

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #35
Aug. 28 – Sept. 3, 2011

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Central Mass. Mosquito Control Project
Weekly Report- 8/28/11-9/3/11
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	48	222	134	60	872	2169
Total Specimens	532	6577	801	352	23850	35489
No. Pools WNV +	0	0	0	0	15 [†]	15 [†]
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

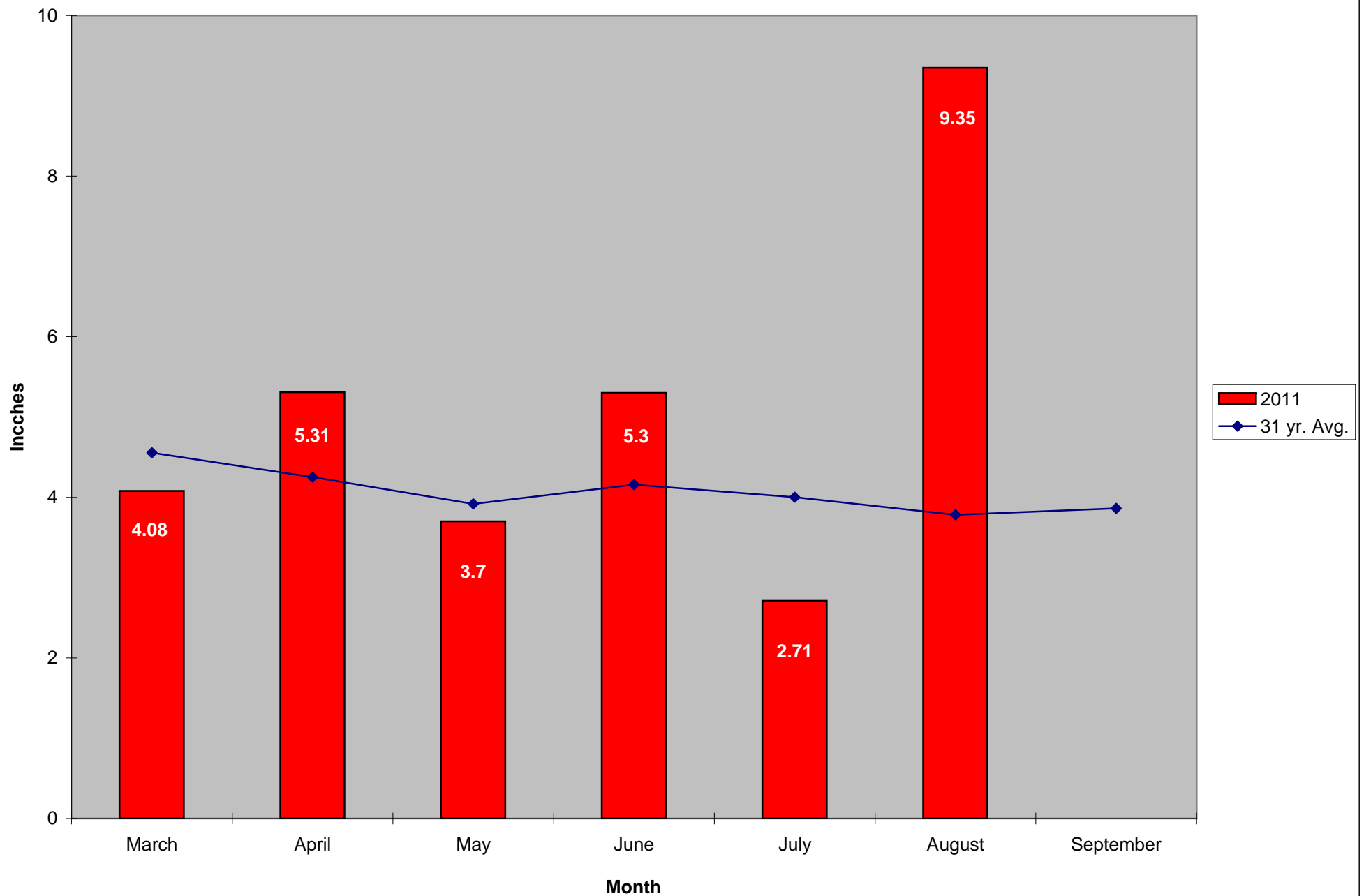
Weather Summary (Northborough, MA): The weather for this particular week averaged 67.83°F with a recorded high temperature of 85.0°F and a recorded low temperature of only 53.0°F. For this week there was also a total of 2.95 inches of rain observed. Compared to the previous week, it was approximately 2.60°F cooler on average, and rained about 1.44 inches more. There has been 11.44 inches of rain accumulated in August, while the total rainfall for the month of July was 1.73 inches. For the year we have received 54% more requests than average; 12,341 requests to date compared to the 8 year average of 8,012. Requests were 26% more than the 2010 totals, 12,341 in 2011 against 9,777 in 2010. Service requests **increased 7%** from EPI week 33 to Epi week 34 for 2011 (343 vs. 318).

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-19.30%	+411.1%	Westborough
<i>Coquillettidia perturbans</i>	-90.00%	-93.60%	Westborough, Boxborough
<i>Culiseta melanura</i>	+24.00%	+520.0%	Westborough, Holliston
<i>Ochlerotatus canadensis</i>	+ ∞	+ ∞	Westborough
<i>Culex</i> Species	-35.98%	+71.20%	Shrewsbury, Auburn, Uxbridge
All Species	-21.00%	+17.42%	Westborough, Auburn

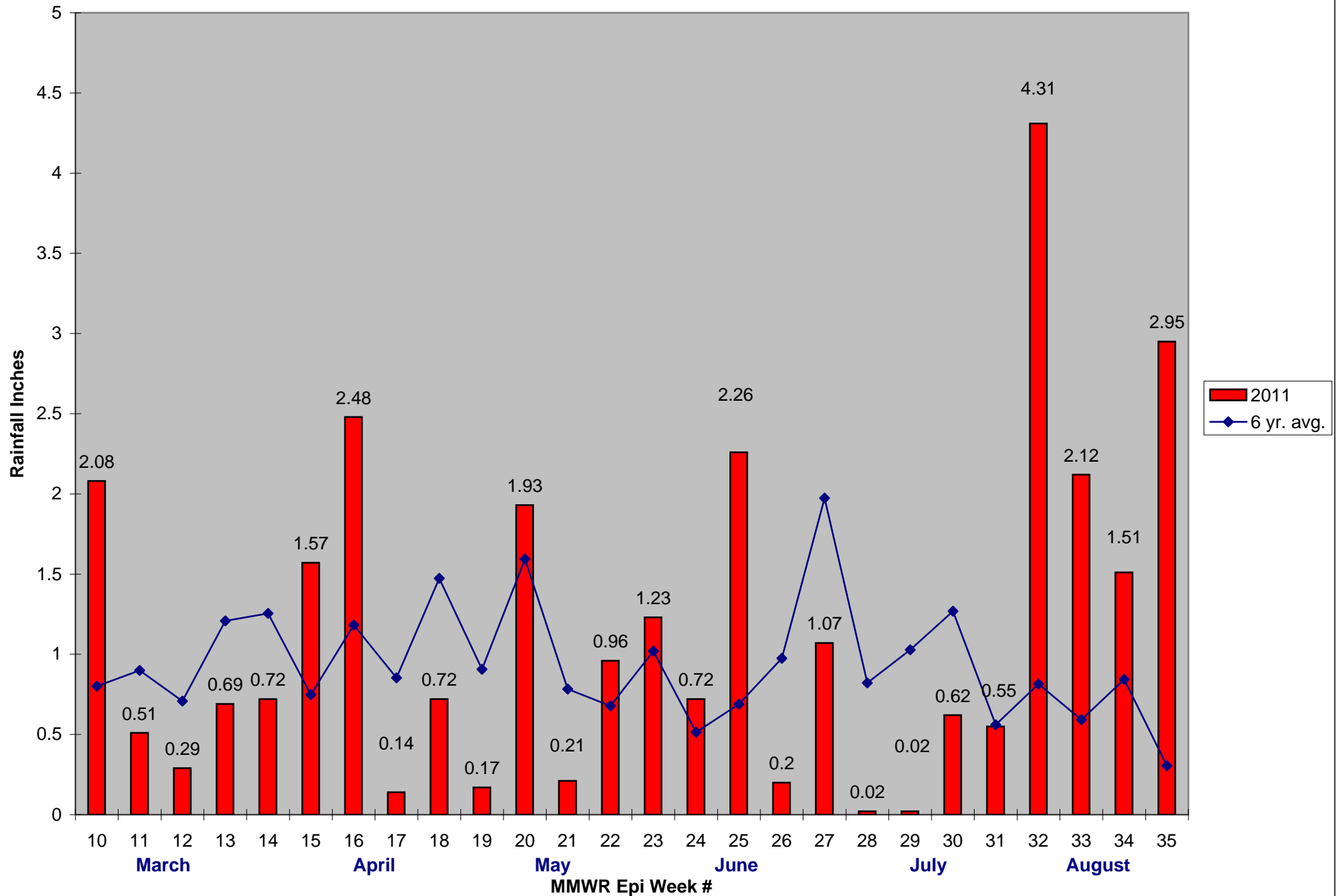
The predominant mosquito for the week was *Culex* spp.

2011 Mass. Rainfall Data vs. 31 Year Average*



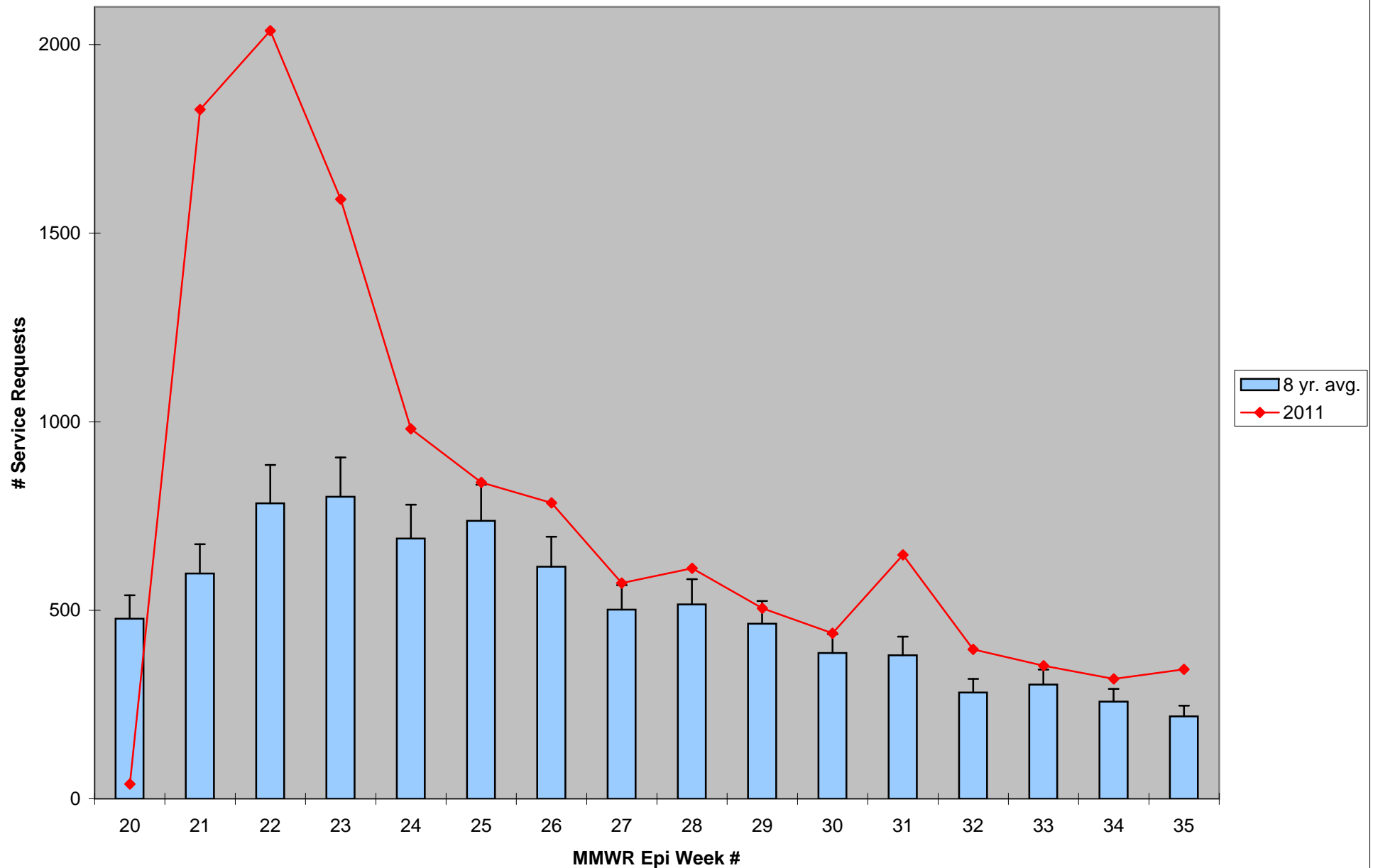
*Source: Northeast Regional Climate Center: http://www.nrcc.cornell.edu/page_summaries.html

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

