

CMMCP WEEKLY SURVEILLANCE REPORT



EPI week #33
Aug. 14 - 20, 2011

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

Central Mass. Mosquito Control Project
Weekly Report- 8/14/11-8/20/11
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	18	203	111	54	763	1853
Total Specimens	69	6445	742	333	22511	32852
No. Pools WNV +	0	0	0	0	7 [†]	7 [†]
No. Pools EEE +	0	0	0	0	0	0

[†]Pool of WNV+ *Culex* Species collected in Sturbridge on 7/22/11

[†]Pool of WNV+ *Culex* Species collected in Acton on 7/28/11

Pool of WNV+ *Culex* Species collected in Worcester on 8/12/10 (DPH collection)

Pool of WNV+ *Culex* Species collected in Worcester on 8/12/10 (DPH collection)

[†]Pool of WNV+ *Culex* Species collected in Dracut on 8/9/11

[†]Pool of WNV+ *Culex* Species collected in Westford on 8/10/11

[†]Pool of WNV+ *Culex* Species collected in Auburn on 8/11/11

[†]Pool of WNV+ *Culex* Species collected in Shrewsbury on 8/11/11

[†]Pool of WNV+ *Culex* Species collected in Natick on 8/12/11

Weather Summary (Northborough, MA): The weather for this particular week averaged 70.13°F with a recorded high temperature of 87.2°F and a recorded low temperature of only 56.8°F. For this week there was also a total of 2.12 inches of rain observed. Compared to the previous week, it was approximately 1.66°F cooler on average, and rained about 2.19 inches less. There has been 6.98 inches of rain accumulated in August, while the total rainfall for the month of July was 1.73 inches. For the year we have received 57% more requests than average; 11,860 requests to date compared to the 8 year average of 7,536. Requests were 26% more than the 2010 totals, 11,860 in 2011 against 9,370 in 2010. Service requests **decreased 11%** from EPI week 32 to Epi week 33 for 2011 (353 vs. 396).

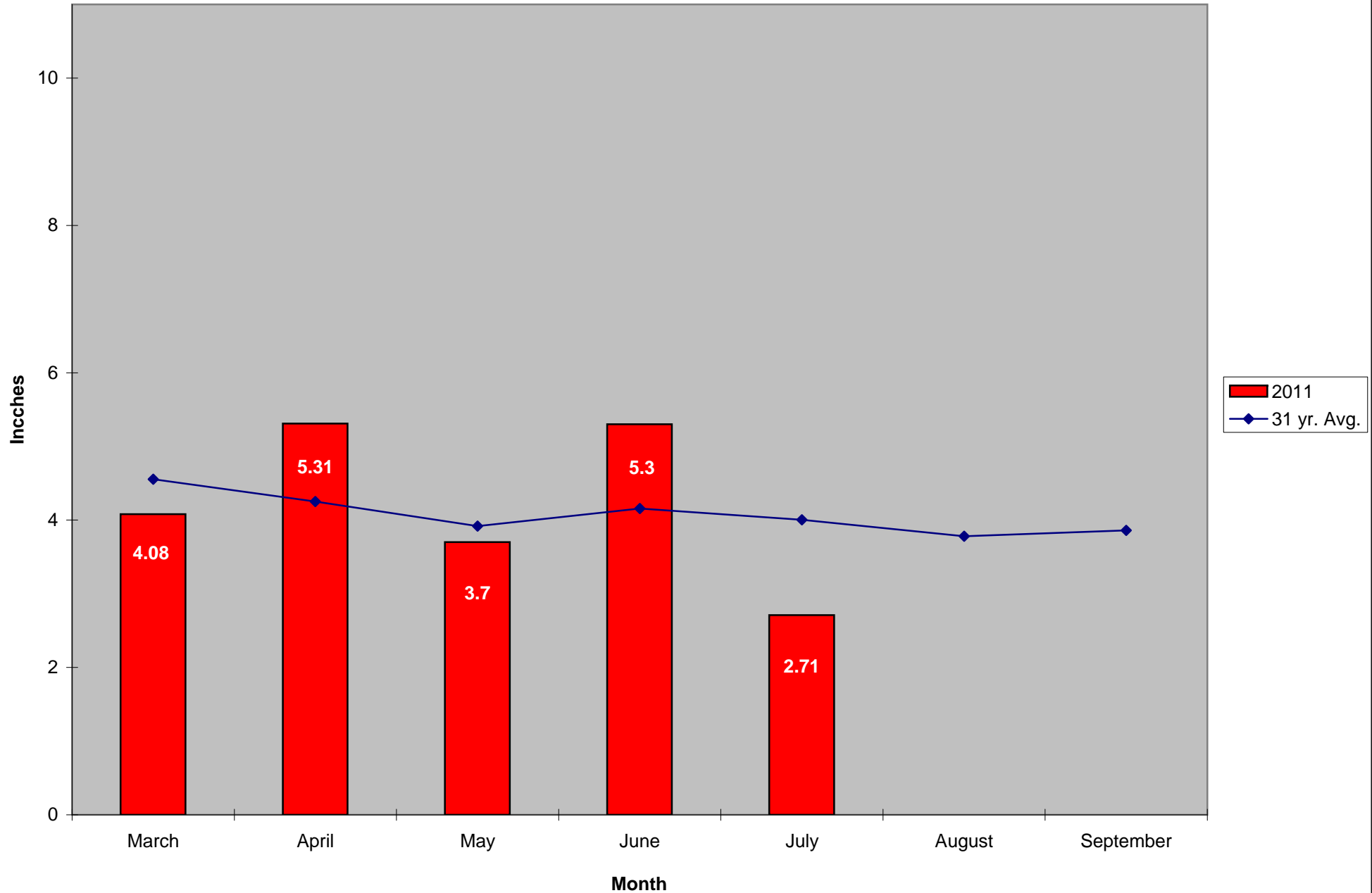
CMMCP Mosquito Summary*-

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	+100.0%	-50.00%	Boxborough
<i>Coquillettidia perturbans</i>	-55.14%	+13.39%	Westborough, Boxborough
<i>Culiseta melanura</i>	+92.54%	+ ∞	Hopkinton
<i>Ochlerotatus canadensis</i>	+100.0%	+100.0%	Stow
<i>Culex</i> Species	-66.18%	+88.09%	Uxbridge, Westborough
All Species	-53.15%	+52.97%	Uxbridge, Westborough

The predominant mosquito for the week was *Culex* spp. followed by *Cq. perturbans*.

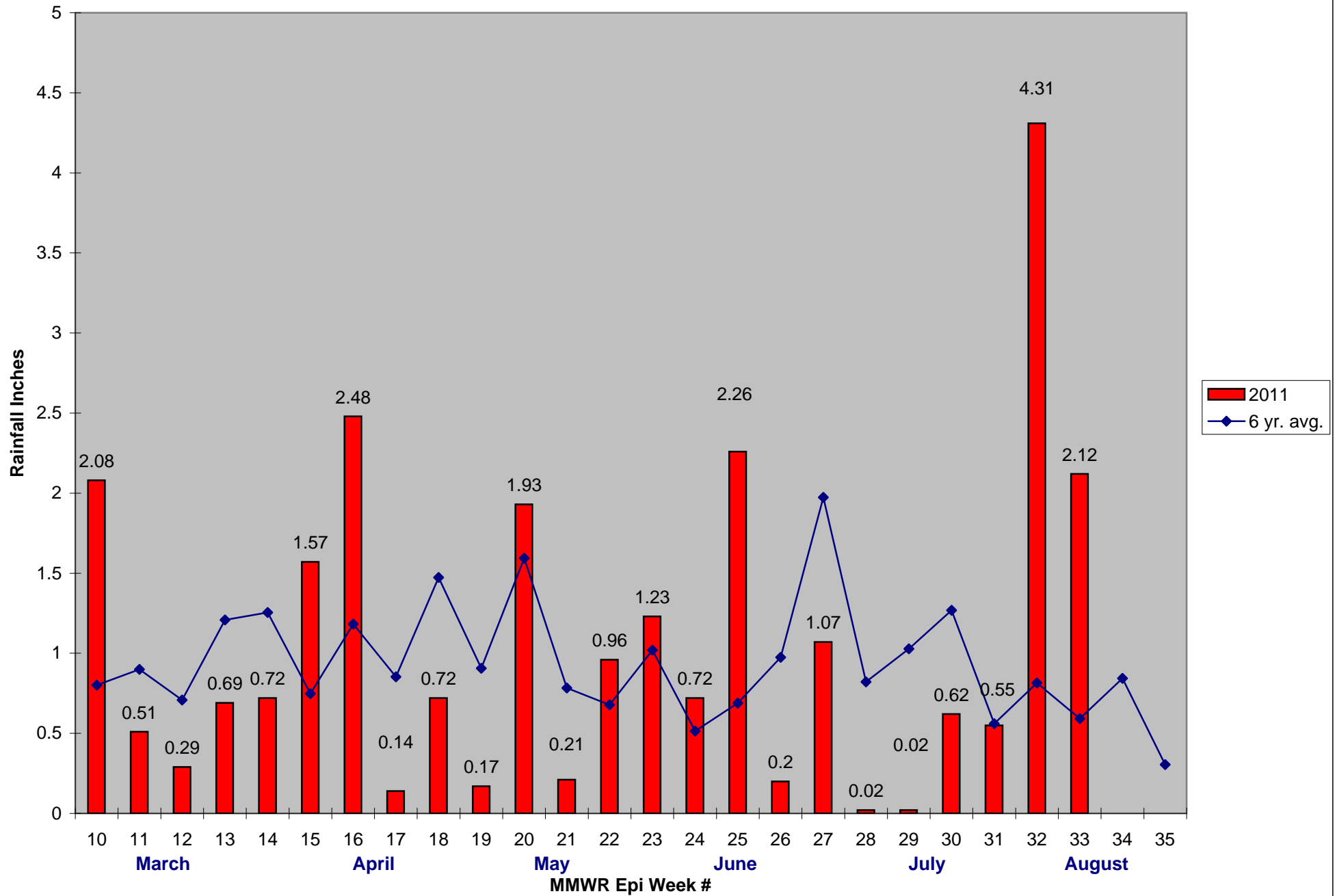
*Low 2010 season numbers may contribute to these comparisons being not as significant as they appear

2011 Mass. Rainfall Data vs. 31 Year Average*



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

2011 CMMCP Weekly Rainfall vs. 6 Year Average*



*Source: CMMCP Weather Station - Northborough, MA

2011 Rainfall vs. Requests

