

# CMMCP WEEKLY SURVEILLANCE REPORT



**EPI week #31**  
**July 29- Aug. 4, 2007**

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**Central Mass. Mosquito Control Project**  
**Weekly Report- 7/29/07-8/4/07**  
**MMWR Week #31**

**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
<b>No. Pools</b>	55	314	173	188	392	2026
<b>Total Specimens</b>	302	18148	961	1085	5492	28639
<b>No. Pools WNV +</b>	0	0	0	0	1*	1*
<b>No. Pools EEE +</b>	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 77.07°F, which was 4.66°F warmer than the prior week. The recorded high temperature was 94.3°F with a recorded low temperature of only 63.7°F. There was 1.31 inches of precipitation this week compared to 1.11 inches of rain observed last week. The cumulative rainfall for the month of August has been .24 inches (rainfall total for July was 6.07 inches).

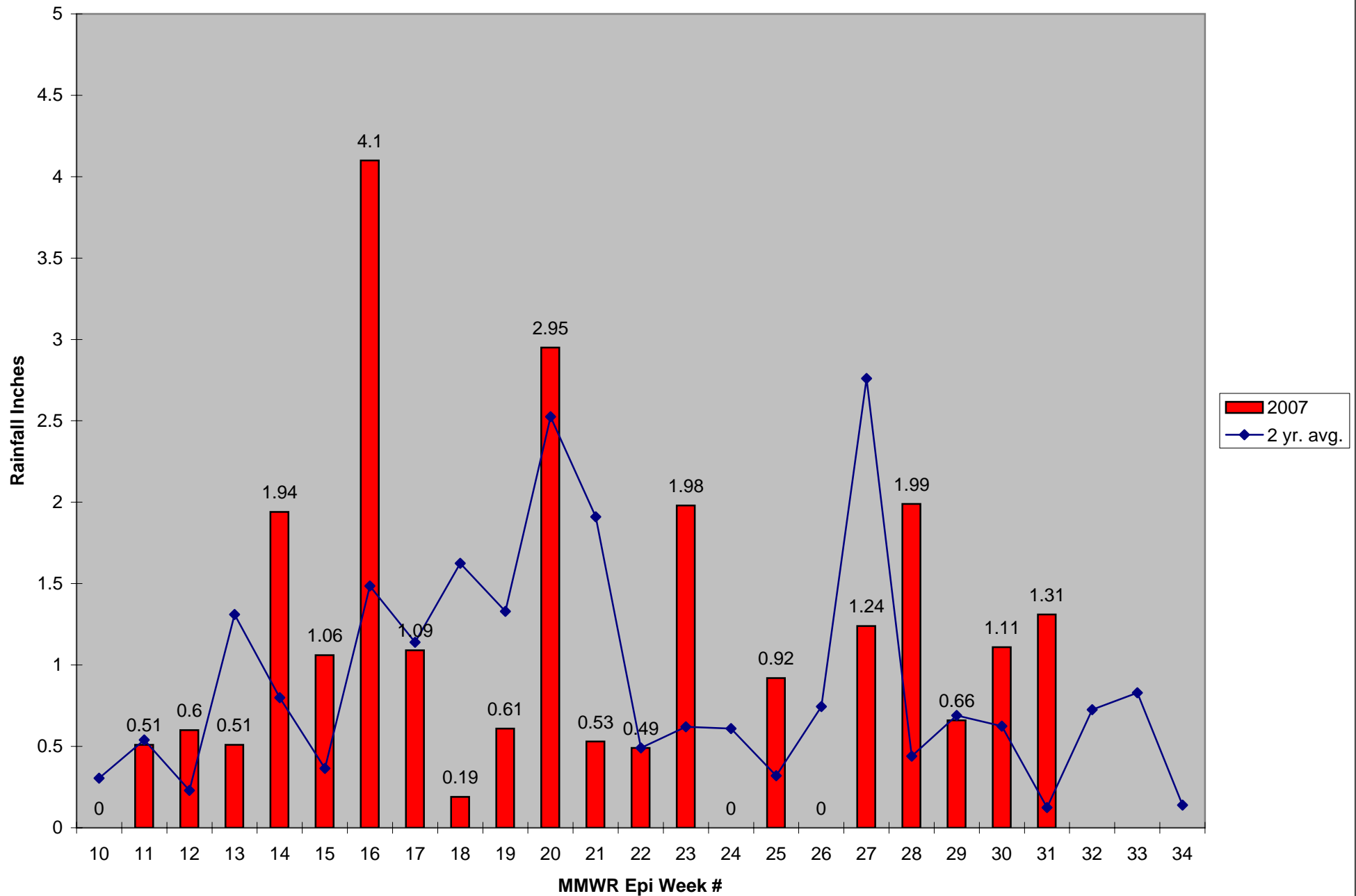
**CMMCP Weekly Mosquito Summary-**

Target Species	Δ From Last Week	Δ From Last Year	Predominant Trap Site(s)
<i>Aedes vexans</i>	-84.62%	-87.50%	Chelmsford
<i>Coquillettidia perturbans</i>	-41.23%	+19.70%	Chelmsford, Westford
<i>Culiseta melanura</i>	-54.55%	-82.25%	Millbury
<i>Ochlerotatus canadensis</i>	-44.44%	-41.18%	Acton, Millville
<i>Culex</i> Species	-0.83%	+46.76%	Holliston, Millbury
All Species	-30.77%	+15.85%	Chelmsford, Holliston

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

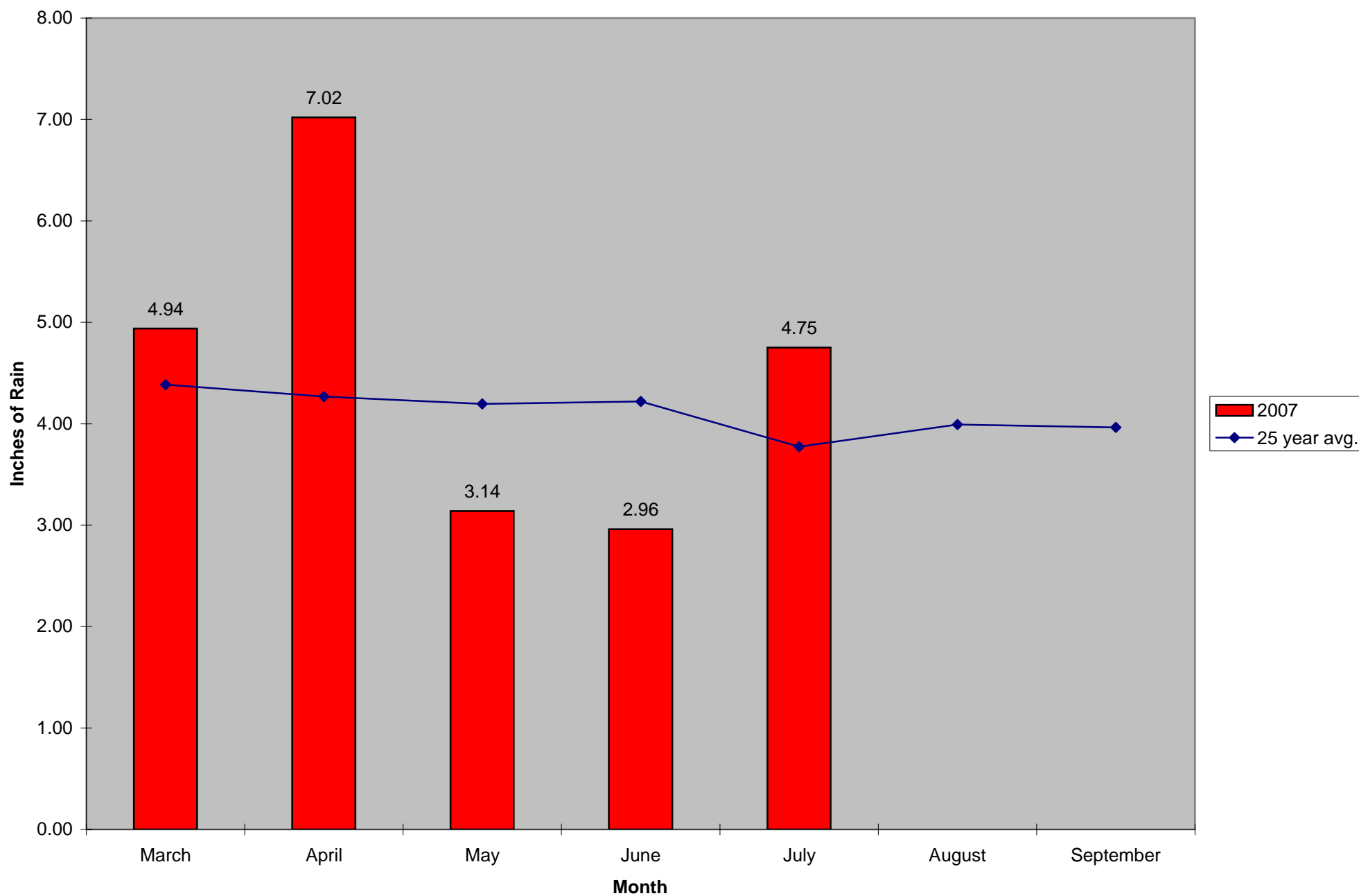
Service requests were up approximately 18% from the previous week according to the CMMCP Request Database.

2007 CMMCP Weekly Rainfall vs. 2 Year Average\*



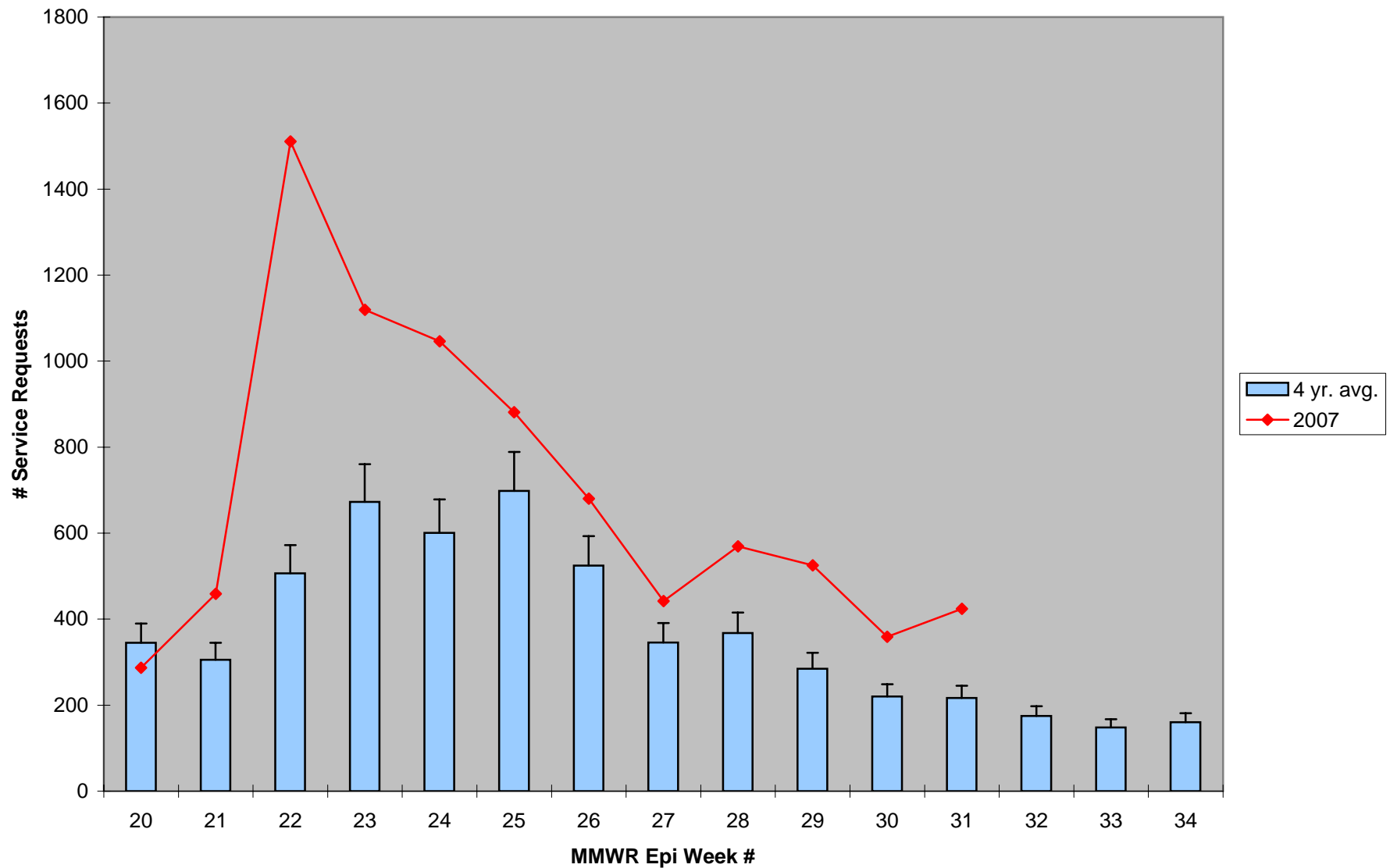
\*Source: CMMCP Weather Station - Northborough, MA

**2007 Mass. Rainfall Data vs. 25 Year Average\***



\*Source: [http://www.nrcc.cornell.edu/climate/Climate\\_summary.html](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