

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #33
Aug. 16 – Aug. 22, 2009

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Central Mass. Mosquito Control Project
Weekly Report- 8/16/09-8/22/09
EPI Week #33

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	87	225	193	140	627	2381
Total Specimens	641	10379	1299	761	11565	29623
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

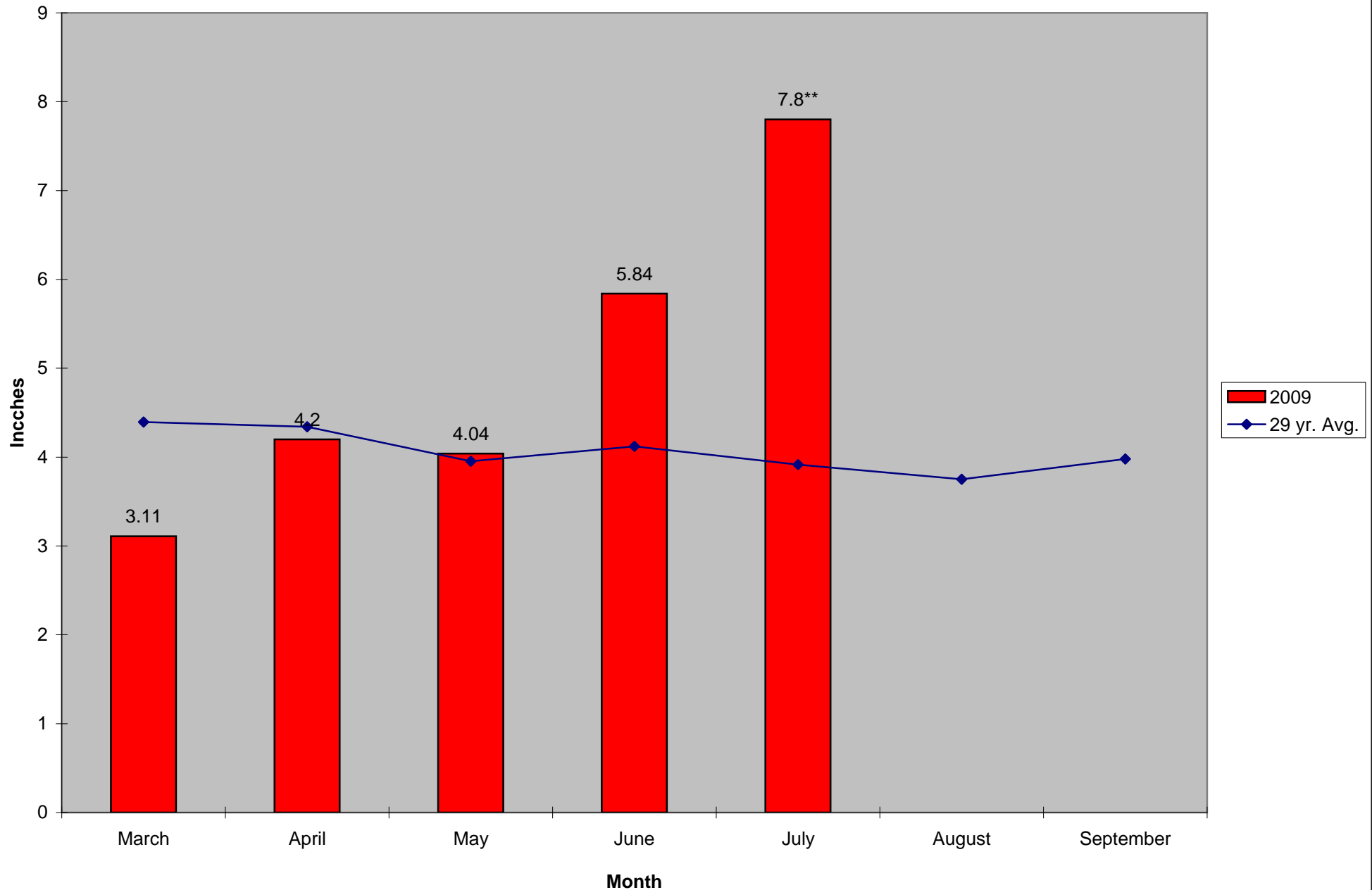
Weather Summary (Northborough, MA): The weather for this particular week averaged 79.41°F with a recorded high temperature of 92.9°F and a recorded low temperature of only 66.6°F. For this week there was only .75 inches of rain observed, with August comprising 1.65 inches to date (CMMCP/Northborough). Compared to the previous week, it was approximately 7.72°F warmer on average, and rained about 0.13 inches less. The total statewide rainfall for the month of July was 7.80" (CMMCP/Northborough 12.1"). Requests for spraying totaled 803 this week, 364% above the 6 year average of 220 for EPI week #33. This is a 13.5% increase from EPI week #32. For the year we have received 81.1% more requests; 12,127 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)
<i>Aedes vexans</i>	-79.71%	-74.55%	Westborough
<i>Coquilleltidia perturbans</i>	-63.09%	-36.24%	Hopkinton, Westborough
<i>Culiseta melanura</i>	-20.45%	-61.54%	Westborough, Hopkinton
<i>Ochlerotatus canadensis</i>	+50.00%	+111.7%	Westborough
<i>Culex</i> Species	-30.98%	+10.74%	Hopedale
All Species	-45.91%	-8.120%	Westborough, Hopedale, Hopkinton

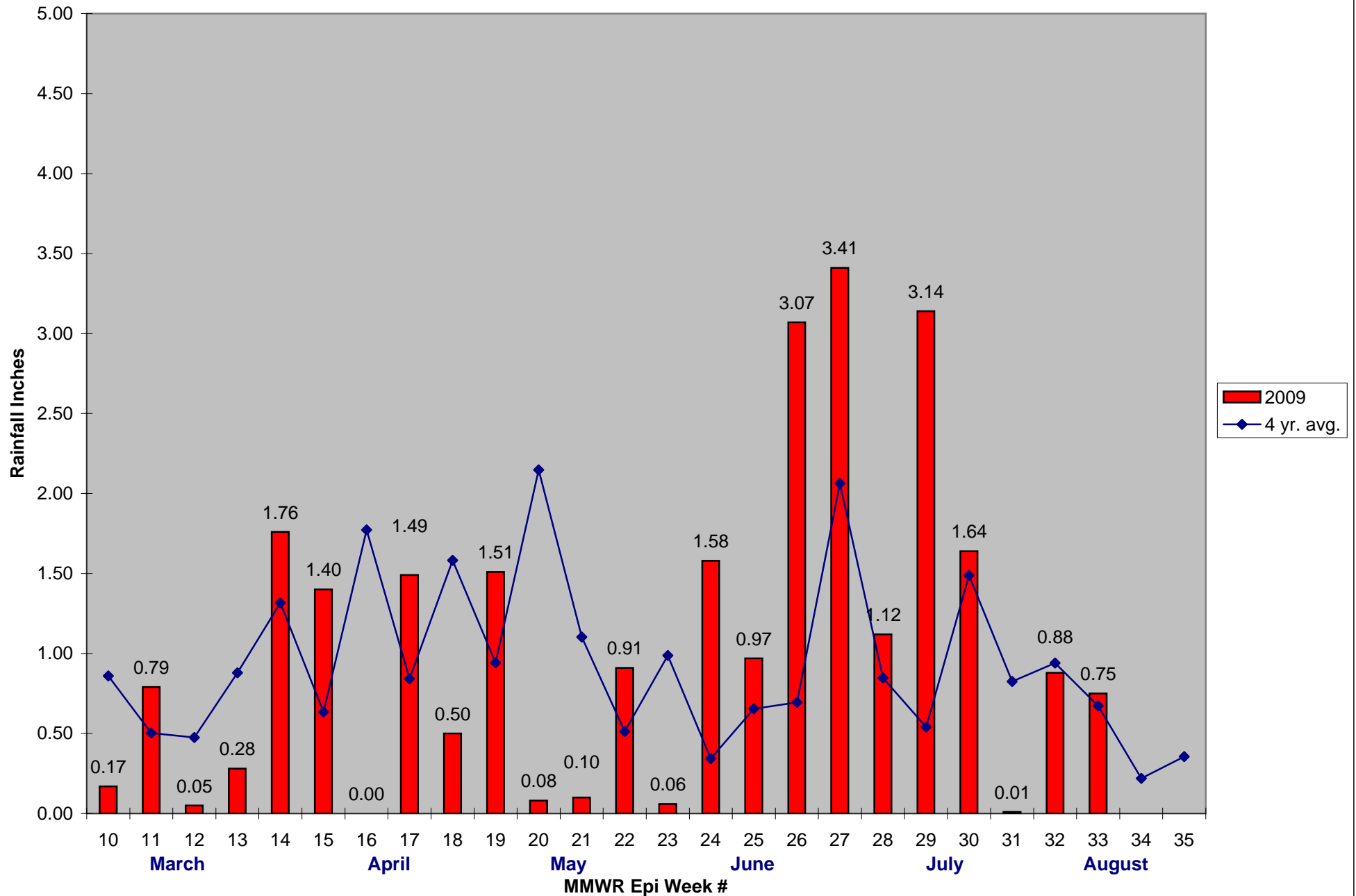
Culex Species followed by *Coquilleltidia perturbans* were the predominant mosquito species for the week.

2009 Mass. Rainfall Data vs. 29 Year Average*



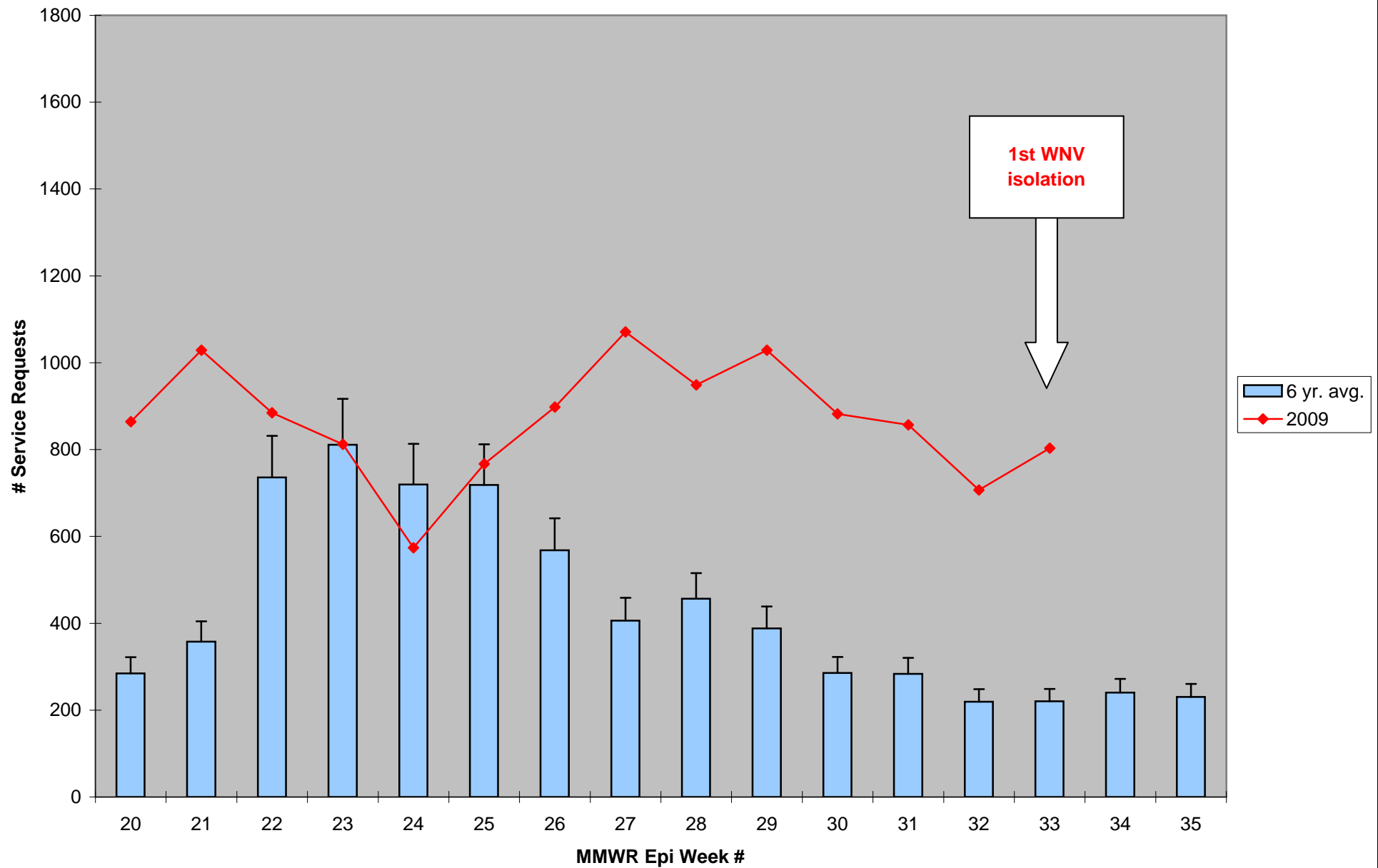
***some areas in Central Mass. saw in excess of 12" of rain*

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