

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #31
Aug. 1 – 7, 2010

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Central Mass. Mosquito Control Project
Weekly Report- 8/1/10-8/7/10
EPI 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	19	185	142	71	509	1719
Total Specimens	61	6855	600	410	5825	16573
No. Pools WNV +	0	0	0	0	1	1
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex* Species collected in Berlin on 7/29/10

Weather Summary (Northborough, MA): The weather for this particular week averaged 73.47°F with a recorded high temperature of 91.8°F and a recorded low temperature of only 53.5°F. For this week there was a total of 0.05 inches of rain observed. Compared to the previous week, it was approximately 0.16°F cooler on average, and rained 0.03 inches more. July finished with 1.48 inches of rain, while the total rainfall for the month of June was 3.54 inches. Requests for spraying totaled 489 this week, 34% more than the 7 year average of 365 for EPI week #31. This is about even from EPI week #30. For the year we have received 34% more requests; 8,898 requests to date compared to the 7 year average of 6,672.

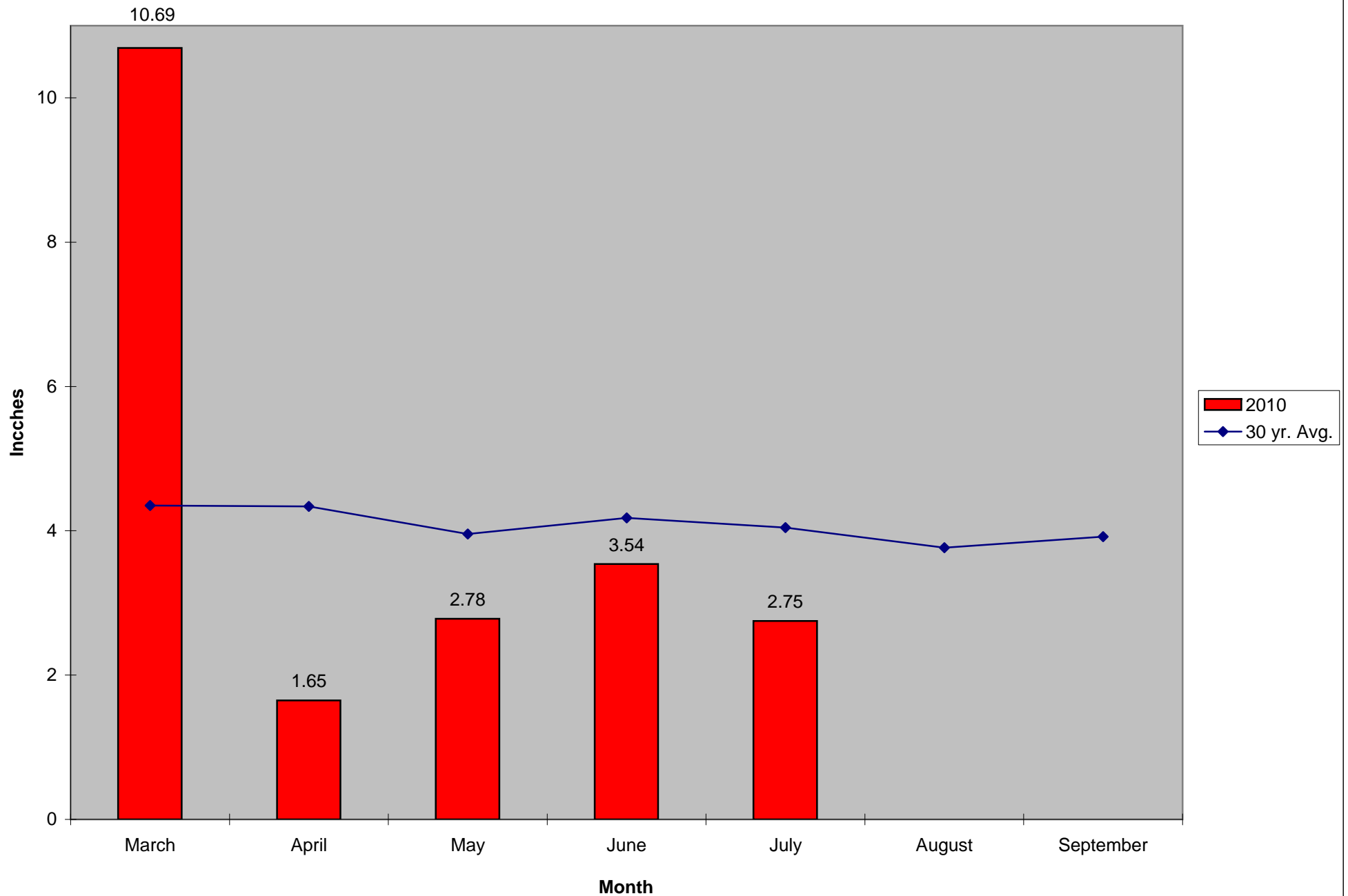
CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-66.66%	-98.25%	Fitchburg
<i>Coquillettidia perturbans</i>	-31.65%	-60.05%	Stow, Littleton
<i>Culiseta melanura</i>	+400.0%*	-88.24%	Holliston
<i>Ochlerotatus canadensis</i>	-100.0%	-100.0%	N/A
<i>Culex</i> Species	+137.6%	-47.07%	Shrewsbury, Northbridge, Auburn
All Species	+31.34%	-58.33%	Shrewsbury, Northbridge, Stow

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

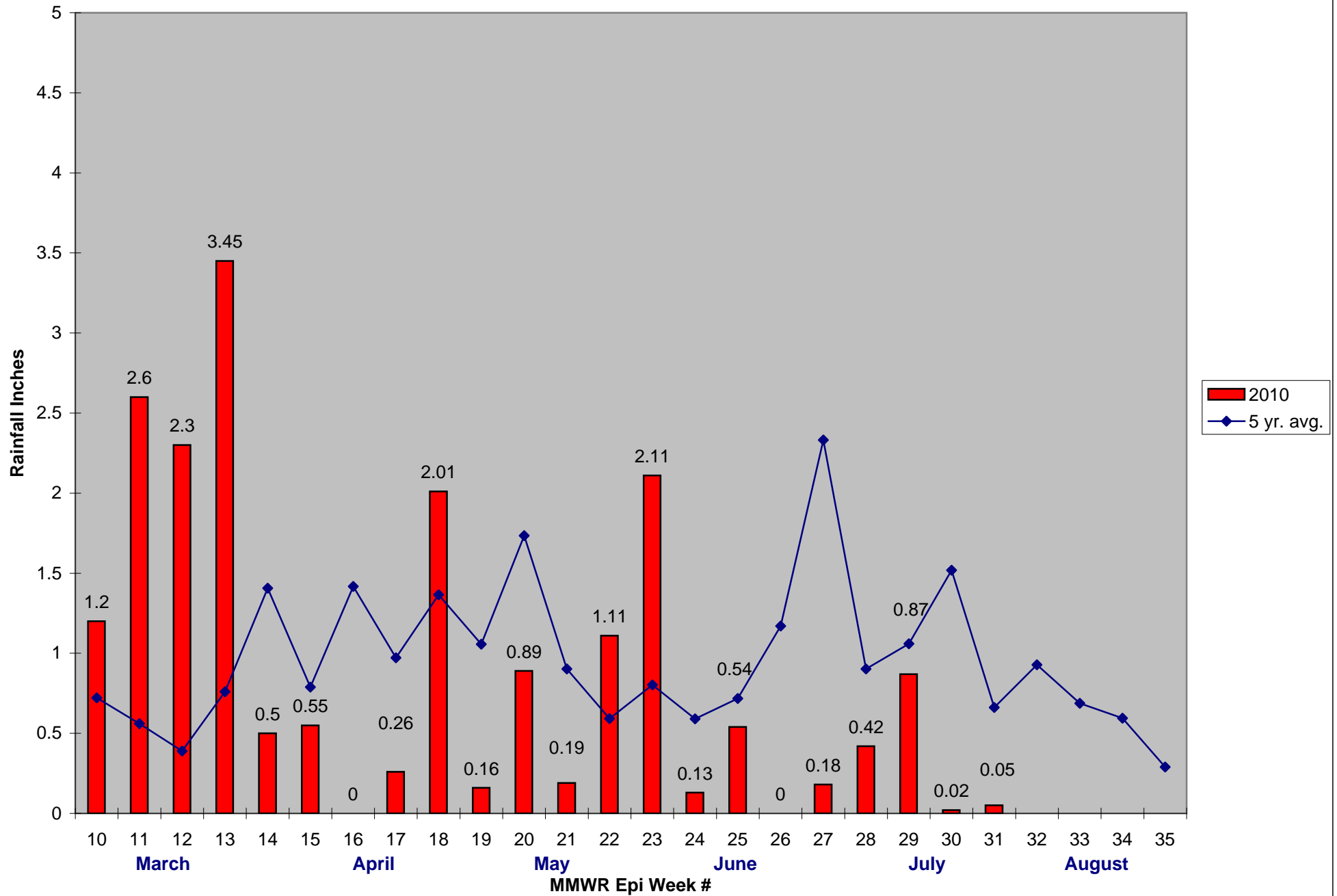
*Single digit specimens collected

2010 Mass. Rainfall Data vs. 30 Year Average*



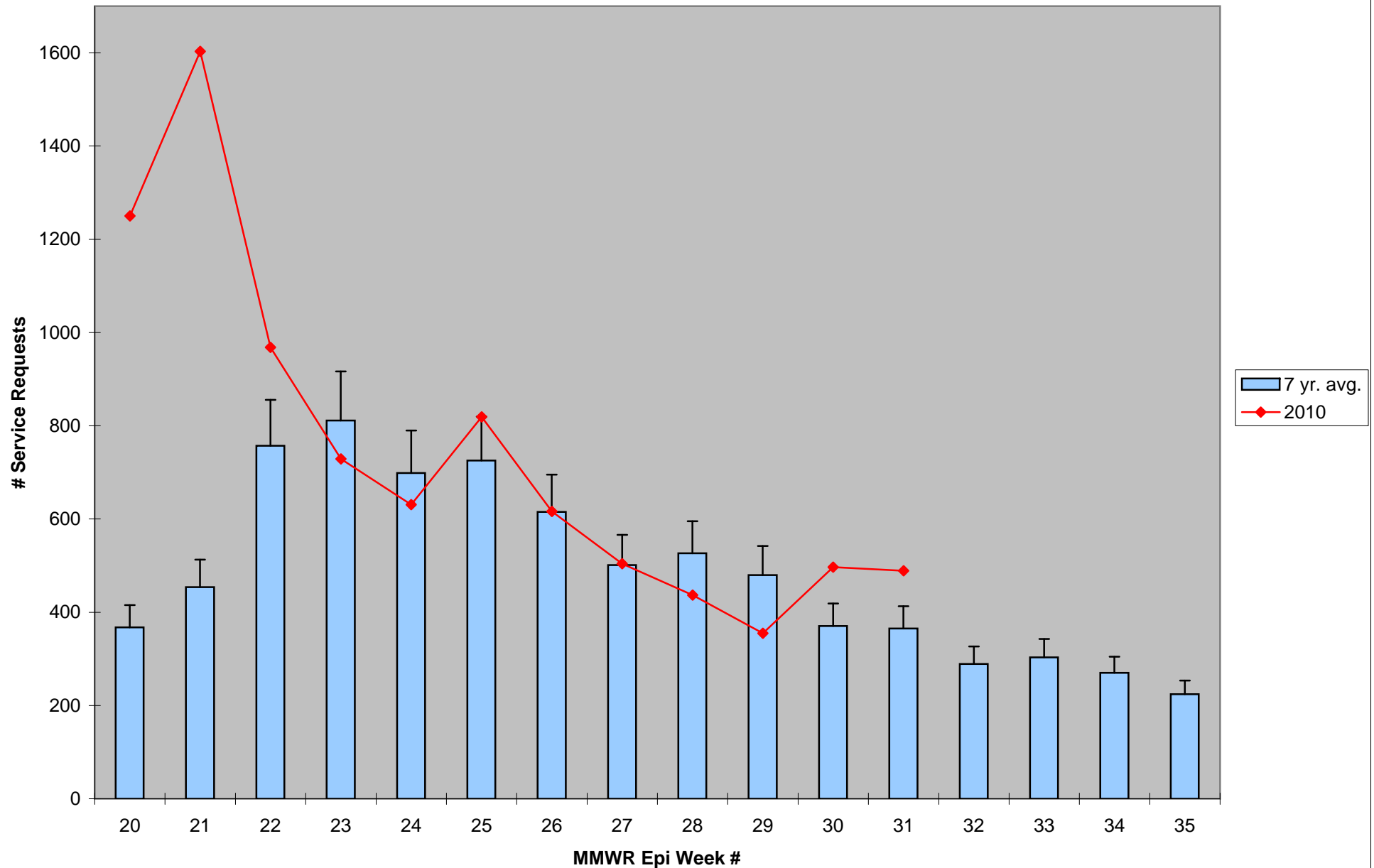
*Source: Northeast Regional Climate Center: http://www.nrcc.cornell.edu/page_summaries.html

2010 CMMCP Weekly Rainfall vs. 5 Year Average*



*Source: CMMCP Weather Station - Northborough, MA

ULV Service Request History Comparison 2003-2010



Error bars show approx. number of requests if we had 38 cities and towns over the 7 year average

2010 Rainfall vs. Requests

