

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #35
Aug. 30 – Sep. 5, 2009

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Central Mass. Mosquito Control Project
Weekly Report- 8/30/09-9/5/09
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	101	253	229	157	740	2925
Total Specimens	696	10553	1435	784	13066	33169
No. Pools WNV +	0	0	0	0	2*	2*
No. Pools EEE +	0	0	0	0	0	0

*Pool of WNV+ *Culex* Species collected in Westborough on 8/4/09

*Pool of WNV+ *Culex* Species collected in Westford on 8/6/09

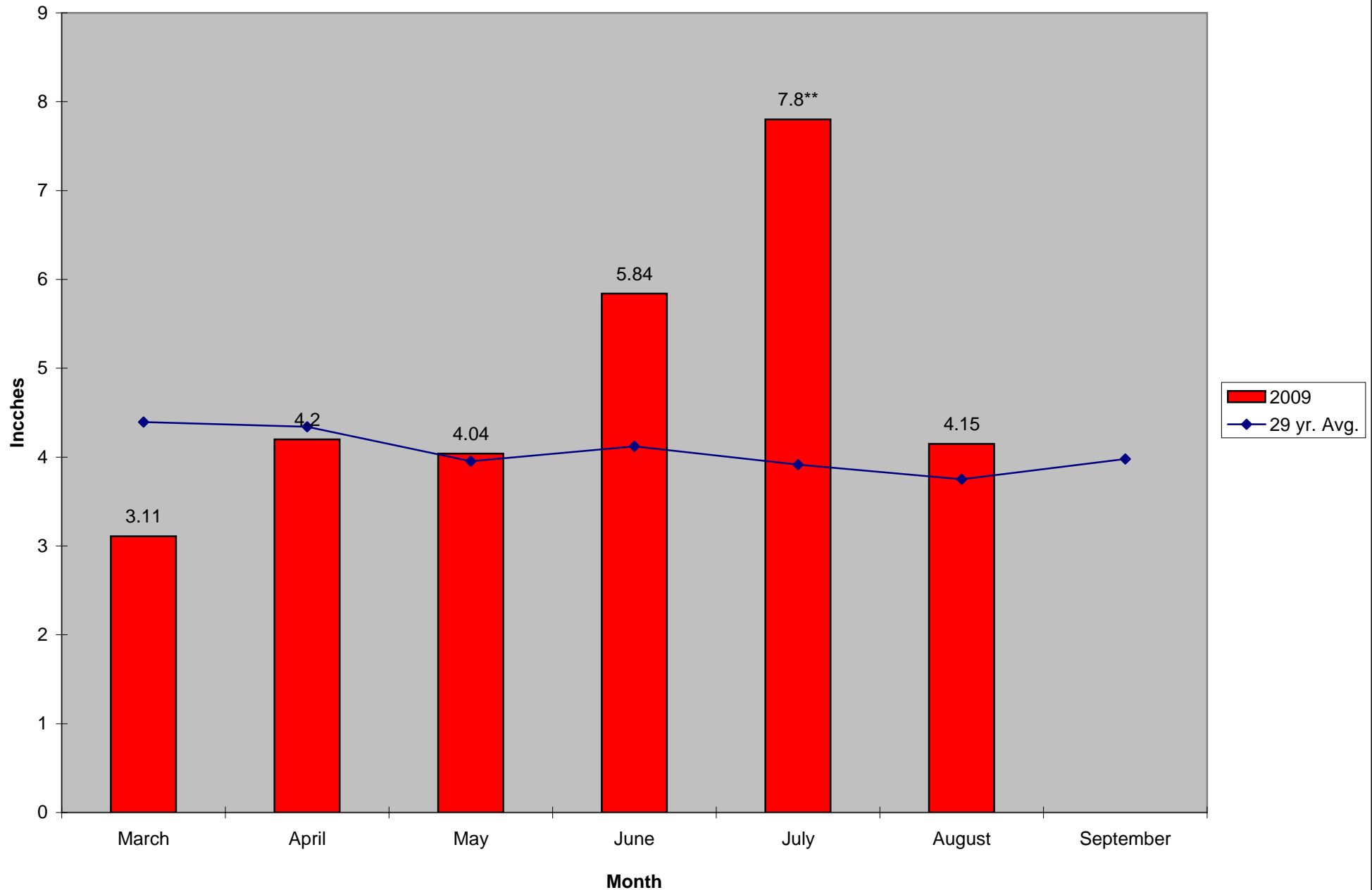
Weather Summary (Northborough, MA): The weather for this particular week averaged 64.57°F with a recorded high temperature of 84°F and a recorded low temperature of only 46°F. For this week there was only .03 inches of rain observed, with September comprising .02 inches to date (CMMCP/Northborough). Compared to the previous week, it was approximately 4.66°F cooler on average, and rained about 2.06 inches less. The total statewide rainfall for the month of August was 4.15" (CMMCP/Northborough 3.75"). Requests for spraying totaled 189 this week, 22% below the 6 year average of 230 for EPI week #35. This is a 235% decrease from EPI week #34. For the year we have received 96% more requests; 13,614 requests to date compared to the 6 year average of 6,926.

CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-75.00%	-67.65%	Northborough
<i>Coquillettidia perturbans</i>	-91.88%	-80.30%	Boxborough, Hopkinton, Littleton
<i>Culiseta melanura</i>	-25.00%	+275.0%	Holliston, Westborough, Acton
<i>Ochlerotatus canadensis</i>	-66.67%	-70.59%	Hopkinton
<i>Culex</i> Species	-18.95%	-18.47%	Shrewsbury, Northborough
All Species	-26.95%	+9.580%	Shrewsbury, Webster, Hopedale

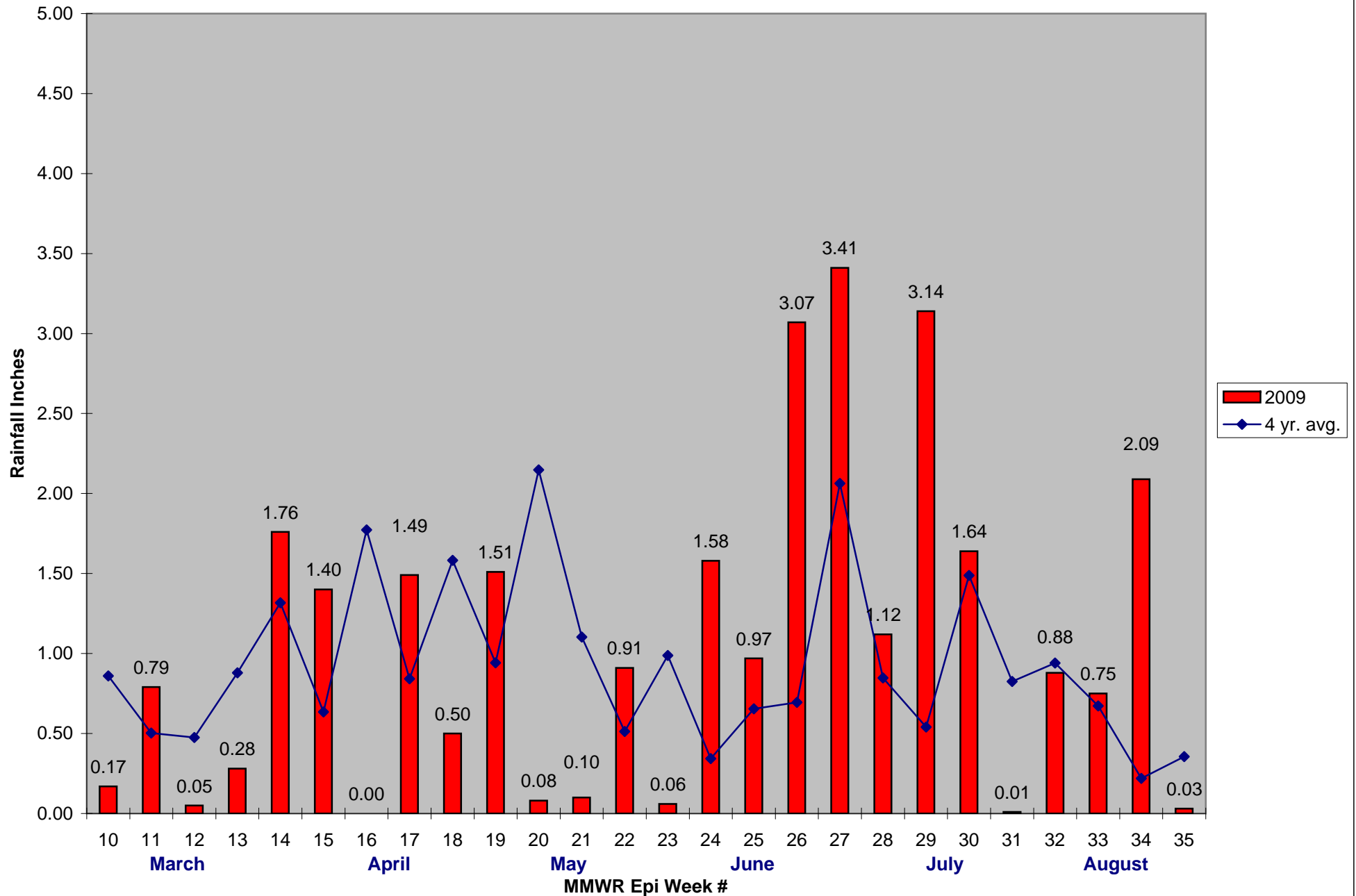
Culex Species was the
predominant mosquito for the week.

2009 Mass. Rainfall Data vs. 29 Year Average*



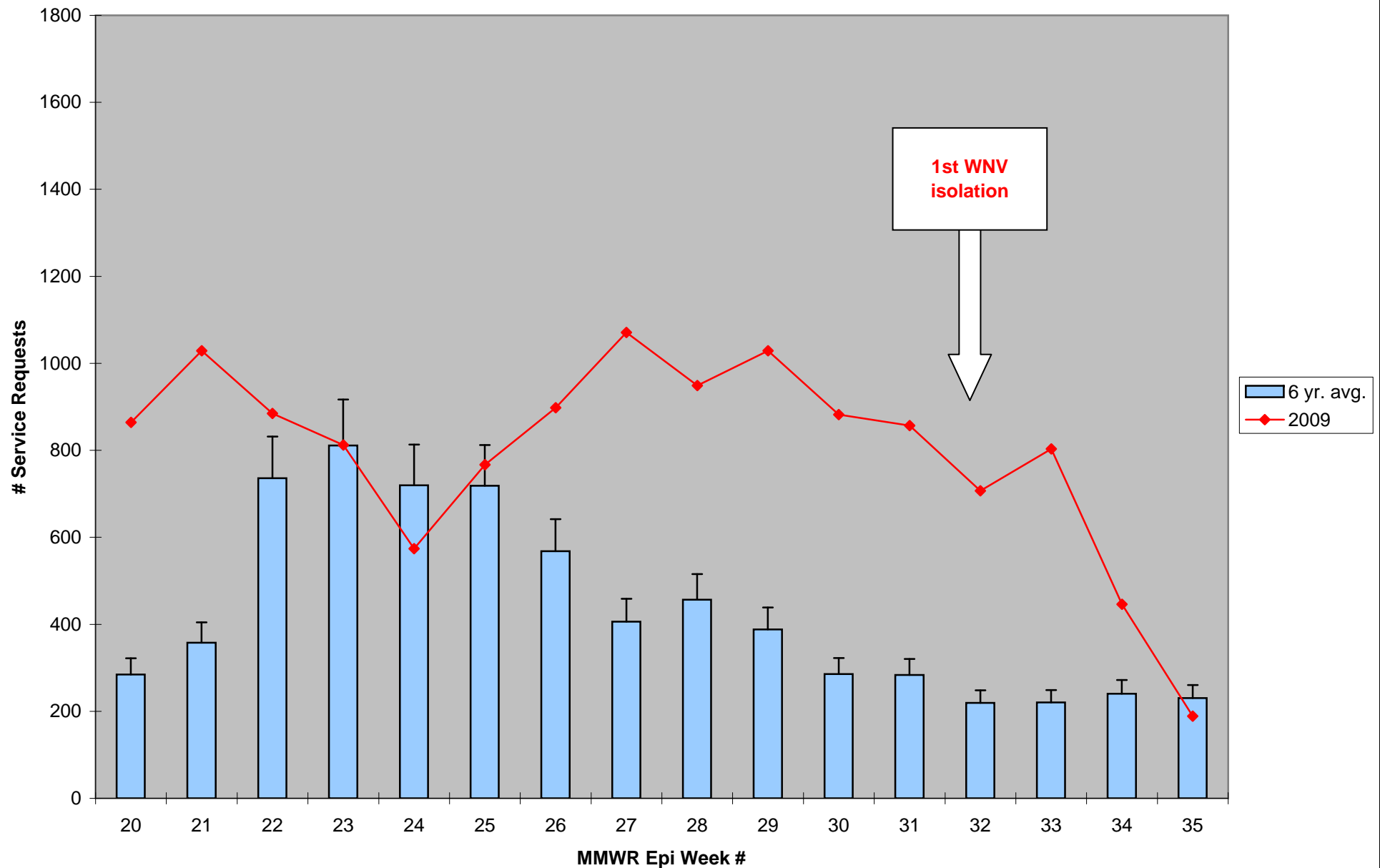
***some areas in Central Mass. saw in excess of 12" of rain*

2009 CMMCP Weekly Rainfall vs. 4 Year Average*



*Source: CMMCP Weather Station - Northborough, MA

ULV Service Request History Comparison 2003-2009



Error bars show approx. number of requests if we had 38 cities and towns over the 6 year average