CMMCP WEEKLY SURVEILLANCE REPORT

EPI week #32
Aug. 9 – Aug. 15, 2009

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Central Mass. Mosquito Control Project
Weekly Report- 8/9/09-8/15/09
EPI Week #32

Cumulative Surveillance Summary

Target Species	Ae. vex	Cq. per	Cs. mel	Oc. can	Culex	All Species
No. Pools	77	202	173	124	565	2087
Total Specimens	366	9937	1237	555	10280	26350
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 71.69°F with a recorded high temperature of 91.40°F and a recorded low temperature of only 53.80°F. For this week there was only .88 inches of rain observed, with August comprising .90 inches to date (CMMCP/Northborough). Compared to the previous week, it was approximately 0.88°F warmer on average, and rained about 0.87 inches more.   The total statewide rainfall for the month of July was 7.80" (CMMCP/Northborough 12.1"). Requests for spraying totaled 707 this week, 322% above the 6 year average of 220 for EPI week #32. This is a 21% decrease from EPI week #31. For the year we have received 81.6% more requests; 11,324 requests to date compared to the 6 year average of 6,235.
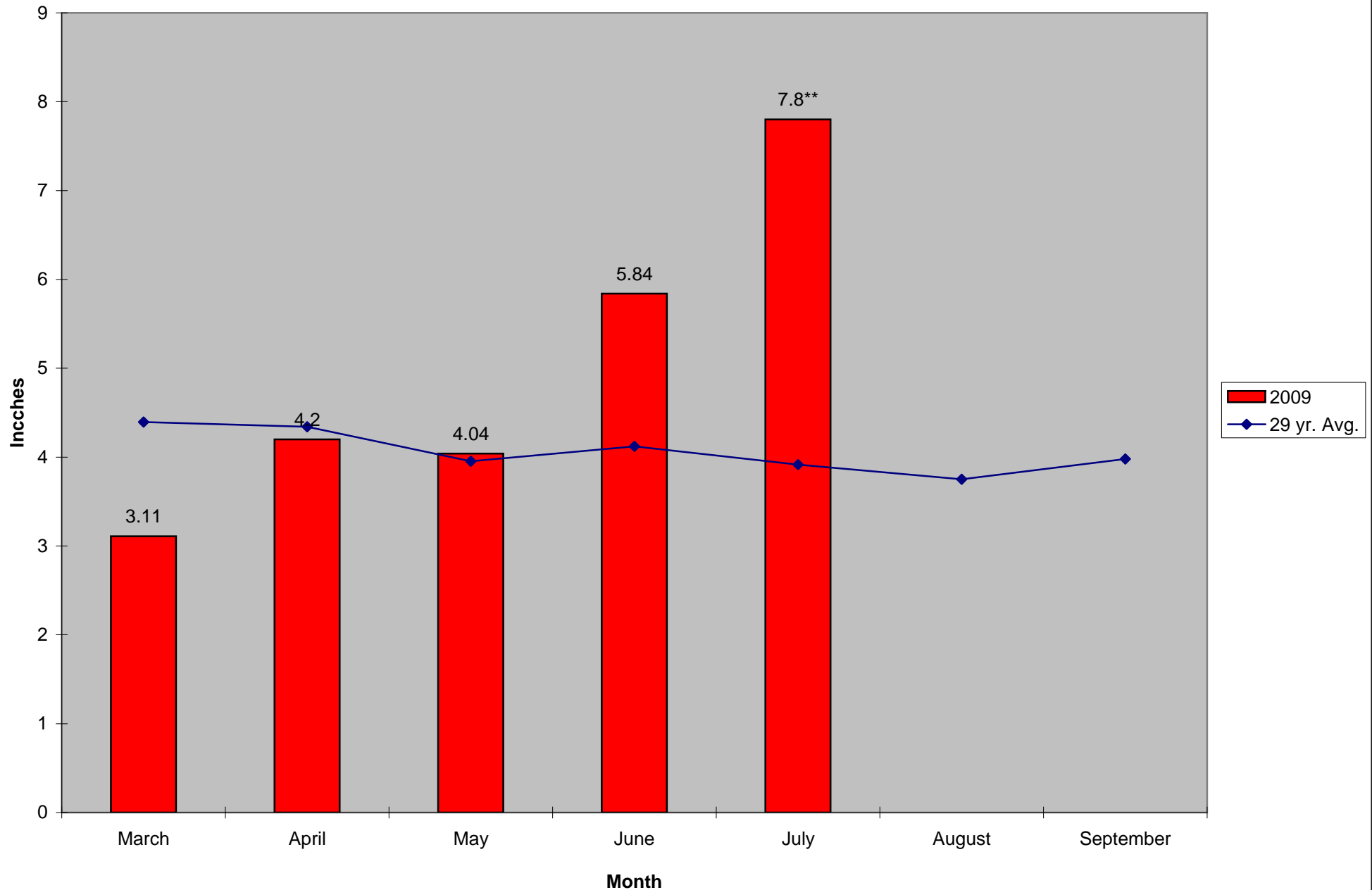
CMMCP Mosquito Summary-

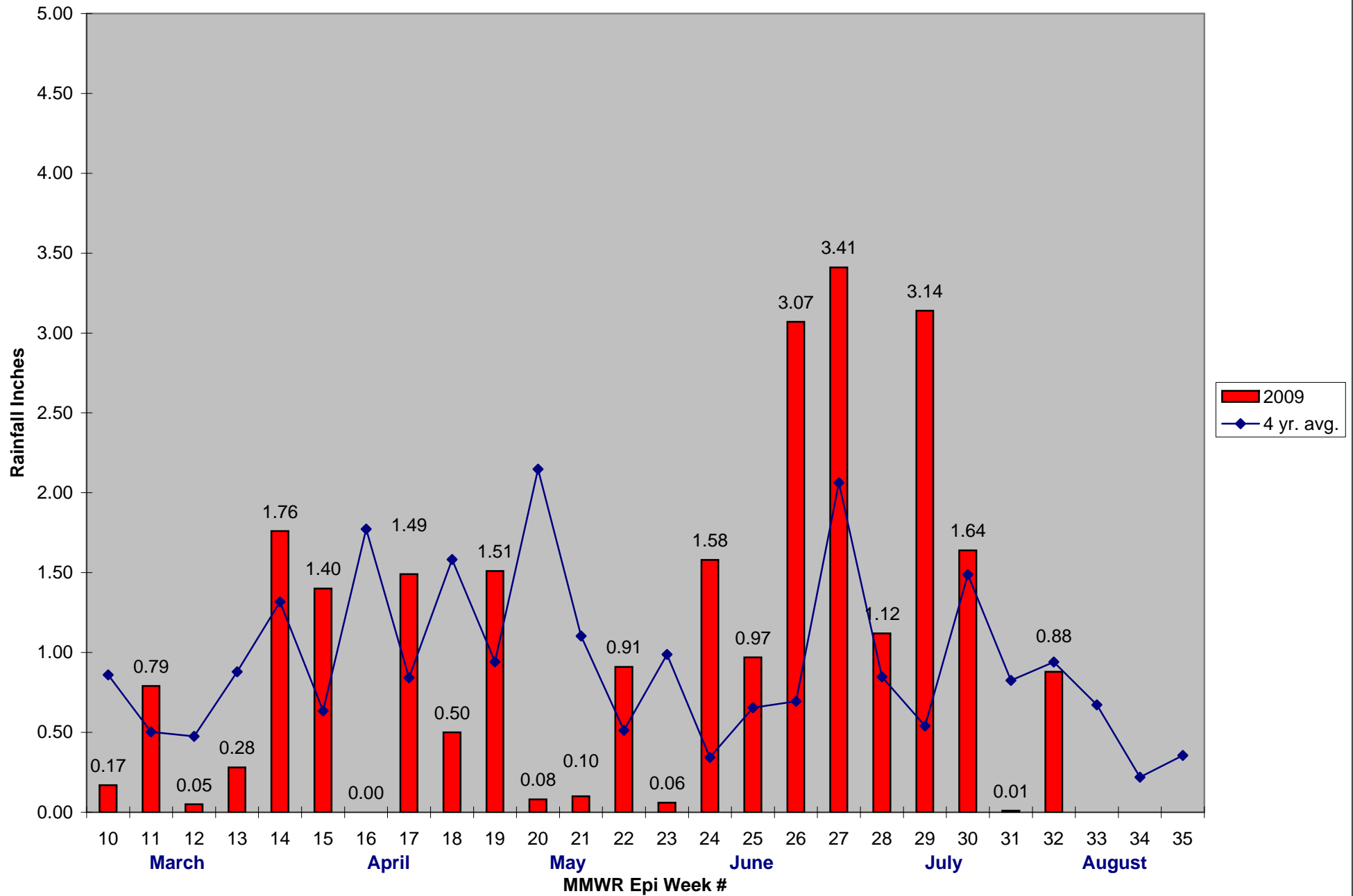| Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
Aedes vexans	+21.05%	-13.75%	Leominster
Coquillettidia perturbans	+64.88%	+17.82%	Leominster
Culiseta melanura	+29.41%	+238.5%	Westborough
Ochlerotatus canadensis	-64.18%	+2300%	Uxbridge
Culex Species	+34.13%	+334.1%	Auburn, Leominster
All Species	+50.34%	+173.9%	Ayer, Leominster

Culex Species followed by *Coquillettidia perturbans* were the predominant mosquito species for the week.
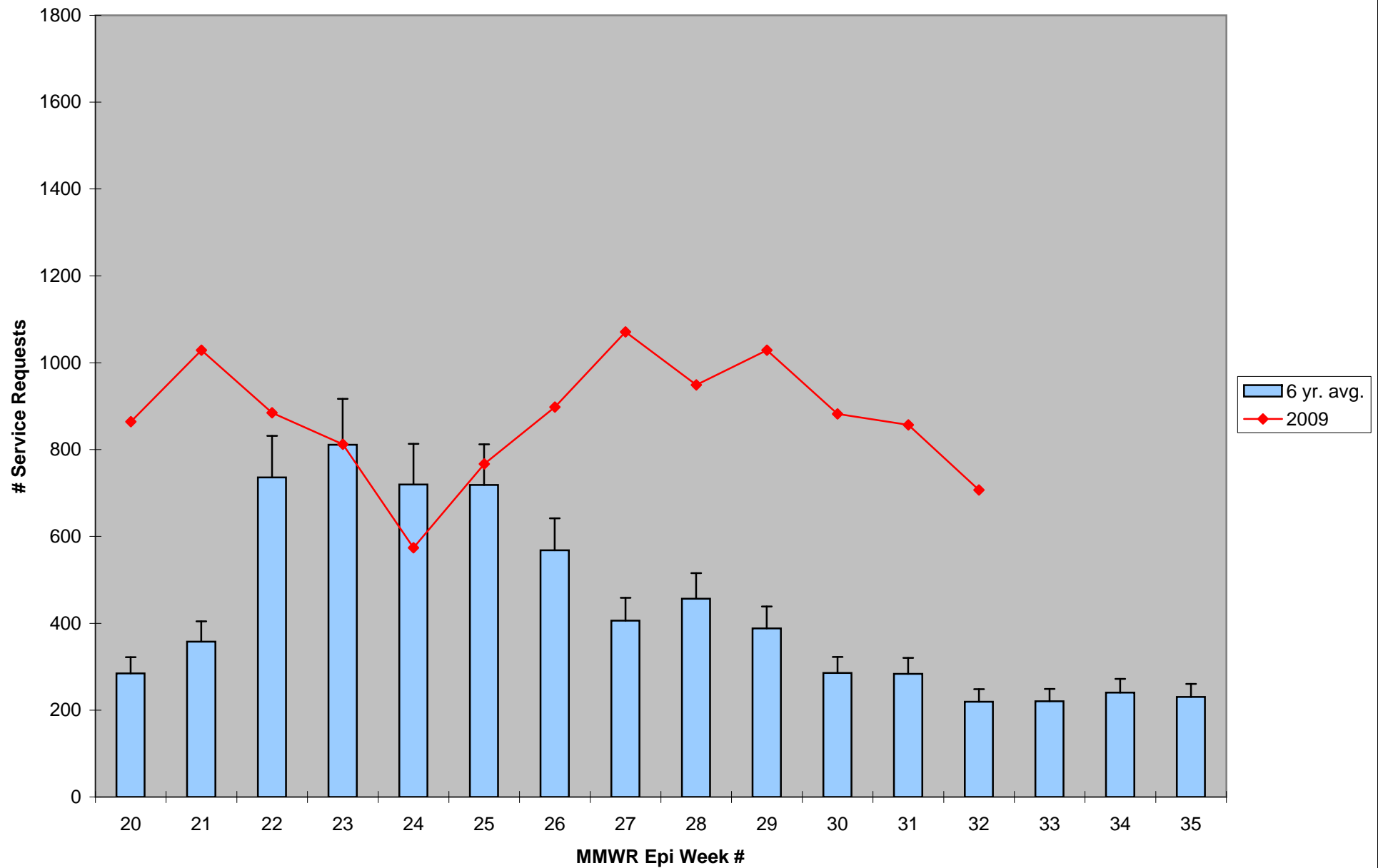
2009 Mass. Rainfall Data vs. 29 Year Average*

Inches

Month

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

2009 CMMCP Weekly Rainfall vs. 4 Year Average*

Rainfall Inches

MMWR Epi Week #

Legend: 2009, 4 yr. avg.

March | April | May | June | July | August

*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