

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #37
Sept. 11 – 17, 2011

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Central Mass. Mosquito Control Project
Weekly Report- 9/11/11-9/17/11
EPI 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	75	234	165	72	943	2463
Total Specimens	991	6639	1120	397	24748	37834
No. Pools WNV +	0	1 [†]	0	0	19 [†]	20 [†]
No. Pools EEE +	0	0	0	0	0	0

[†]Pool of WNV+ *Culex* Species collected in Sturbridge on 7/22/11

[†]Pool of WNV+ *Culex* Species collected in Acton on 7/28/11

Pool of WNV+ *Culex* Species collected in Worcester on 8/12/10 (DPH collection)

Pool of WNV+ *Culex* Species collected in Worcester on 8/12/10 (DPH collection)

[†]Pool of WNV+ *Culex* Species collected in Dracut on 8/9/11

[†]Pool of WNV+ *Culex* Species collected in Westford on 8/10/11

[†]Pool of WNV+ *Culex* Species collected in Auburn on 8/11/11

[†]Pool of WNV+ *Culex* Species collected in Shrewsbury on 8/11/11

[†]Pool of WNV+ *Culex* Species collected in Natick on 8/12/11

[†]Pool of WNV+ *Culex* Species collected in Auburn on 8/17/11

[†]Pool of WNV+ *Culex* Species collected in Auburn on 8/18/11

[†]Pool of WNV+ *Culex* Species collected in Shrewsbury on 8/18/11

[†]Pool of WNV+ *Culex* Species collected in Dracut on 8/19/11

[†]Pool of WNV+ *Culex* Species collected in Sturbridge on 8/19/11

[†]Pool of WNV+ *Culex* Species collected in Tewksbury on 8/23/11

[†]Pool of WNV+ *Culex* Species collected in Acton on 8/25/11

[†]Pool of WNV+ *Culex* Species collected in Auburn on 8/25/11

[†]Pool of WNV+ *Culex* Species collected in Auburn on 8/31/11

[†]Pool of WNV+ *Culex* Species collected in Shrewsbury on 8/31/11

[†]Pool of WNV+ *Culex* Species collected in Chelmsford on 9/7/11

[†]Pool of WNV+ *Coquilleidia perturbans* collected in Chelmsford on 9/7/11

[†]Pool of WNV+ *Culex* Species collected in Billerica on 9/7/11

Weather Summary (Northborough, MA): The weather for this particular week averaged 63.69°F with a recorded high temperature of 83.6°F and a recorded low temperature of only 40.2°F. For this week there was also a total of 0.06 inches of rain observed. Compared to the previous week, it was approximately 2.24°F cooler on average, and rained about 3.53 inches less. There has been 3.65 inches of rain accumulated in September, while the total rainfall for the month of August was 11.44 inches.

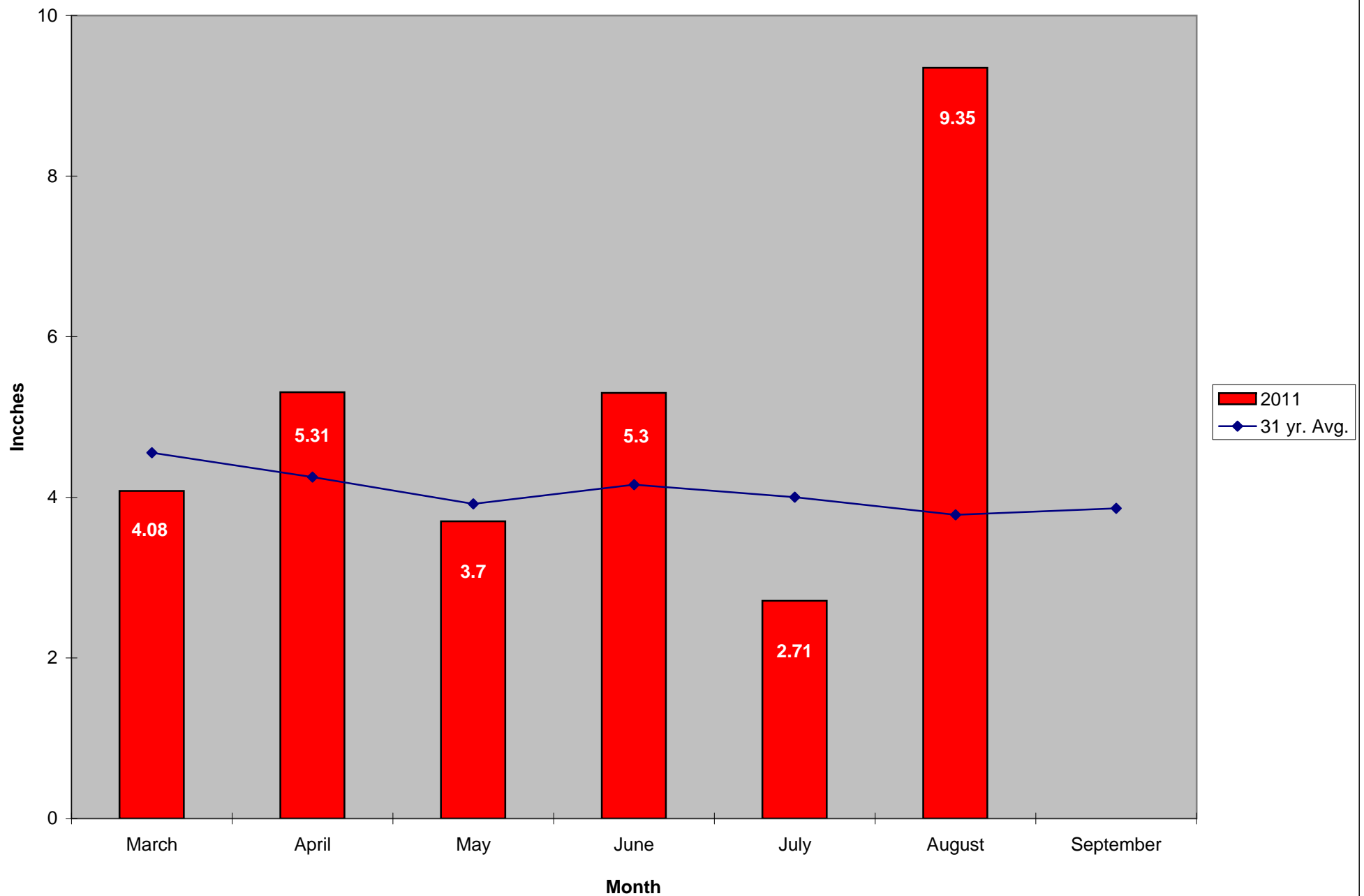
CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
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<i>Aedes vexans</i>	-97.67%	-87.10%	Westborough, Ashland
<i>Coquillettidia perturbans</i>	-59.26%	+155.6%	Natick, Sherborn, Littleton
<i>Culiseta melanura</i>	-82.32%	+1800%	Westborough, Holliston
<i>Ochlerotatus canadensis</i>	-92.31%	+400.0%	Stow, Hopedale
<i>Culex</i> Species	-83.83%	+200.0%	Westborough, Chelmsford
All Species	-82.61%	+35.70%	Holliston, Westborough

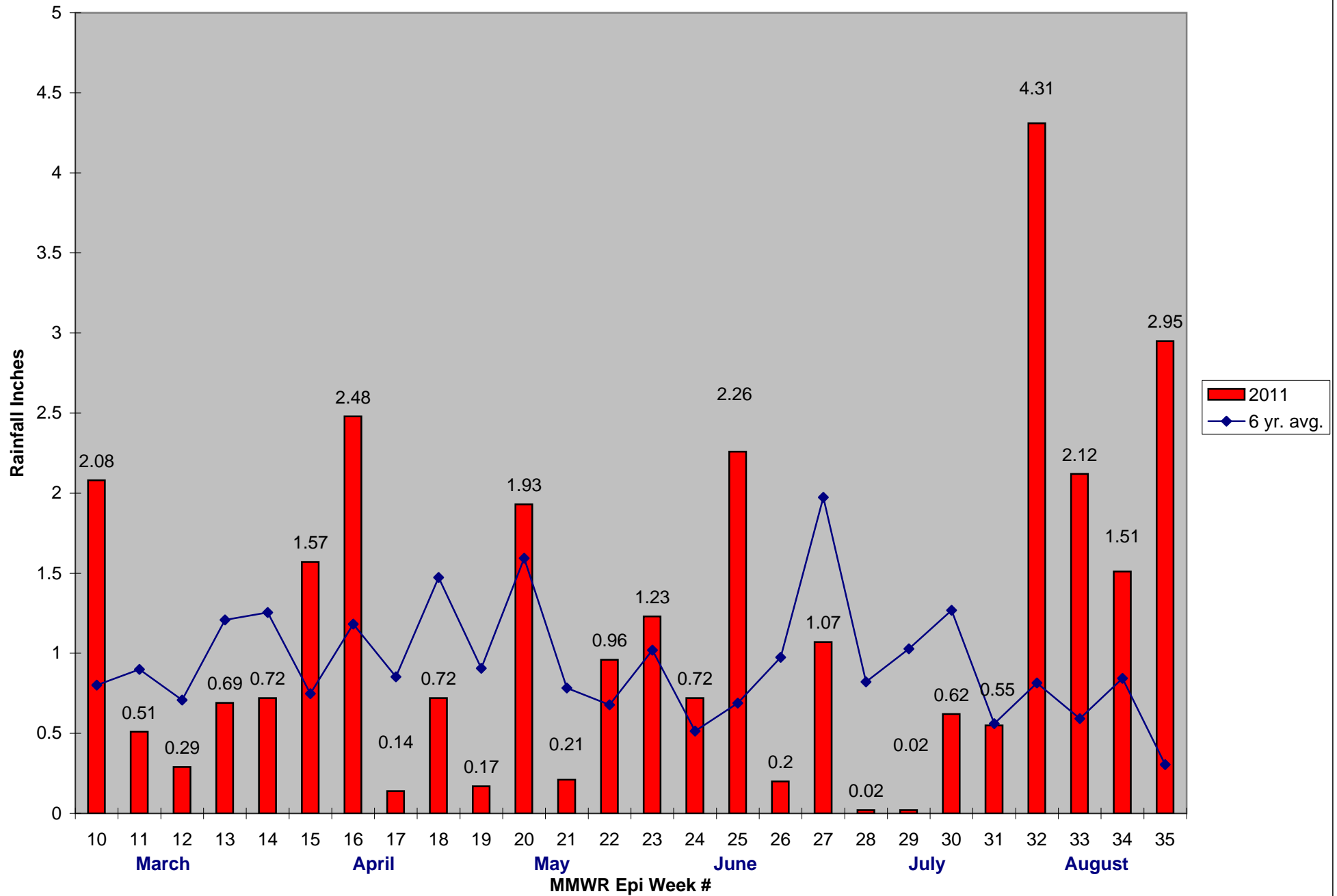
The predominant mosquito for the week was *Culex* spp.
followed by *Culiseta melanura*.

2011 Mass. Rainfall Data vs. 31 Year Average*



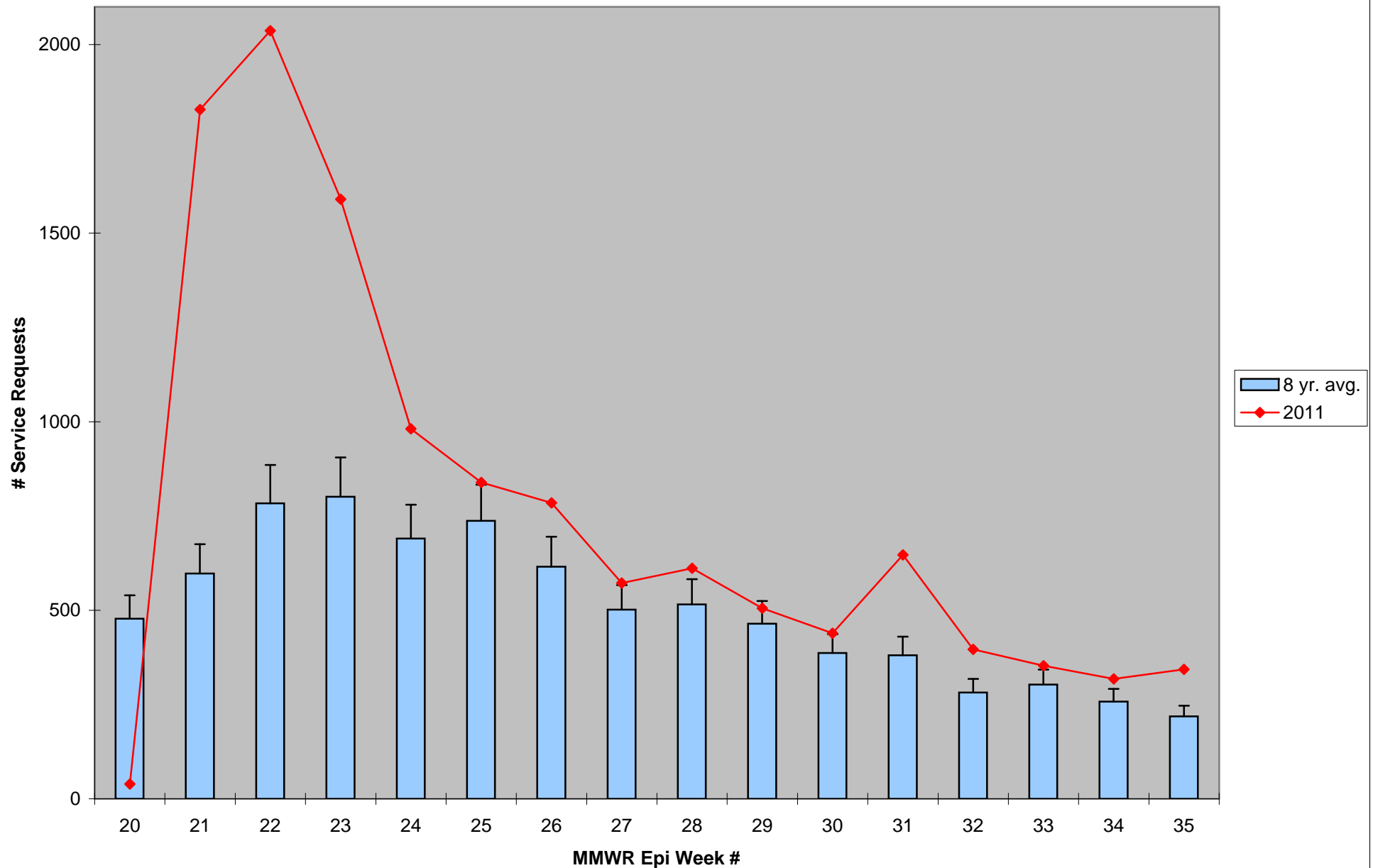
*Source: Northeast Regional Climate Center: http://www.nrcc.cornell.edu/page_summaries.html

2011 CMMCP Weekly Rainfall vs. 6 Year Average*



*Source: CMMCP Weather Station - Northborough, MA

ULV Service Request History Comparison 2003-2011



Error bars show approx. number of requests if we had 39 cities and towns over the 8 year average

2011 Rainfall vs. Requests

