59 inches of rain observed. Compared to the previous week, it was approximately 2.57°F cooler on average, and rained about 3.47 inches more. After this week, the rainfall for the month of July has totaled 5.34 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-70.64%	-17.95%	Westborough
<i>Coquillettidia perturbans</i>	-33.02%	-39.78%	Westborough, Dracut, Boxborough
<i>Culiseta melanura</i>	+37.78%	-6.06%	Boxborough, Holliston
<i>Ochlerotatus canadensis</i>	-75.61%	+66.67%	Westborough, Boxborough
<i>Culex</i> Species	-26.87%	-23.67%	Dracut, Westborough
All Species	-39.14%	-31.99%	Westborough, Dracut, Webster

The predominant mosquito species for the week was *Coquillettidia perturbans*.

Service requests (474 total) dropped 40% compared to the previous week, and were consistent the prior 4 weeks (average 644/week), but are 84% above the 5 year average.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 31-July-2008

Central Mass. Mosquito Control Project

Weekly Report- 7/13/08-7/19/08

MMWR Epi Week #29

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	28	188	91	122	290	1332
Total Specimens	227	10115	437	1148	4733	19013
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

Weather Summary (Northborough, MA): The weather for this particular week averaged 75.31°F with a recorded high temperature of 93.2°F and a recorded low temperature of only 57.0°F. For this week there was also a total of 0.12 inches of rain observed. Compared to the previous week, it was approximately 9.9°F cooler on average, and rained about .40 inches less. Including this week, the rainfall for the month of July has totaled 1.75 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	+230.30%	+39.74%	Westborough
<i>Coquillettidia perturbans</i>	+7.33%	+26.34%	Stow, Westborough, Ashland
<i>Culiseta melanura</i>	-50.55%	-36.62%	Holliston
<i>Ochlerotatus canadensis</i>	+132.08%	+339.29%	Millbury
<i>Culex</i> Species	+20.17%	+53.53%	Ashland, Hopedale, Dracut
All Species	+28.56%	+51.37%	Westborough, Stow, Ashland

The predominant mosquito species for the week was *Coquillettidia perturbans*.

Compiled by **Frank Cornine**, CMMCP Field Biologist

Central Mass. Mosquito Control Project

Weekly Report- 7/6/08-7/12/08

MMWR Epi Week #28

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	16	155	77	110	242	1098
Total Specimens	118	7568	392	1025	3732	14422
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

Weather Summary (Northborough, MA): The weather for this particular week averaged 85.21°F with a recorded high temperature of 89.7°F and a recorded low temperature of only 57.0°F. For this week there was also a total of 0.52 inches of rain observed. Compared to the previous week, it was approximately 14.71°F warmer on average, and rained about .97 inches less. After this week, the rainfall for the month of July has totaled 1.63 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	+∞	-56.58%	Westborough

<i>Coquillettidia perturbans</i>	-3.93%	-47.83%	Westborough, Boxborough, Stow
<i>Culiseta melanura</i>	+33.82%	+30.00%	Shrewsbury, Westborough
<i>Ochlerotatus canadensis</i>	+10.42%	-50.47%	Dracut
<i>Culex</i> Species	+81.48%	+5.98%	Clinton
All Species	+12.23%	-38.42%	Westborough, Clinton, Boxborough

The predominant mosquito species for the week was *Coquillettidia perturbans*.

Service requests have been consistent the past 4 weeks (average 644/week), but are 71% above the 5 year average and 14% higher than the previous week with 699 requests received.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 18-July-2008

Central Mass. Mosquito Control Project

Weekly Report- 6/29/08-7/5/08

MMWR 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	5	120	65	96	198	884
Total Specimens	85	5195	301	972	2899	10851
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex pipiens/restuans* collected in Millbury on 7/1/08

Weather Summary (Northborough, MA): The weather for this particular week averaged 70.50°F with a recorded high temperature of 89.7°F and a recorded low temperature of only 60.2°F. For this week there was also a total of 1.49 inches of rain observed. Compared to the previous week, it was approximately 1.17°F warmer on average, and rained about .20 inches more. After this week, the rainfall for the month of July has totaled 1.11 inches.

CMMCP Mosquito Summary-

Target Species Δ From Δ From Predominant Trap Site(s)
 Last Week Last Year

<i>Aedes vexans</i>	0.00%	-100.00%	N/A
<i>Coquillettidia perturbans</i>	+42.69%	+27.91%	Westborough, Hopkinton
<i>Culiseta melanura</i>	+47.83%	+126.67%	Westborough, Boxborough
<i>Ochlerotatus canadensis</i>	-71.76%	+2.13%	Westford, Hopkinton
<i>Culex</i> Species	-47.84%	+2.68%	Shrewsbury
All Species	+4.91%	+19.80%	Westborough, Hopkinton

The predominant mosquito species for the week was *Coquillettidia perturbans*.

Compiled by **Frank Cornine**, CMMCP Field Biologist

Central Mass. Mosquito Control Project

Weekly Report- 6/22/08-6/28/08

MMWR Epi Week #26

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	5	94	53	81	168	730
Total Specimens	85	2725	233	924	2440	7669
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 69.33°F with a recorded high temperature of 84.1°F and a recorded low temperature of only 59.2°F. For this week there was also a total of 1.29 inches of rain observed. Compared to the previous week, it was approximately 5.13°F warmer on average, and rained about .23 inches more. Including this week, rainfall for the month of June has totaled 3.23 inches, compared to May which finished with 1.98 inches.

CMMCP Mosquito Summary-

Target Species Δ From Δ From Predominant Trap Site(s)
Last Week Last Year

<i>Aedes vexans</i>	-100.00%	-100.00%	N/A
<i>Coquilleltidia perturbans</i>	+134.24%	-31.61%	Dracut, Hopkinton
<i>Culiseta melanura</i>	-45.88%	-63.20%	Billerica
<i>Ochlerotatus canadensis</i>	+25.93%	+86.81%	Marlborough, Hopkinton
<i>Culex</i> Species	+32.33%	+22.56%	Clinton, Hudson, Stow
All Species	+72.04%	-16.31%	Dracut, Hopkinton

The predominant mosquito species for the week was *Coquilleltidia perturbans*.

Monthly rainfall for May was 1.84 inches below the 28 year average of 4.02 inches. Rainfall for this week was 1.29".

Service requests have been consistent the past 3 weeks, and are 13% above the 5 year average and <1% lower than the previous week with 629 requests received.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 9-July-2008

Central Mass. Mosquito Control Project

Weekly Report- 6/15/08-6/21/08

MMWR Epi Week #25

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	5	59	36	62	122	538
Total Specimens	85	994	187	754	1560	4636
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 64.19°F with a recorded high temperature of 82.6°F and a recorded low temperature of only 50.2°F. For this week there was also a total of 1.06 inches of rain observed. Compared to the previous week, it was approximately

11.95°F cooler on average, and rained about .91 inches more. Including this week, rainfall for the month of June has totaled 1.94 inches, compared to May which finished with 1.98 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
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<i>Aedes vexans</i>	-96.55%	-96.77%	Sturbridge
<i>Coquillettidia perturbans</i>	+206.64%	-45.54%	Hopkinton, Wilmington
<i>Culiseta melanura</i>	+117.95%	-12.37%	Tewksbury
<i>Ochlerotatus canadensis</i>	+6.30%	+31.07%	Hopkinton
<i>Culex</i> Species	+77.81%	+71.83%	Clinton, Marlborough, Stow
All Species	+57.41%	-21.01%	Hopkinton, Wilmington

The predominant mosquito species for the week was *Coquillettidia perturbans*.

Monthly rainfall for May was 1.84 inches below the 28 year average of 4.02 inches. Weekly rainfall for the past 6 weeks was less than one inch per week (.435 average per week). The last significant rain event was Epi week 18 with 2.89 inches total rainfall.

Service requests are 13% below the 5 year average and 38% lower than the previous week with 638 requests received.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 25-June-2008

Central Mass. Mosquito Control Project

Weekly Report- 6/8/08-6/14/08

MMWR Epi Week #24

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	4	26	22	43	77	351
Total Specimens	84	255	102	619	895	2873
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 76.14°F with a recorded high temperature of 99.9°F and a recorded low temperature of only 47.4°F. For this week there was also a total of .15 inches of rain observed. Compared to the previous week, it was approximately 11.3°F warmer on average, and rained about .58 inches less. Including this week, rainfall for the month of June has totaled .88 inches, compared to May which finished with 1.98 inches.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
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<i>Aedes vexans</i>	-47.27%	+45.00%	Hopkinton (Fruit St.)
<i>Coquillettidia perturbans</i>	+1621.43%	-64.92%	Ashland, Lancaster
<i>Culiseta melanura</i>	-38.10%	-73.83%	Tewksbury
<i>Ochlerotatus canadensis</i>	-74.19%	-7.30%	Ashland
<i>Culex</i> Species	-28.21%	+101.08%	Stow, Shrewsbury
All Species	-36.11%	-22.60%	Ashland, Stow

The predominant mosquito species for the week was *Culex pipiens/restuans*.

Monthly rainfall for May was 1.98 inches below the 26 year average of 4.16 inches. Weekly rainfall for the past 6 weeks was less than one inch per week (.435 average per week). The last significant rain event was Epi week 18 with 2.89 inches total rainfall.

Service requests are 26% above the 5 year average but 21% lower than the previous week with 870 requests received.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 18-June-2008

Central Mass. Mosquito Control Project

Weekly Report- 6/1/08-6/7/08

MMWR Epi Week #23

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	1	6	11	20	36	165
Total Specimens	55	14	63	492	521	1753
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 64.84°F with a recorded high temperature of 94.3°F and a recorded low temperature of 53.5°F. For this week there was also a total of .73 inches of rain observed, which accounts for all the precipitation this month to date. Compared to the previous week, it was approximately .5°F cooler on average, and rained about .15 inches more. The total rainfall for the previous month was 2.18 inches.

CMMCP Mosquito Summary

Target Species	Δ From Last Week*	Δ From Last Year*	Predominant Trap Site(s)
<i>Aedes vexans</i>	N/A	+103.70%	Chelmsford
<i>Coquilleltidia perturbans</i>	N/A	-79.71%	Chelmsford, Stow
<i>Culiseta melanura</i>	N/A	-73.97%	Holliston
<i>Ochlerotatus canadensis</i>	N/A	+73.85%	Chelmsford
<i>Culex</i> Species	N/A	+254.42%	Westborough, Shrewsbury
All Species	N/A	+34.43%	Chelmsford

The predominant mosquito species for the week was *Culex pipiens/restuans*, with *Ochlerotatus canadensis* close behind.

Monthly rainfall for May was 1.98 inches below the 26 year average of 4.16 inches. Weekly rainfall for the past 5 weeks was less than one inch per week; Epi week 18 had 2.89 inches total rainfall.

Service requests are 39% above the 5 year average; 1,057 requests received this week.

Compiled by **Frank Cornine**, CMMCP Field Biologist

posted 10-June-2008

[CMMCP trap locations - 2008](#)

[What is an "Epi Week"?](#)

Click here for the [2008 Epi Week](#) calendar courtesy of CMMCP.

PRIOR REPORTS:

[2007 Surveillance data](#)

[2006 Surveillance data](#)

CMMCP District information – the 39 cities and towns in the CMMCP service area are broken down into 5 Districts. Each District has a Crew Leader and Field Technician assigned full time. A general description of these Districts would be: **District 1 (yellow)**, *Northeast*; **District 2 (blue)**, *Northwest*; **District 3 (green)**, *Central*; **District 4 (red)**, *Southeast* and **District 5 (gray)**, *Southwest*.

