

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #34
Aug. 21 - 27, 2011

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Central Mass. Mosquito Control Project
Weekly Report- 8/21/11-8/27/11
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	33	217	123	54	824	1993
Total Specimens	290	6569	770	333	23375	34386
No. Pools WNV +	0	0	0	0	12 [†]	12 [†]
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

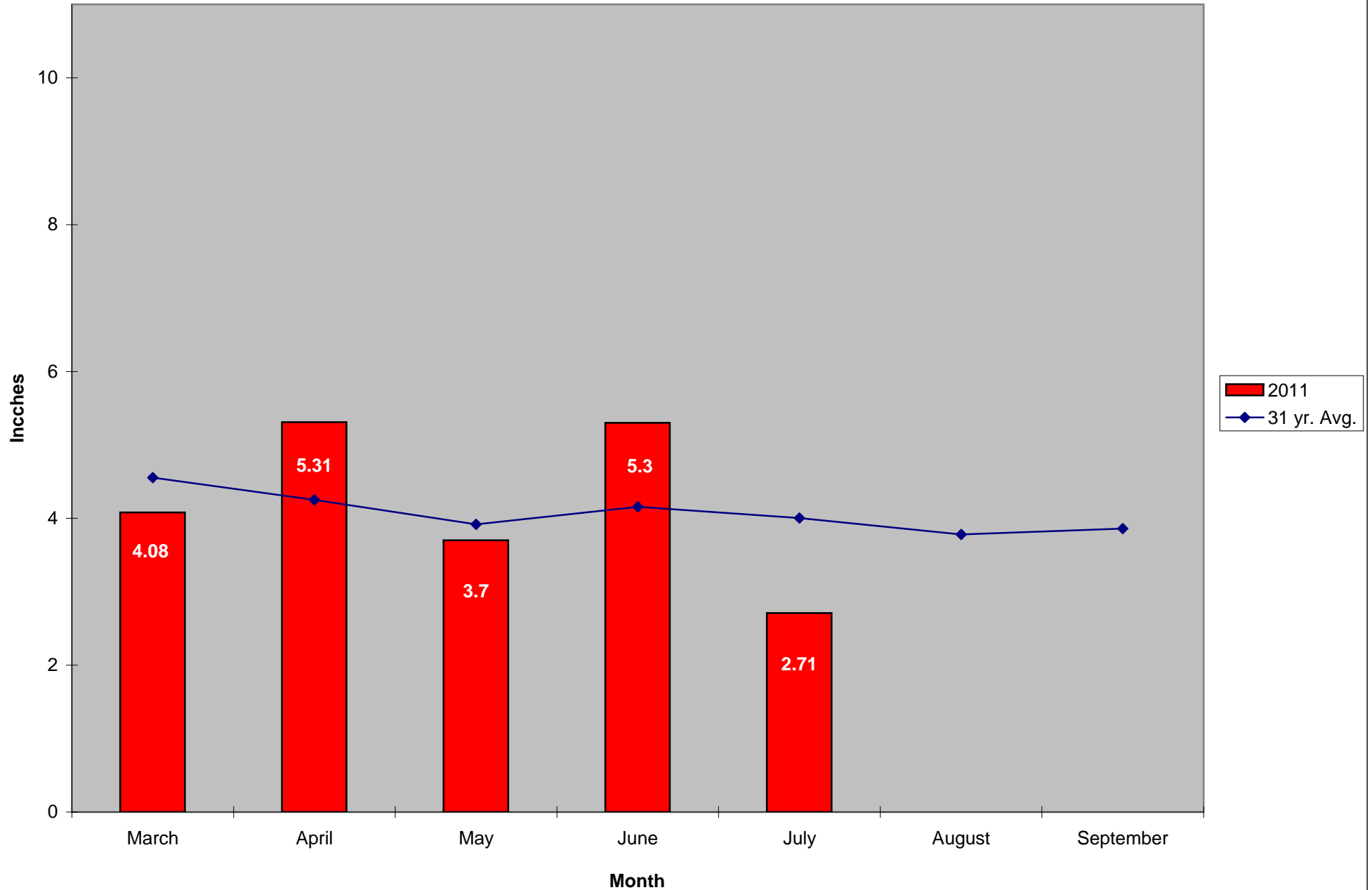
Weather Summary (Northborough, MA): The weather for this particular week averaged 70.43°F with a recorded high temperature of 85.3°F and a recorded low temperature of only 53.2°F. For this week there was also a total of 1.51 inches of rain observed. Compared to the previous week, it was approximately 0.30°F warmer on average, and rained about 0.61 inches less. There has been 8.49 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; 11,998 requests to date compared to the 8 year average of 7,794. Requests were 26% more than the 2010 totals, 11,998 in 2011 against 9,543 in 2010. Service requests **decreased 11%** from EPI week 33 to Epi week 34 for 2011 (318 vs. 353).

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	+5600%	+338.5%	Wilmington, Millbury, Webster
<i>Coquillettidia perturbans</i>	-44.44%	-24.53%	Sturbridge, Lunenburg
<i>Culiseta melanura</i>	-80.62%	+38.89%	Hopkinton
<i>Ochlerotatus canadensis</i>	-100.0%	00.00%	N/A
<i>Culex</i> Species	-18.00%	+146.0%	Auburn, Clinton
All Species	-22.52%	+51.95%	Auburn

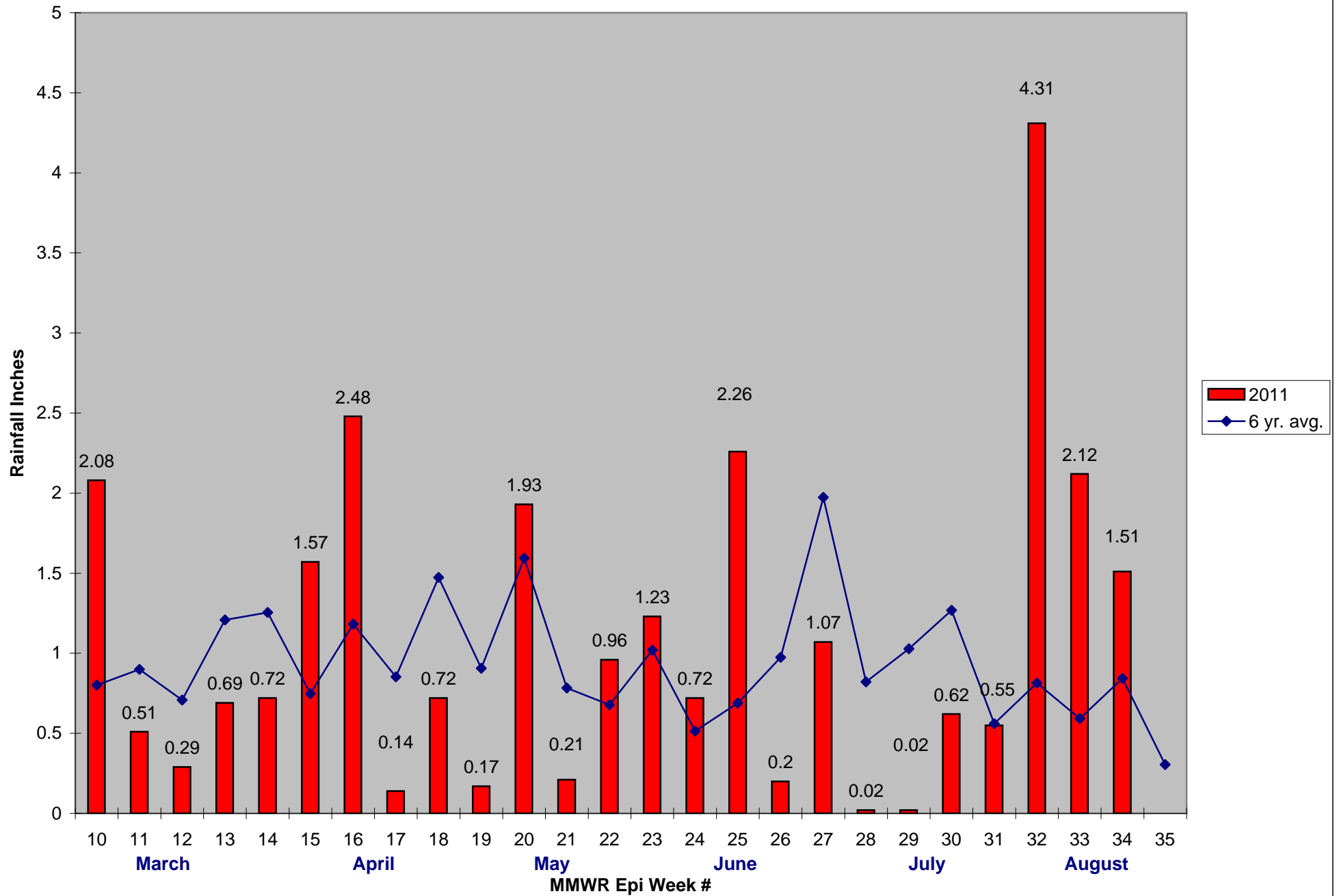
The predominant mosquito for the week was *Culex* spp.

2011 Mass. Rainfall Data vs. 31 Year Average*



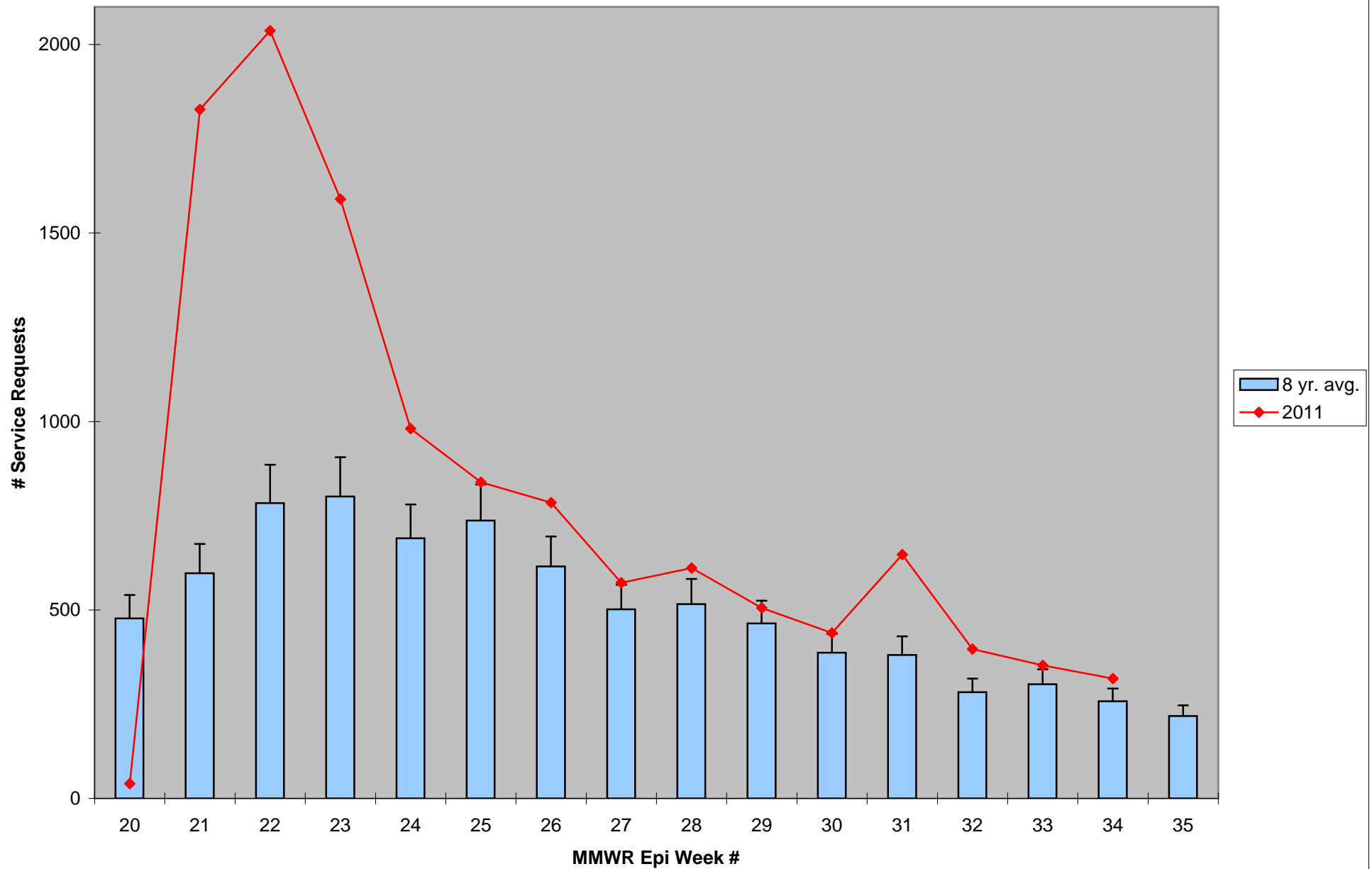
*Source: Northeast Regional Climate Center: http://www.nrcc.cornell.edu/page_summaries.html

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

