

# Central Mass. Mosquito Control Project

## Weekly Report- 9/24/06-9/30/06

### MMWR Week #39

#### 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	264	494	353	238	707	3593
Total Specimens	1935	18875	2703	3442	8357	39506
No. Pools WNV +	0	0	1	0	1	1
No. Pools EEE +	0	0	0	0	0	0

#### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 56.5°F, which is 5°F below normal for the month of September. The daily high temperature recorded was 76°F, compared to 39°F for the low daily recorded temperature.

#### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	-64.5%	Webster, Westboro
<i>Coquillettidia perturbans</i>	-48.7%	Billerica, Webster
<i>Culiseta melanura</i>	-60.4%	Holliston, Webster, Westboro
<i>Ochlerotatus canadensis</i>	+287.2%	Westboro
<i>Culex</i> Species	-82.6%	Hudson, Westboro
All Species	-46.8%	Billerica, Webster, Westboro

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

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

posted 4-October-2006

# Central Mass. Mosquito Control Project

## Weekly Report- 9/17/06-9/23/06

### MMWR Week #38

#### 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	246	477	328	225	683	3396
Total Specimens	1814	18577	2522	3291	8318	38487
No. Pools WNV +	0	0	1	0	1	1
No. Pools EEE +	0	0	0	0	0	0

**Weather Summary (Northborough, MA):**

Temperatures for this week averaged approximately 62.1°F, which is 0.6°F below normal for the month of September. The daily high temperature recorded was 78°F, compared to 46°F for the low daily recorded temperature.

**CMMCP Mosquito Summary-**

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	+94.9%	Westboro
<i>Coquillettidia perturbans</i>	+274.8%	Webster
<i>Culiseta melanura</i>	-24.8%	Billerica, Westford, Westboro
<i>Ochlerotatus canadensis</i>	-27.8%	Westboro
<i>Culex</i> Species	-2.2%	Westboro
All Species	-32.2%	Westford, Webster, Westboro

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

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

posted 29-September-2006

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**Central Mass. Mosquito Control Project**  
**Weekly Report- 9/10/06-9/16/06**  
**MMWR Week #37**

**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	211	442	281	215	641	3106
Total Specimens	1407	17949	1719	3223	7961	35922
No. Pools WNV +	0	0	0	0	1	1
No. Pools EEE +	0	0	0	0	0	0

**Weather Summary (Northborough, MA):**

Temperatures for this week averaged approximately 59.6°F, which is 1.9°F below normal for the month of September. The daily high temperature recorded was 77°F, compared to 49°F for the low daily recorded temperature.

**CMMCP Mosquito Summary-**

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	+220.6%	Westboro
<i>Coquillettidia perturbans</i>	-24.5%	Stow
<i>Culiseta melanura</i>	+244.7%	Hopkinton
<i>Ochlerotatus canadensis</i>	+13.6%	Westboro
<i>Culex</i> Species	-61.5%	Hopedale

All Species	+39.1%	Hopkinton
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The predominant mosquito species for the week was *Culiseta melanura*.

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

posted 20-September-2006

## Central Mass. Mosquito Control Project

### Weekly Report- 9/3/06-9/9/06

### MMWR Week #36

#### 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	191	420	252	211	618	2922
Total Specimens	1298	17841	1457	3198	7865	35125
No. Pools WNV +	0	0	0	0	1	1
No. Pools EEE +	0	0	0	0	0	0

#### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 65°F, which is 3°F above normal for the month of September. The daily high temperature recorded was 79°F, compared to 56°F for the low daily recorded temperature.

#### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	-4.4%	Northbridge, Westboro
<i>Coquillettidia perturbans</i>	-52.8%	Westboro, Westford
<i>Culiseta melanura</i>	-10.4%	Westboro
<i>Ochlerotatus canadensis</i>	-16.7%	Westboro
<i>Culex</i> Species	-41.5%	Hopedale, Westboro
All Species	-34.7%	Westboro

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

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

posted 14-September-2006

## Central Mass. Mosquito Control Project

### Weekly Report- 8/27/06-9/2/06

### MMWR 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	179	397	232	206	587	2773
Total Specimens	1264	17698	1381	3176	7710	34552
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 61°F, which is 1°F below normal for the month of September. The daily high temperature recorded was 77°F, compared to 53°F for the low daily recorded temperature.

### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	+109.1%	Northbridge
<i>Coquillettidia perturbans</i>	-7.6%	Sturbridge
<i>Culiseta melanura</i>	+40.3%	Berlin
<i>Ochlerotatus canadensis</i>	-62.5%	Westboro
<i>Culex</i> Species	-38.2%	Northbridge, Westboro
All Species	-19.1%	Northbridge, Sturbridge

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

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

posted 5-September-2006

## Central Mass. Mosquito Control Project

### Weekly Report- 8/20/06-8/26/06

### MMWR 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	175	366	210	202	554	2594
Total Specimens	1241	17395	1294	3170	7445	33675
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 66°F, which is 4°F below normal for the month of August. The daily high temperature recorded was 81°F, compared to 57°F for the low daily recorded temperature. Precipitation for the week was 0.0 inches, which is 0.96 inches below the average August week.

## CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	-69.4%	Chelmsford, Westboro
<i>Coquillettidia perturbans</i>	-34.8%	Stow
<i>Culiseta melanura</i>	-28.7%	Tewksbury
<i>Ochlerotatus canadensis</i>	+14.3%	Holliston, Westboro
<i>Culex</i> Species	-45.2%	Hopedale, Westboro
All Species	-33.0%	Hopedale, Marlboro, Westboro

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

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

posted 30-August-2006

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## Central Mass. Mosquito Control Project Weekly Report- 8/13/06-8/19/06 MMWR 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	167	330	190	194	515	2382
Total Specimens	1230	17067	1232	3154	7016	32591
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 69°F, which is 1°F below normal for the month of August. The daily high temperature recorded was 81°F, compared to 52°F for the low daily recorded temperature. Precipitation for the week was .77 inches, which is 0.19 inches below the average August week.

## CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	-60.4%	Hopkinton, Westboro
<i>Coquillettidia perturbans</i>	-57.8%	Sturbridge, Westboro
<i>Culiseta melanura</i>	-5.4%	Westboro
<i>Ochlerotatus canadensis</i>	-63.2%	Hopkinton, Westboro
<i>Culex</i> Species	+5.2%	Hopedale, Westboro
All Species	-33.9%	Hopedale, Westboro

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

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**Central Mass. Mosquito Control Project**  
**Weekly Report- 8/6/06-8/12/06**  
**MMWR 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	155	297	171	186	472	2182
Total Specimens	1194	16564	1145	3140	6233	30973
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

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**Weather Summary (Northborough, MA):**

Temperatures for this week averaged approximately 69°F, which is 1°F above normal for the month of August. The daily high temperature recorded was 83°F, compared to 52°F for the low daily recorded temperature. Precipitation for the week was .03 inches, which is 0.93 inches below the average August week.

**CMMCP Mosquito Summary-**

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	+89.6%	Hopkinton, Westboro
<i>Coquilleltidia perturbans</i>	-14.2%	Billerica, Tewksbury, Westboro
<i>Culiseta melanura</i>	-45.6%	Westboro
<i>Ochlerotatus canadensis</i>	+123.5%	Hopkinton, Westboro
<i>Culex</i> Species	+14.8%	Clinton, Marlboro, Westboro
All Species	-1%	Billerica, Hopkinton, Westboro

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

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**Central Mass. Mosquito Control Project**  
**Weekly Report- 7/30/06-8/5/06**  
**MMWR 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	142	262	154	177	419	1958
Total Specimens	1103	15371	1053	3102	5489	28524

<b>No. Pools WNV +</b>	0	0	0	0	0	0
<b>No. Pools EEE +</b>	0	0	0	0	0	0

#### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 77° F, which is 7° F above normal for the month of August. The daily high temperature recorded was 93° F, compared to 64° F for the low daily recorded temperature. Precipitation for the week was .17 inches, which is 0.79 inches below the average August week.

#### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	+92%	Westboro
<i>Coquillettidia perturbans</i>	-34.7%	Sturbridge, Westboro
<i>Culiseta melanura</i>	+181.7%	Westboro
<i>Ochlerotatus canadensis</i>	-48.5%	Westboro
<i>Culex</i> Species	-18.5%	Dracut, Marlboro, Westboro
All Species	-23.4%	Westboro

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

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

posted 8-August-2006

## Central Mass. Mosquito Control Project

### Weekly Report- 7/23/06-7/29/06

### MMWR 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
<b>No. Pools</b>	132	227	130	171	371	1752
<b>Total Specimens</b>	1055	13980	884	3085	4841	26069
<b>No. Pools WNV +</b>	0	0	0	0	0	0
<b>No. Pools EEE +</b>	0	0	0	0	0	0

#### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 73° F, which is 1° F above normal for the month of July. The daily high temperature recorded was 86° F, compared to 59° F for the low daily recorded temperature. Precipitation for the week was .95 inches, which is 0.09 inches above the average July week.

#### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
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<i>Aedes vexans</i>	-51.9%	Dracut, Westboro
<i>Coquillettidia perturbans</i>	-22.3%	Billerica, Marlboro, Westboro
<i>Culiseta melanura</i>	-13.0%	Tewksbury, Westboro
<i>Ochlerotatus canadensis</i>	-83.6%	Hopkinton, Marlboro
<i>Culex</i> Species	-39.5%	Marlboro, Westboro
All Species	-29.8%	Marlboro, Westboro

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

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

posted 1-August-2006

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## Central Mass. Mosquito Control Project

### Weekly Report- 7/16/06-7/22/06

### MMWR 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	122	191	115	159	327	1570
Total Specimens	1030	11849	824	3052	4046	22864
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

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#### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 76° F, which is 4° F above normal for the month of July. The daily high temperature recorded was 91° F, compared to 61° F for the low daily recorded temperature. Precipitation for the week was 1.29 inches, which is 0.43 inches above the average July week.

#### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	+108%	Chelmsford, Hopedale, Northbridge
<i>Coquillettidia perturbans</i>	+44%	Hopkinton, Marlboro, Westboro
<i>Culiseta melanura</i>	-33%	Westboro
<i>Ochlerotatus canadensis</i>	-20%	Holliston
<i>Culex</i> Species	+36%	Marlboro, Northbridge
All Species	+35%	Hopkinton, Marlboro, Westboro

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

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

posted 25-July-2006

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**Central Mass. Mosquito Control Project**  
**Weekly Report- 7/9/06-7/15/06**  
**MMWR 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	111	156	97	141	256	1318
Total Specimens	978	9106	755	2851	2732	18299
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

**Weather Summary (Northborough, MA):**

Temperatures for this week averaged approximately 73° F, which is 1° F above normal for the month of July. The daily high temperature recorded was 86° F, compared to 62° F for the low daily recorded temperature. Precipitation for the week was 0.73 inches, which is 0.13 inches above the average July week.

**CMMCP Mosquito Summary-**

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	-47.92%	Hopkinton, Westford
<i>Coquillettidia perturbans</i>	-12.51%	Dracut, Sturbridge, Westboro
<i>Culiseta melanura</i>	+145.24%	Holliston
<i>Ochlerotatus canadensis</i>	+17.21%	Auburn, Hopkinton, Westford
<i>Culex</i> Species	+83.33%	Dracut, Westboro
All Species	+7.42%	Dracut, Westboro

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

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

posted 18-July-2006

**Central Mass. Mosquito Control Project**  
**Weekly Report- 7/2/06-7/8/06**  
**MMWR 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	101	122	83	121	192	1104
Total Specimens	953	7204	652	2599	1764	14913

<b>No. Pools WNV +</b>	0	0	0	0	0	0
<b>No. Pools EEE +</b>	0	0	0	0	0	0

### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 72° F, which is relatively normal for the month of July. The daily high temperature recorded was 84° F, compared to 60° F for the low daily recorded temperature. Precipitation for the week was 0.16 inches, which is 0.70 inches above the average July week.

### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	-7.7%	Dracut
<i>Coquillettidia perturbans</i>	-22.1%	Dracut, Tewksbury
<i>Culiseta melanura</i>	-4.6%	Tewksbury
<i>Ochlerotatus canadensis</i>	-77.9%	Hopkinton
<i>Culex</i> Species	+38.6%	Dracut
All Species	-29.5%	Dracut

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

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

posted 13-July-2006

## Central Mass. Mosquito Control Project Weekly Report- 6/25/06-7/1/06 MMWR 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
<b>No. Pools</b>	89	97	70	100	159	923
<b>Total Specimens</b>	905	5030	610	2384	1236	11761
<b>No. Pools WNV +</b>	0	0	0	0	0	0
<b>No. Pools EEE +</b>	0	0	0	0	0	0

### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 71° F, which is 4° F above normal for the month of June. The daily high temperature recorded was 81° F, compared to 58° F for the low daily recorded temperature. Precipitation for the week was 1.25 inches, which is 0.33 inches above the average June week.

### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
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<i>Aedes vexans</i>	-74.4%	Hopkinton
<i>Coquillettidia perturbans</i>	+38.5%	Westboro, Dracut
<i>Culiseta melanura</i>	-84.1%	Marlboro
<i>Ochlerotatus canadensis</i>	+38.5%	Westford
<i>Culex</i> Species	+22.1%	Dracut
All Species	+16.4%	Westford

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

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

posted 3-July-2006

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## Central Mass. Mosquito Control Project

### Weekly Report- 6/17/06-6/24/06

### MMWR 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	77	64	60	75	106	700
Total Specimens	853	2239	566	1413	855	7290
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

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#### Weather Summary (Northborough, MA):

Temperatures for this week averaged approximately 72° F, which is 5° F above normal for the month of June. The daily high temperature recorded was 89° F, compared to 59° F for the low daily recorded temperature. Precipitation for the week was 0.62 inches, which is 0.30 inches below the average June week.

#### CMMCP Mosquito Summary-

Target Species	% Change	Predominant Trap Site(s)
<i>Aedes vexans</i>	-57.5%	Chelmsford
<i>Coquillettidia perturbans</i>	+846.0%	Chelmsford, Littleton
<i>Culiseta melanura</i>	+109.9%	Tewksbury
<i>Ochlerotatus canadensis</i>	+21.7%	Westford
<i>Culex</i> Species	-24.5%	Northbridge
All Species	+53.9%	Chelmsford

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

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

posted 27-June-2006

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**Central Mass. Mosquito Control Project**  
**Weekly Report- 6/11/06-6/17/06**  
**MMWR WEEK #24**

**Cumulative Surveillance Summary**

<b>Target Species</b>	<b><i>Ae. vex</i></b>	<b><i>Cq. per</i></b>	<b><i>Cs. mel</i></b>	<b><i>Oc. can</i></b>	<b><i>Culex</i></b>	<b>All Species</b>
<b>No. Pools</b>	58	33	38	48	66	465
<b>Total Specimens</b>	650	224	289	712	543	3448
<b>No. Pools WNV +</b>	0	0	0	0	0	0
<b>No. Pools EEE +</b>	0	0	0	0	0	0

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**Weather Summary (Northborough, MA):**

Temperatures for this week averaged approximately 66° F, which is 1° F below normal for the month of June. The daily high temperature recorded was 81° F, compared to 49° F for the low daily recorded temperature. Precipitation for the week was 0.36 inches, which is 0.56 inches below the average June week.

**CMMCP Mosquito Summary-**

Our collections of *Ae. vexans* show a 6-fold increase in number from our last trap week. The majority of *Ae. vexans* were found at our Hopkinton (Fruit St.), Marlborough, and Northbridge trap sites. Our collections of *Cq. perturbans* show a 21-fold increase from our last trap week. The majority of *Cq. perturbans* were found at our Hopkinton (Fruit St.) and Marlborough trap sites. Our collections of *Cs. melanura* show a .33-fold increase in number from our last trap week. The majority of *Cs. melanura* were found at our Hopkinton (Fruit St.), Marlborough, and Tewksbury trap sites. Our collections of *Oc. canadensis* show an 8.5-fold increase in number from our last trap week. The majority of *Oc. canadensis* were found at our Billerica and Marlborough trap sites, which is the same as last week. Our collections of *Culex* show an 8-fold increase from our last trap week. The majority of *Culex* mosquitoes were found at our Westborough (Walk-up Dr.), Clinton and Northbridge trap sites. The predominant mosquito species for the week was *Oc. canadensis*.

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

posted 21-June-2006

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