

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #34
Aug. 23 – Aug. 29, 2009

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**Central Mass. Mosquito Control Project
Weekly Report- 8/23/09-8/29/09
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	94	243	210	152	690	2688
Total Specimens	685	10540	1381	778	12409	31675
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 69.23°F with a recorded high temperature of 87.8°F and a recorded low temperature of only 54.1°F. For this week there was 2.09 inches of rain observed, with August comprising 3.74 inches to date (CMMCP/Northborough). Compared to the previous week, it was approximately 10.18°F cooler on average, and rained about 1.34 inches more. The total statewide rainfall for the month of July was 7.80" (CMMCP/Northborough 12.1"). Requests for spraying totaled 446 this week, 185% above the 6 year average of 241 for EPI week #34. This is a 80% decrease from EPI week #33. For the year we have received 87% more requests; 12,573 requests to date compared to the 6 year average of 6,696.

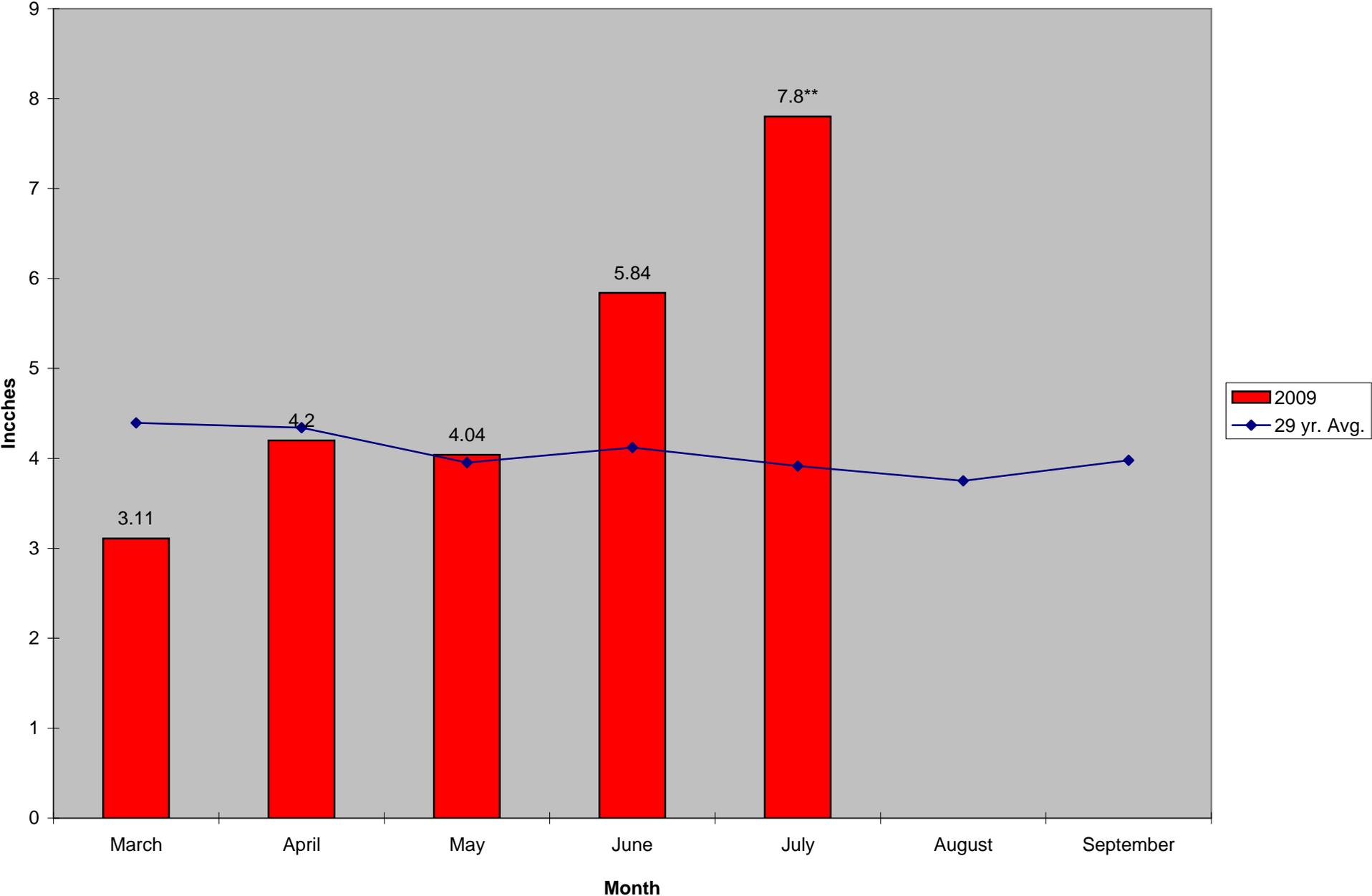
CMMCP Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
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<i>Aedes vexans</i>	+214.3%	+109.5%	Northbridge, Westborough
<i>Coquillettidia perturbans</i>	-29.52%	-41.61%	Tewksbury, Lunenburg
<i>Culiseta melanura</i>	+71.43%	+172.7%	Wilmington
<i>Ochlerotatus canadensis</i>	-58.33%	+50.00%	Millbury
<i>Culex</i> Species	-33.76%	+70.10%	Auburn, Tewksbury
All Species	-9.260%	+77.35%	Tewksbury, Ayer, Auburn

Culex Species followed by *Coquillettidia perturbans* were the predominant mosquito species for the week.

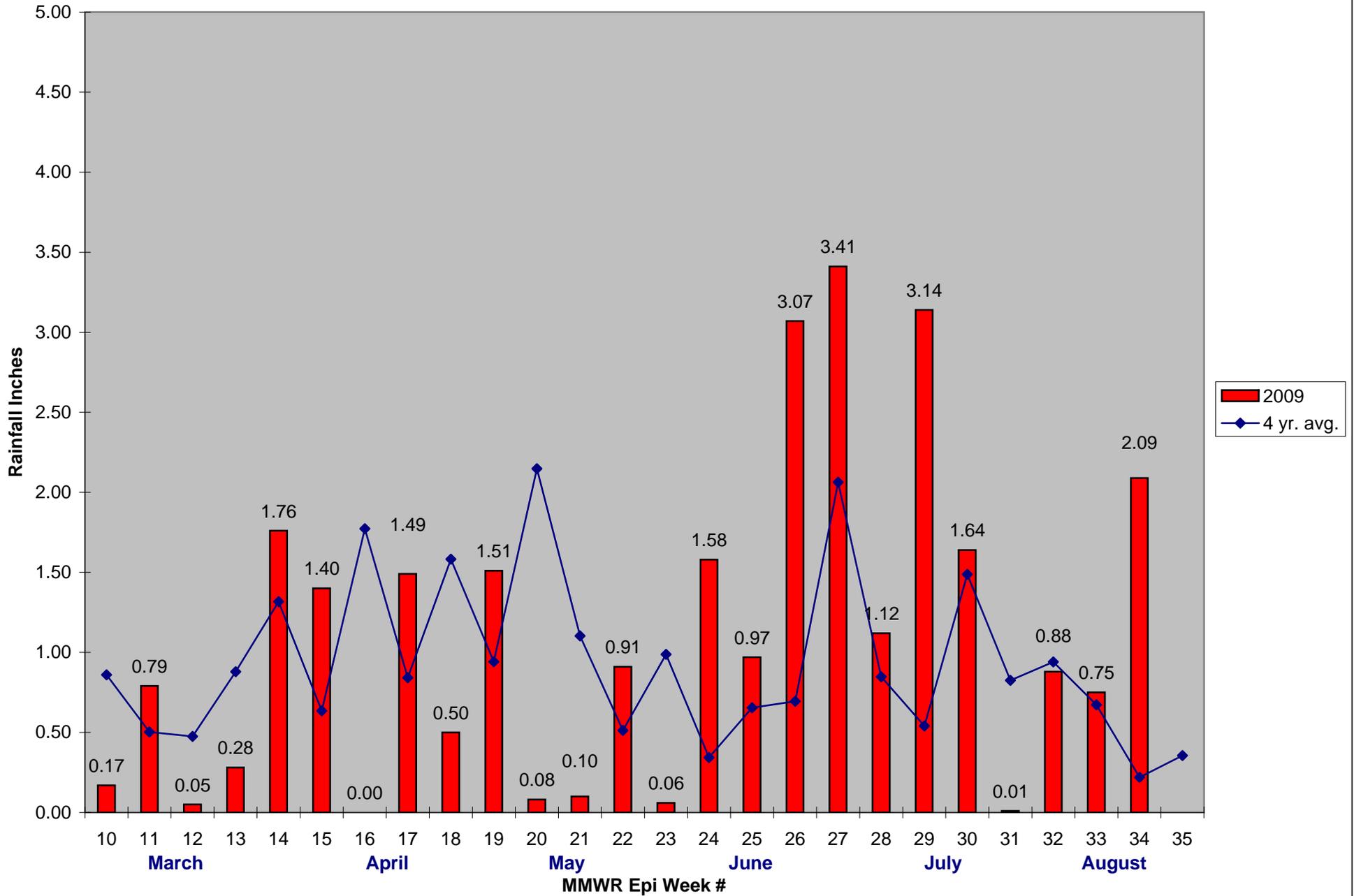
2009 Mass. Rainfall Data vs. 29 Year Average*



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

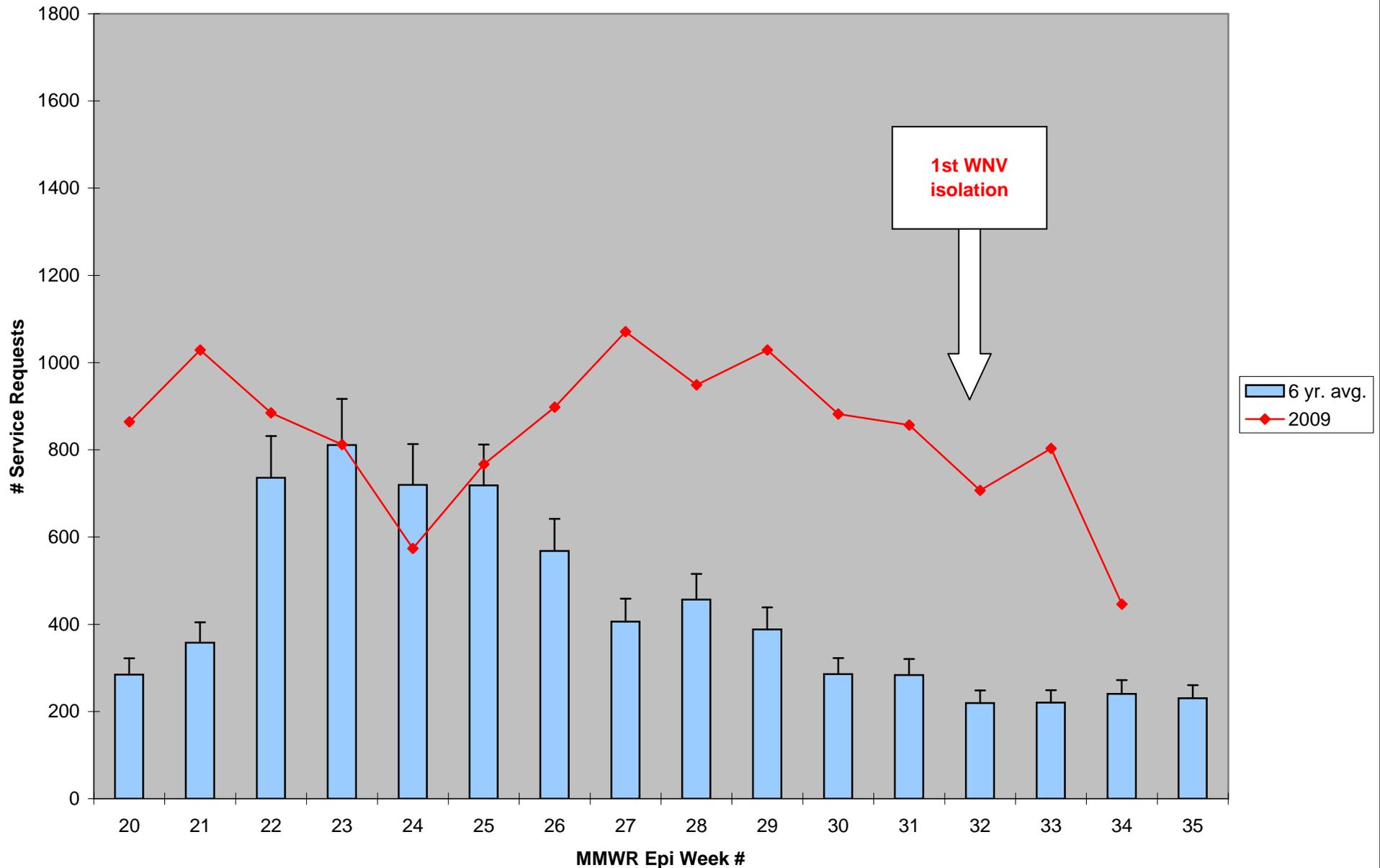
*Source: Northeast Regional Climate Center: http://www.nrcc.cornell.edu/page_summaries.html

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