

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #39
Sept. 23 - 29, 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- 9/23/07-9/29/07
MMWR Week #39

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	73	486	250	195	621	3076
Total Specimens	337	20026	1204	1093	7848	34612
No. Pools WNV +	0	0	0	0	2*	2*
No. Pools EEE +	0	0	0	0	0	0

* Positive WNV pools of *Culex pipiens/restuans* found in:
Marlborough DPH trap (set 7/29/07) & Holliston DPH trap (set 8/21/07)

Weather Summary (Northborough, MA): The weather for this week averaged 69.21°F, which was 10.27°F warmer than the prior week. The recorded high temperature was 92.3°F with a recorded low temperature of only 48.2°F. There was 0.01 inches of recorded precipitation this week compared to 0.03 inches observed last week. The total rainfall for the month of September was 1.84 inches (rainfall total for August was 1.10 inches).

CMMCP Weekly Mosquito Summary-

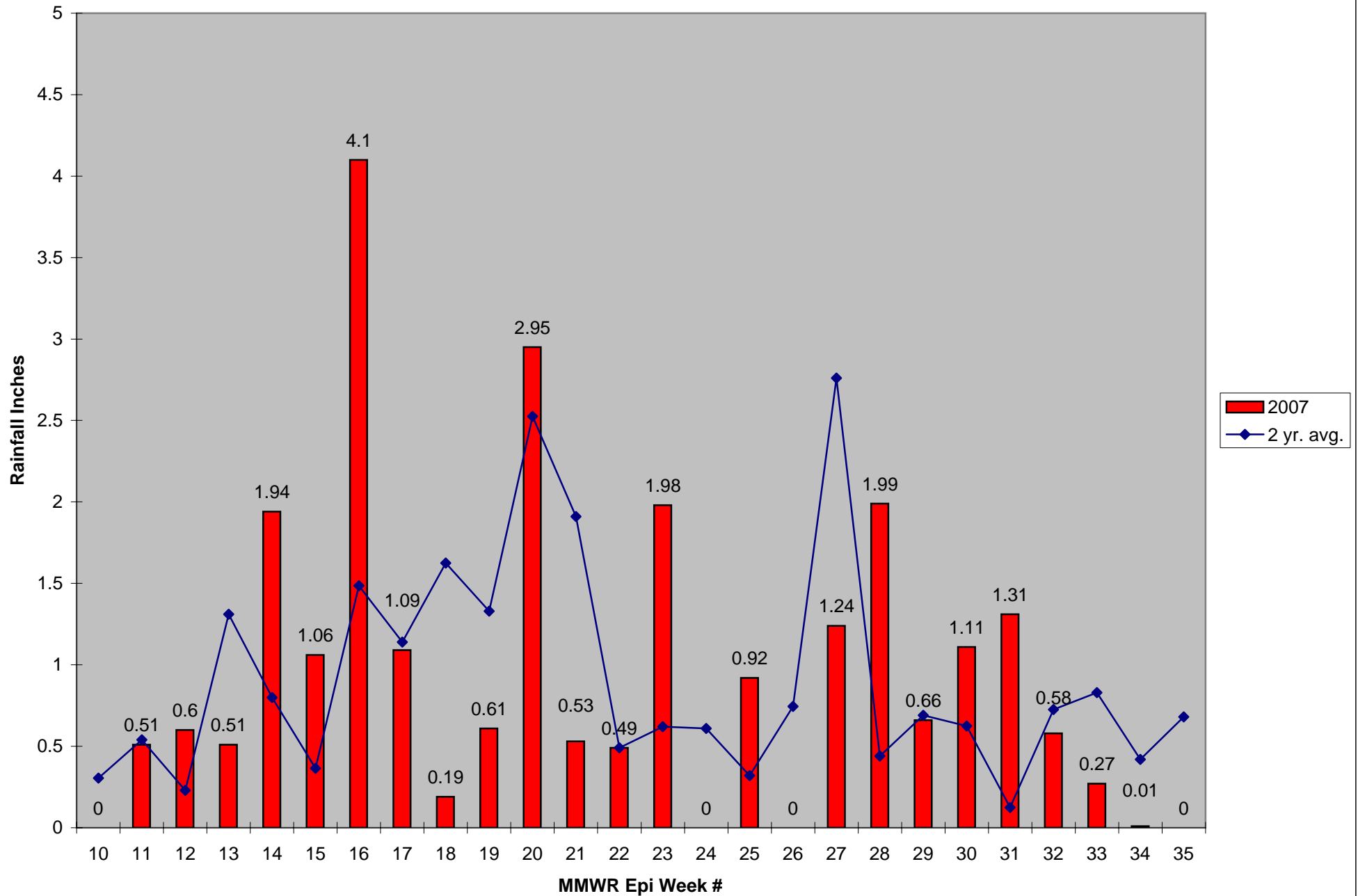
Target Species	Δ From Last Week**	Δ From Last Year	Predominant Trap Site(s)
----------------	-----------------------	---------------------	--------------------------

<i>Aedes vexans</i>	-100.00%	-100.00%	N/A
<i>Coquillettidia perturbans</i>	+14.29%	-97.32%	Hopkinton, Stow, Westborough
<i>Culiseta melanura</i>	-86.05%	-96.69%	Sturbridge
<i>Ochlerotatus canadensis</i>	0.00%	-100.00%	N/A
<i>Culex</i> Species	-60.00%	-2.56%	Northborough
All Species	-39.36%	-85.18%	Northborough

**Comparisons may not be as significant as they appear due to extreme low numbers.

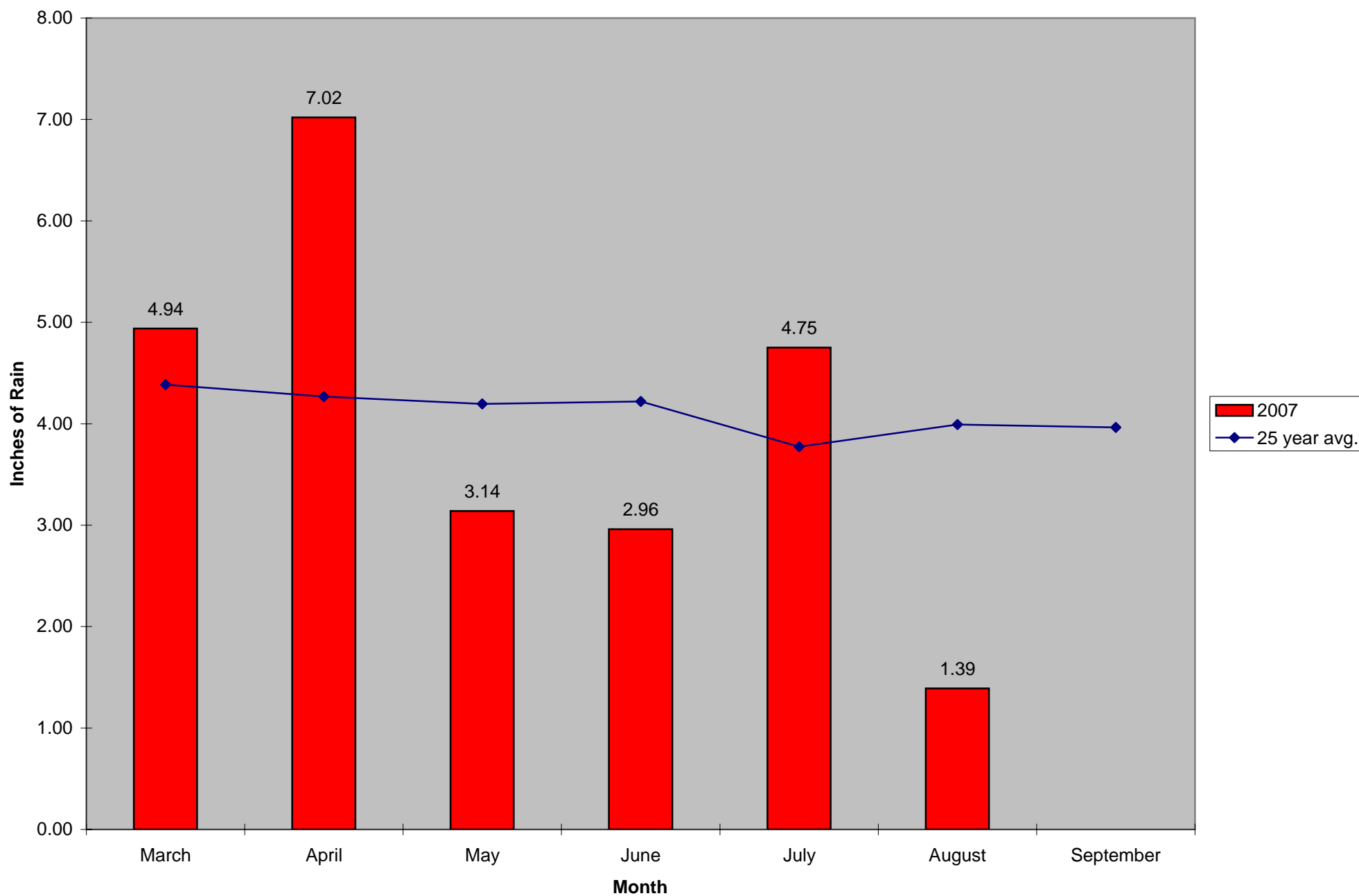
The predominant mosquito species for the week was *Ochlerotatus japonicus*.

2007 CMMCP Weekly Rainfall vs. 2 Year Average*



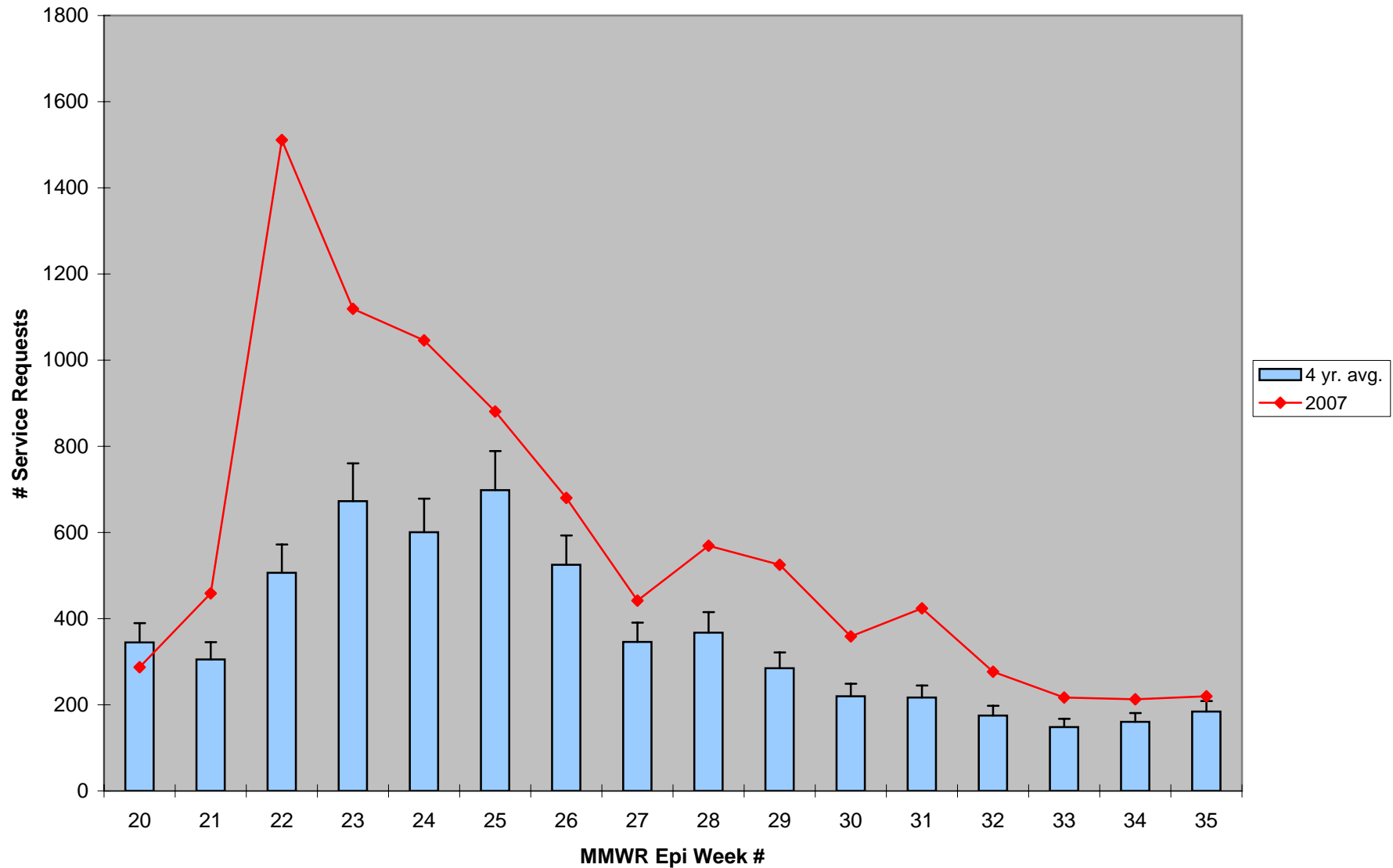
*Source: CMMCP Weather Station - Northborough, MA

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 Requests Databases

39 towns 2007: 36 towns 2003-2006