

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #32
Aug. 5-11, 2007

Frank Cornine, *Field Biologist*
Curtis Best, *Staff Entomologist*
Tim McGlinchy, *Director of Operations*
Tim Deschamps, *Executive Director*

Central Mass. Mosquito Control Project
Weekly Report- 8/5/07-8/11/07
MMWR Week #32

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	59	350	181	192	423	2188
Total Specimens	307	18625	985	1089	5858	29700
No. Pools WNV +	0	0	0	0	1*	1*
No. Pools EEE +	0	0	0	0	0	0

* Positive WNV pool of *Culex pipiens/restuans* found in Marlborough DPH trap set 7/29/07

Weather Summary (Northborough, MA): The weather for this week averaged 70.79°F, which was 6.28°F cooler than the prior week. The recorded high temperature was 90.1°F with a recorded low temperature of only 46.2°F. There was .58 inches of precipitation this week compared to 1.31 inches of rain observed last week. The cumulative rainfall for the month of August has been .82 inches (rainfall total for July was 6.07 inches).

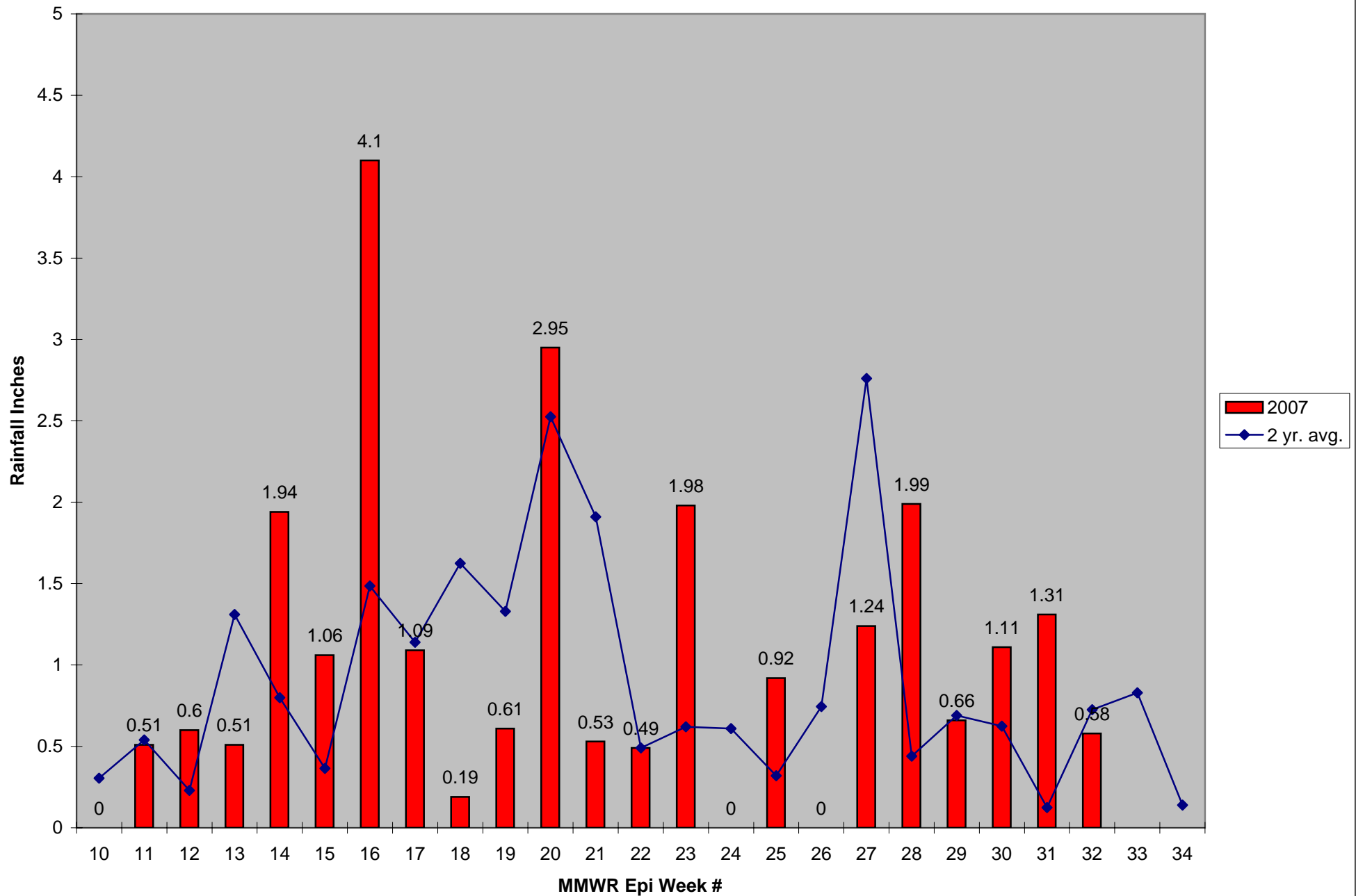
CMMCP Weekly Mosquito Summary-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-33.33%	-95.60%	Natick
<i>Coquillettidia perturbans</i>	-70.45%	-58.76%	Chelmsford, Lancaster
<i>Culiseta melanura</i>	-20.00%	-73.91%	Tewksbury
<i>Ochlerotatus canadensis</i>	-60.00%	-89.47%	Stow, Westborough
<i>Culex</i> Species	-61.51%	-50.81%	Dracut, Hopedale
All Species	-62.69%	-56.68%	Chelmsford, Dracut

The predominant mosquito species for the week was *Coquillettidia perturbans*.

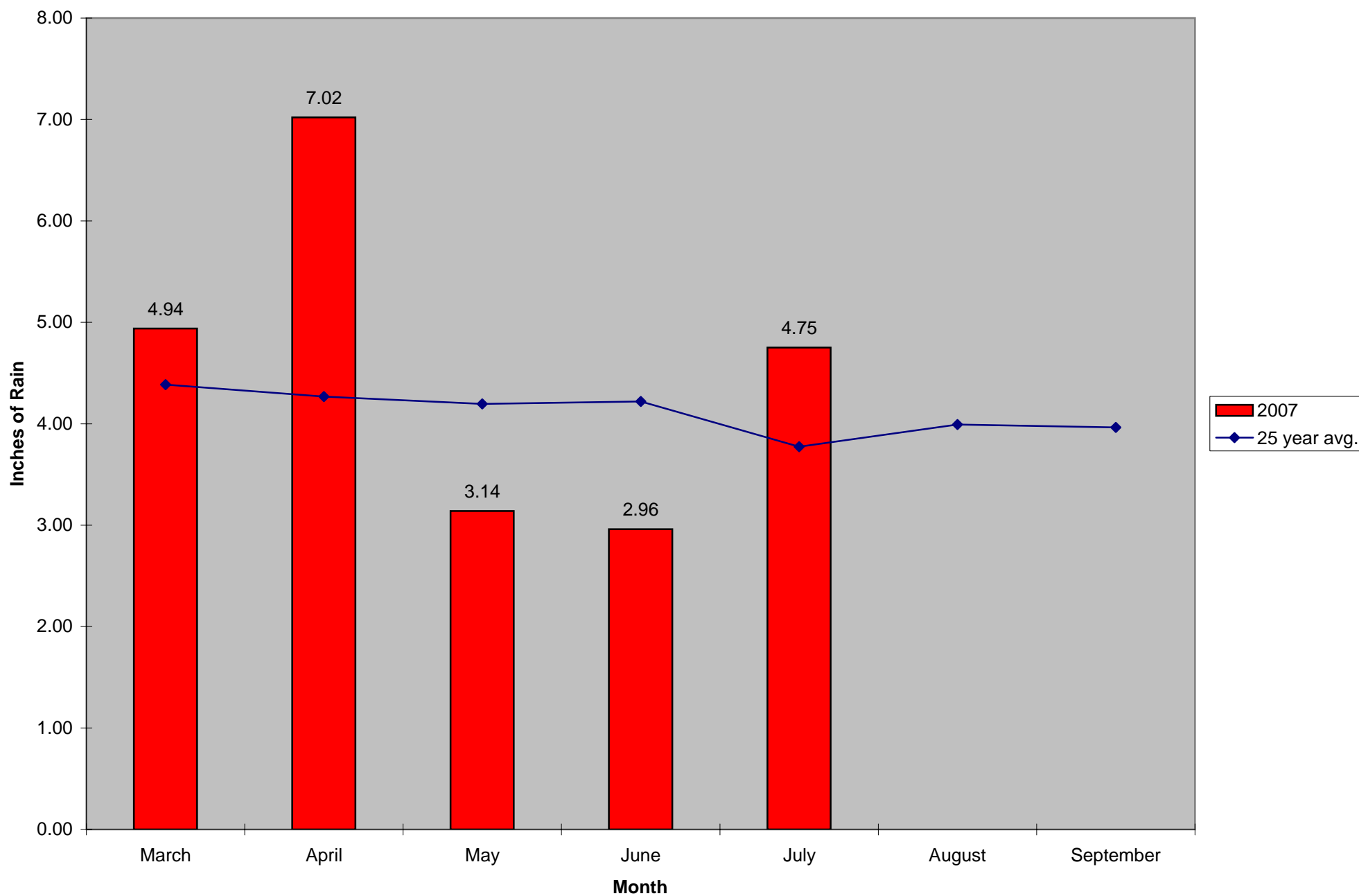
Service requests were down approximately 32% from the previous week according to the CMMCP Request Database.

2007 CMMCP Weekly Rainfall vs. 2 Year Average*



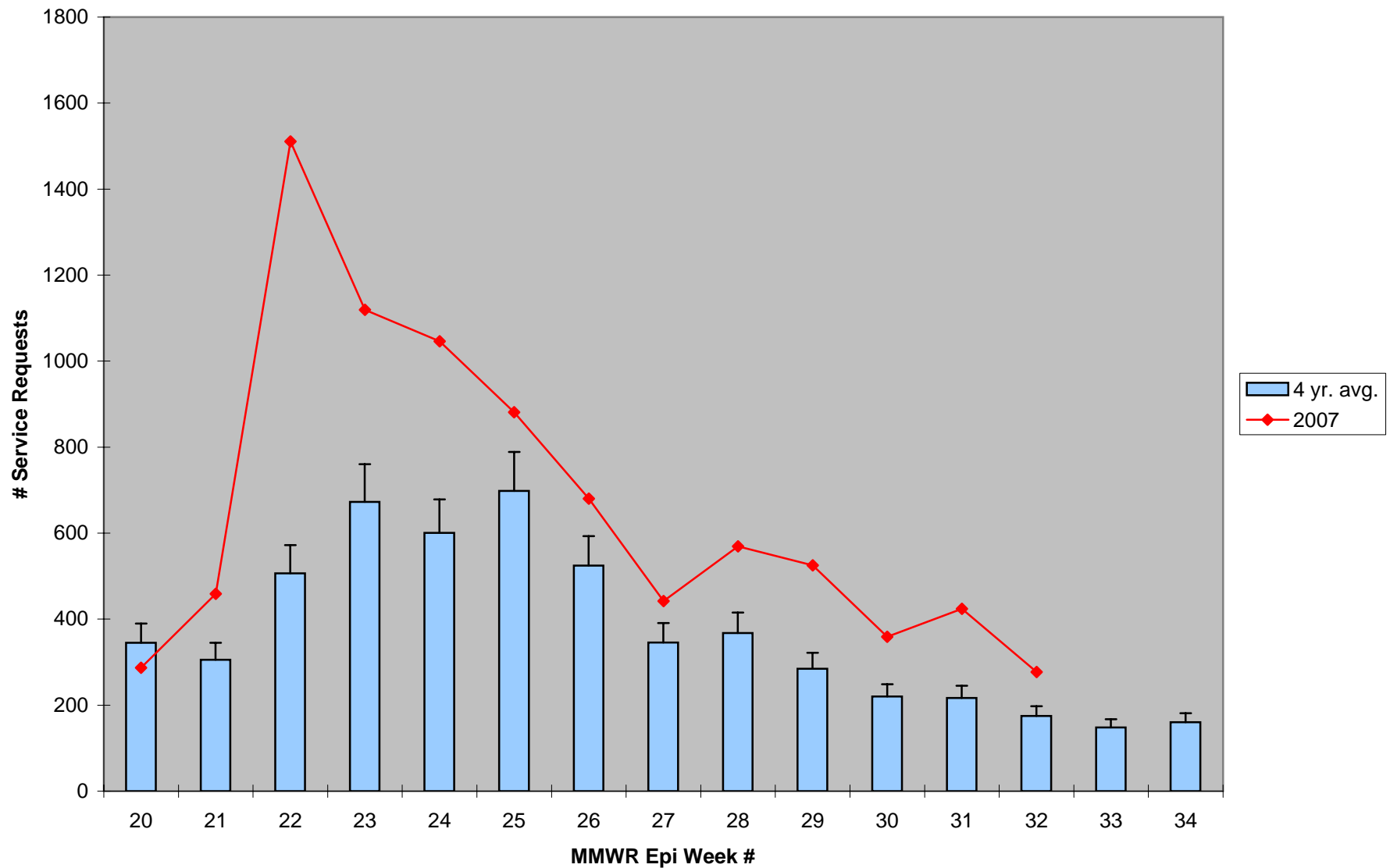
*Source: CMMCP Weather Station - Northborough, MA

2007 Mass. Rainfall Data vs. 25 Year Average*



*Source: http://www.nrcc.cornell.edu/climate/Climate_summary.html

ULV Service Request History Comparison 2003-2007



Standard deviation +13%

Source: CMMCP Request Database

39 towns 2007: 36 towns 2003-2006