

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #25
Jun. 19 – 25, 2011

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Central Mass. Mosquito Control Project
Weekly Report- 6/19/11-6/25/11
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	4	41	29	27	193	469
Total Specimens	8	289	225	222	4337	5750
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 64.96°F with a recorded high temperature of 85.70°F and a recorded low temperature of only 49.50°F. For this week there was also a total of 2.26 inches of rain observed. Compared to the previous week, it was approximately 1.12°F warmer on average, and rained about 1.54 inches more. There has been 5.14 inches of rain accumulated in June, while the total rainfall for the month of May was 3.06 inches. For the year we have received 80% more requests than average; 7,314 requests to date compared to the 8 year average of 4,087. Requests were 22% more than the 2010 totals; 7,314 in 2011 against 6,000 in 2010.

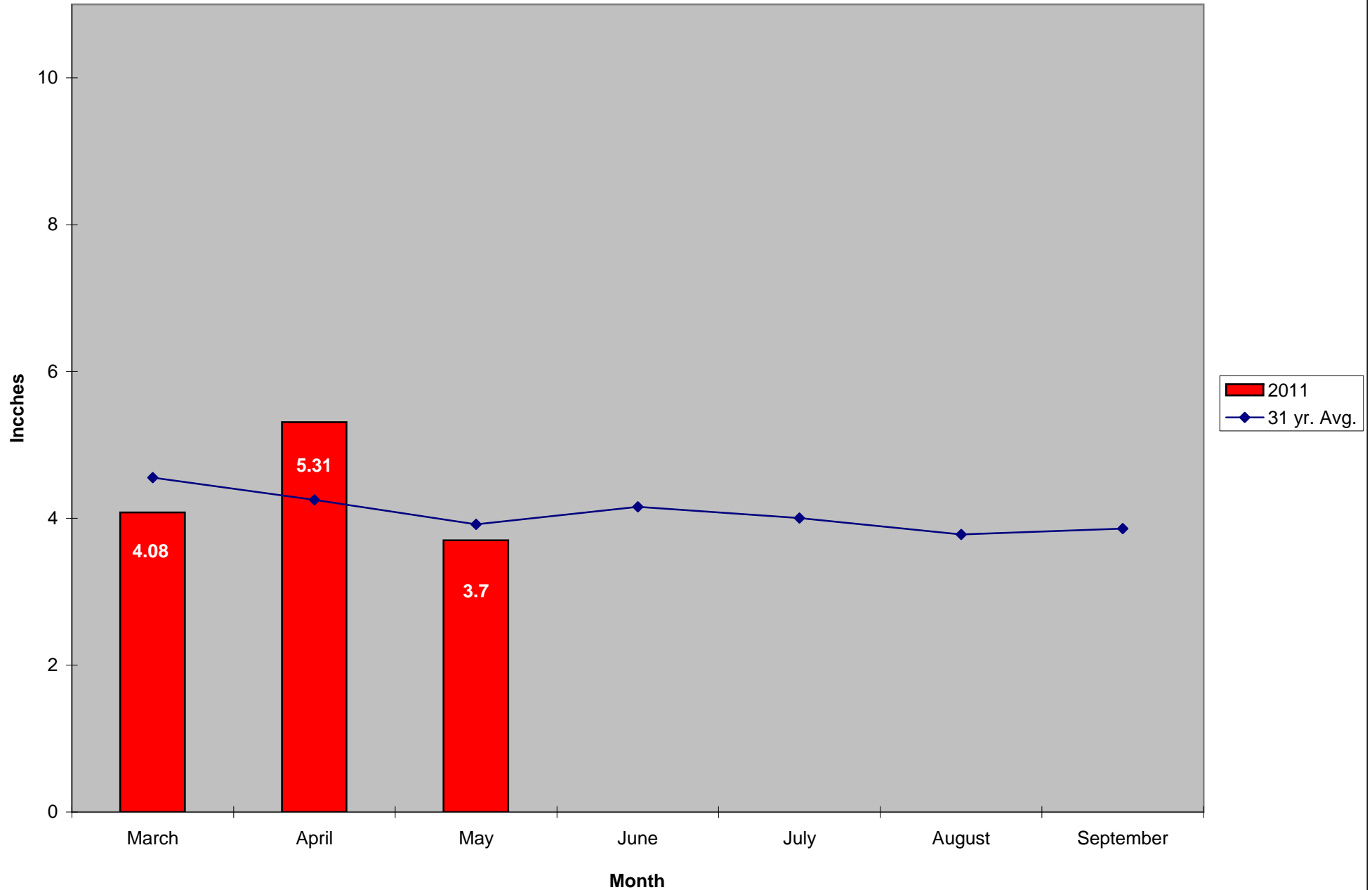
CMMCP Mosquito Summary*-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-100.0%	0.00%	N/A
<i>Coquillettidia perturbans</i>	-15.22%	-88.77%	Westborough
<i>Culiseta melanura</i>	-87.02%	-76.06%	Westborough
<i>Ochlerotatus canadensis</i>	-76.67%	-80.00%	Hopkinton, Stow
<i>Culex</i> Species	+491.4%	+181.9%	Marlborough, Southborough, Hudson
All Species	+133.8%	-5.87%	Marlborough, Southborough, Hudson

The predominant mosquito for the week was *Culex* spp.
followed by *Coquillettidia perturbans*.

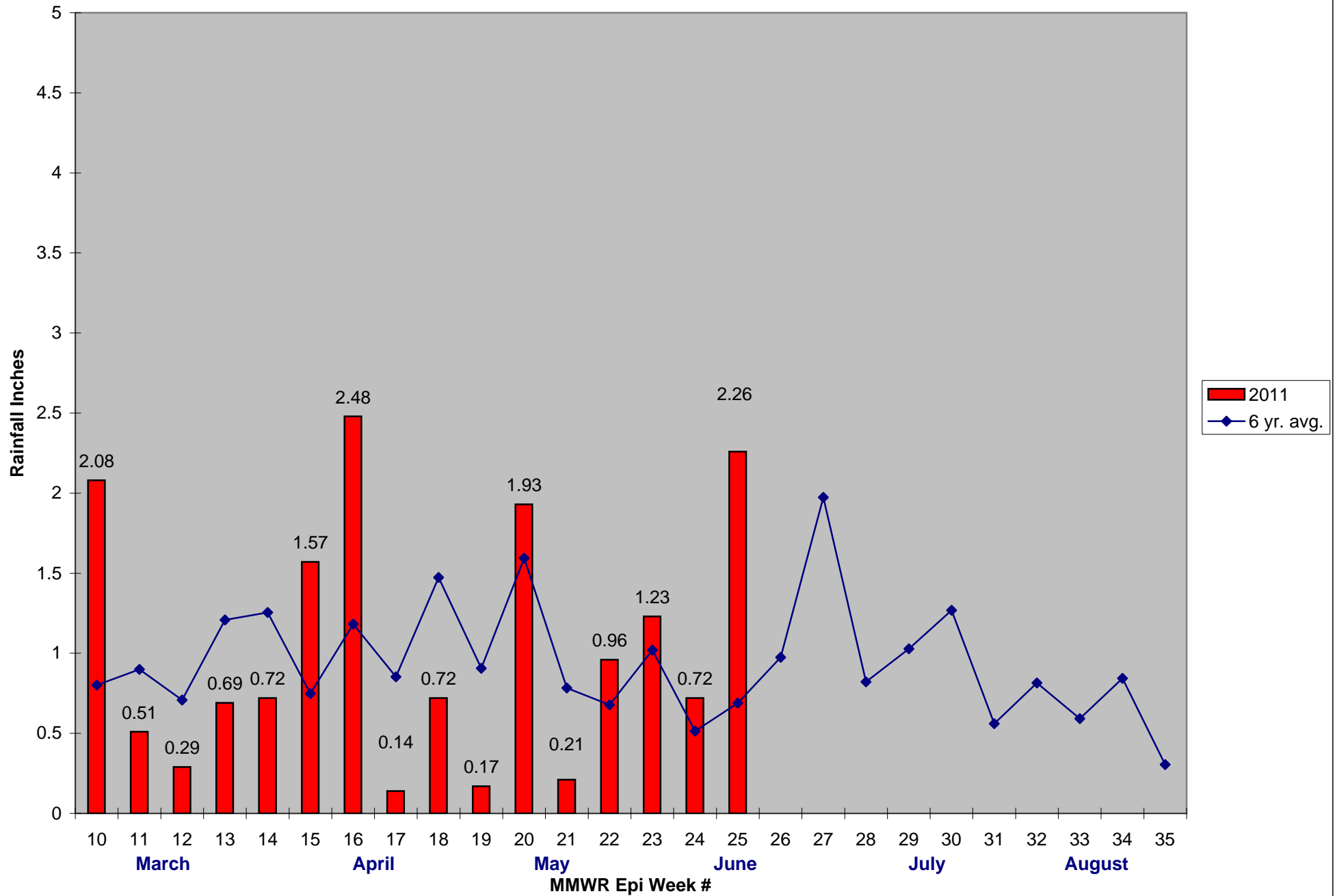
*Low early season numbers may contribute to these comparisons being not as significant as they appear

2011 Mass. Rainfall Data vs. 31 Year Average*



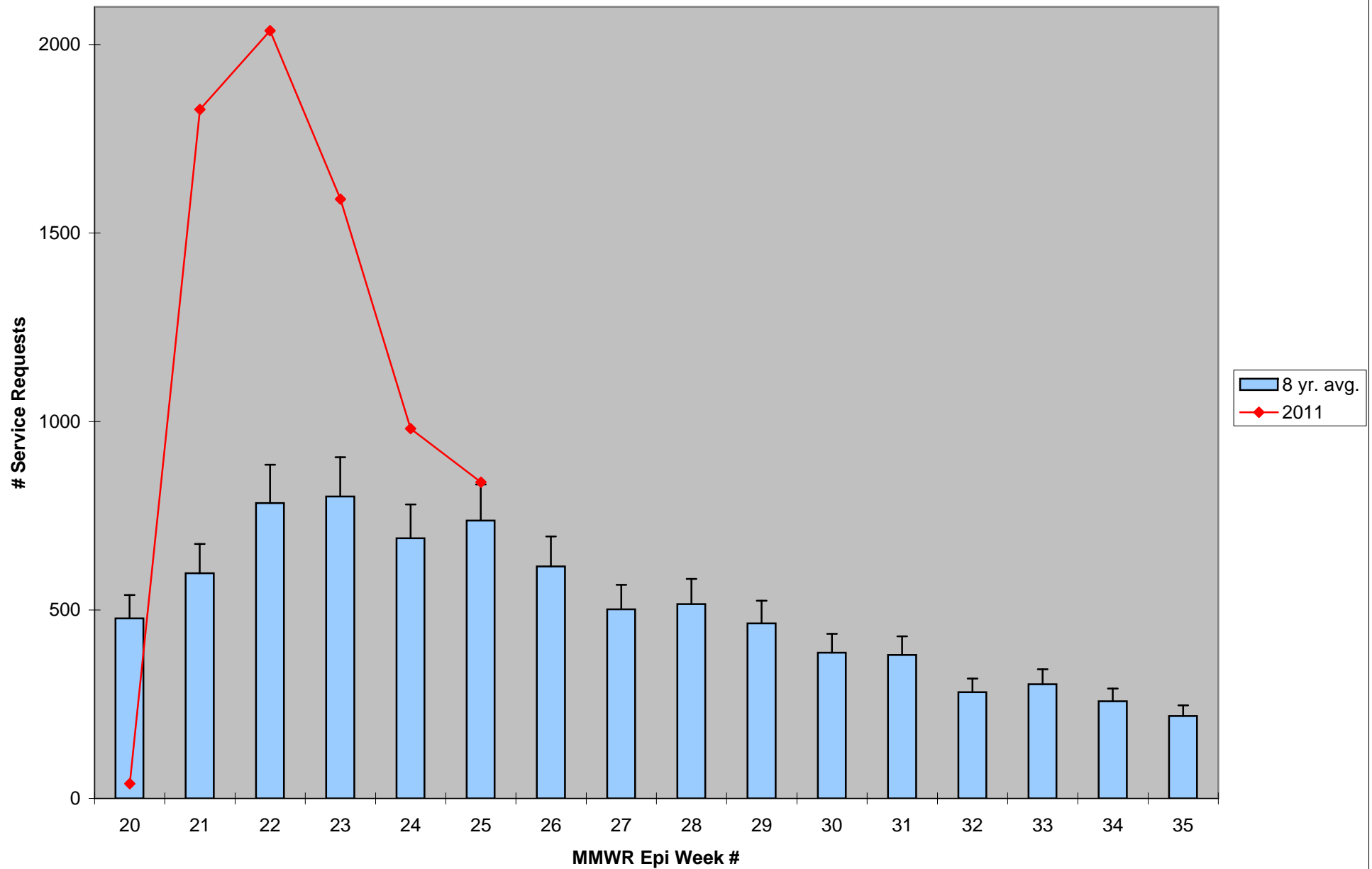
*Source: Northeast Regional Climate Center: http://www.nrcc.cornell.edu/page_summaries.html

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 38 cities and towns over the 7 year average

2011 Rainfall vs. Requests

2011 Rainfall vs. Requests

