

# CMMCP WEEKLY SURVEILLANCE REPORT



**EPI week #23**  
**May 31 – June 6, 2020**

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**Central Mass. Mosquito Control Project**  
**Weekly Report- 5/31/20-6/6/20**  
**EPI Week #23**

**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	9	3	12	35	6	227
Total Specimens	114	6	39	667	12	1927
No. Pools WNV +	0	0	0	0	0	0
No. Pools EEE +	0	0	0	0	0	0

**Weather Summary (Northborough, MA):** The weather for this particular week averaged 63.96°F with a recorded high temperature of 92.00°F and a recorded low temperature of only 38.90°F. For this week there was also a total of 0.32 inches of rain observed. Compared to the previous week, it was approximately 3.48°F cooler on average, and rained about 0.25 inches more. There has been 0.32 inches of rain accumulated in June, after 1.68 inches for the month of May.

**CMMCP Mosquito Summary-**

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

<i>Aedes vexans</i>	-27.27%	Ashland, Wilmington
<i>Coquilleltidia perturbans</i>	+500.0%	Littleton
<i>Culiseta melanura</i>	+833.3%	Ayer, Stow
<i>Ochlerotatus canadensis</i>	+77.08%	Ashland, Hudson
<i>Culex</i> Species	+25.00%	Southborough, Wilmington
All Species	+91.91%	Ashland, Sturbridge

The predominant mosquito for the week was *Ochlerotatus canadensis*  
followed by *Ochlerotatus provocans*.

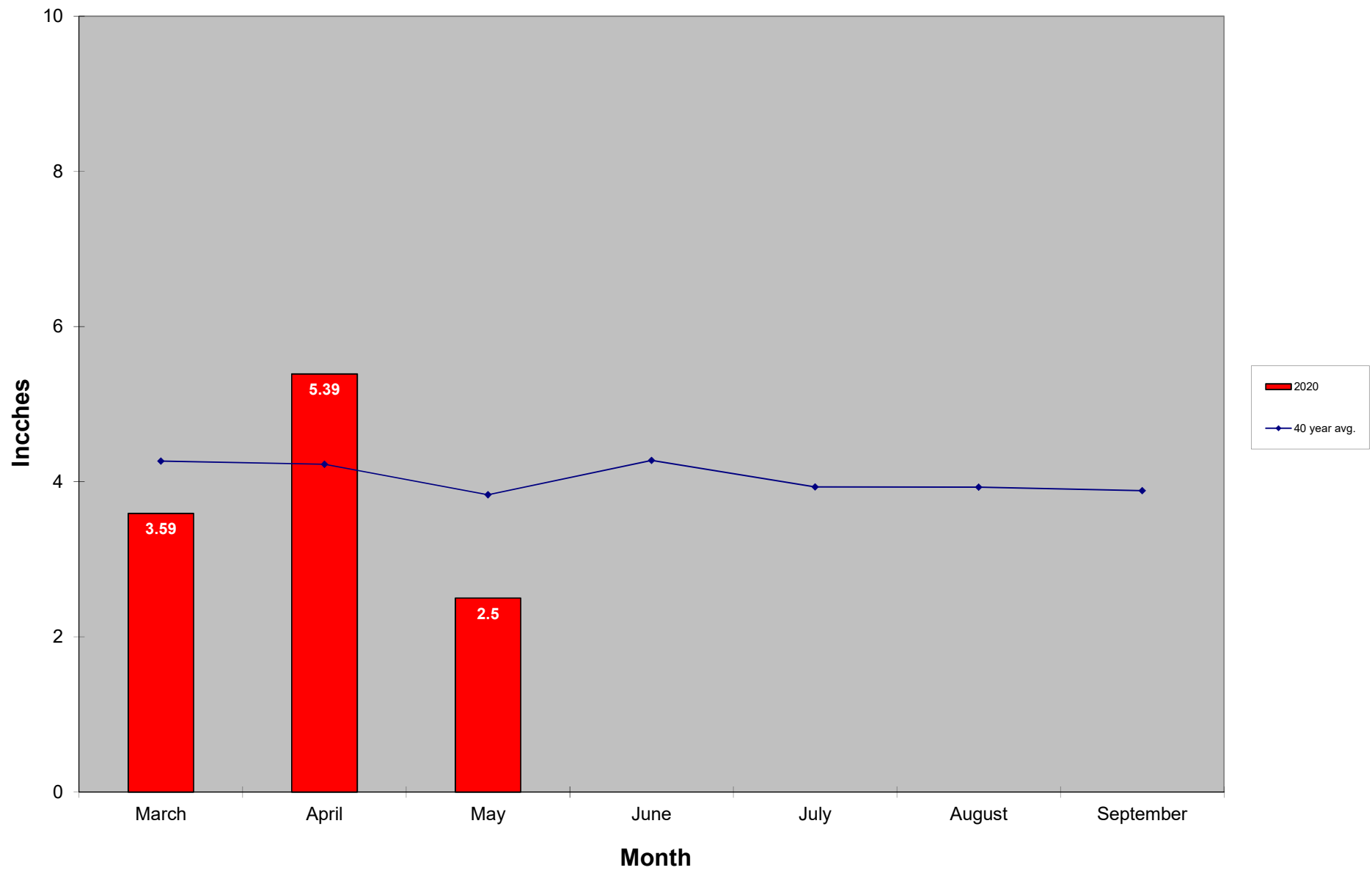
**General narrative:**

The temperatures for EPI week 23 averaged approximately 3.48°F cooler than the previous week, with 0.32 inches of precipitation observed. Increased emergence was observed for *Ochlerotatus canadensis* along with the first collection of *Coquilleltidia perturbans*. *Ochlerotatus canadensis* was most abundant mosquito species for the week, followed by *Ochlerotatus provocans*. Increasing temperatures and additional emergence should contribute to higher collections moving forward. Gravid traps will begin to be deployed in EPI Week 24. *Aedes albopictus* surveillance using ovitraps has not yet started.

Service requests are 47.6% greater than the 17-year average (1,917 vs. 1,298) but 15.5% lower than Epi week 23 numbers from 2019 (2,216 vs. 1,917). Work crews have been performing catch basins treatments in all member communities for *Culex* control since

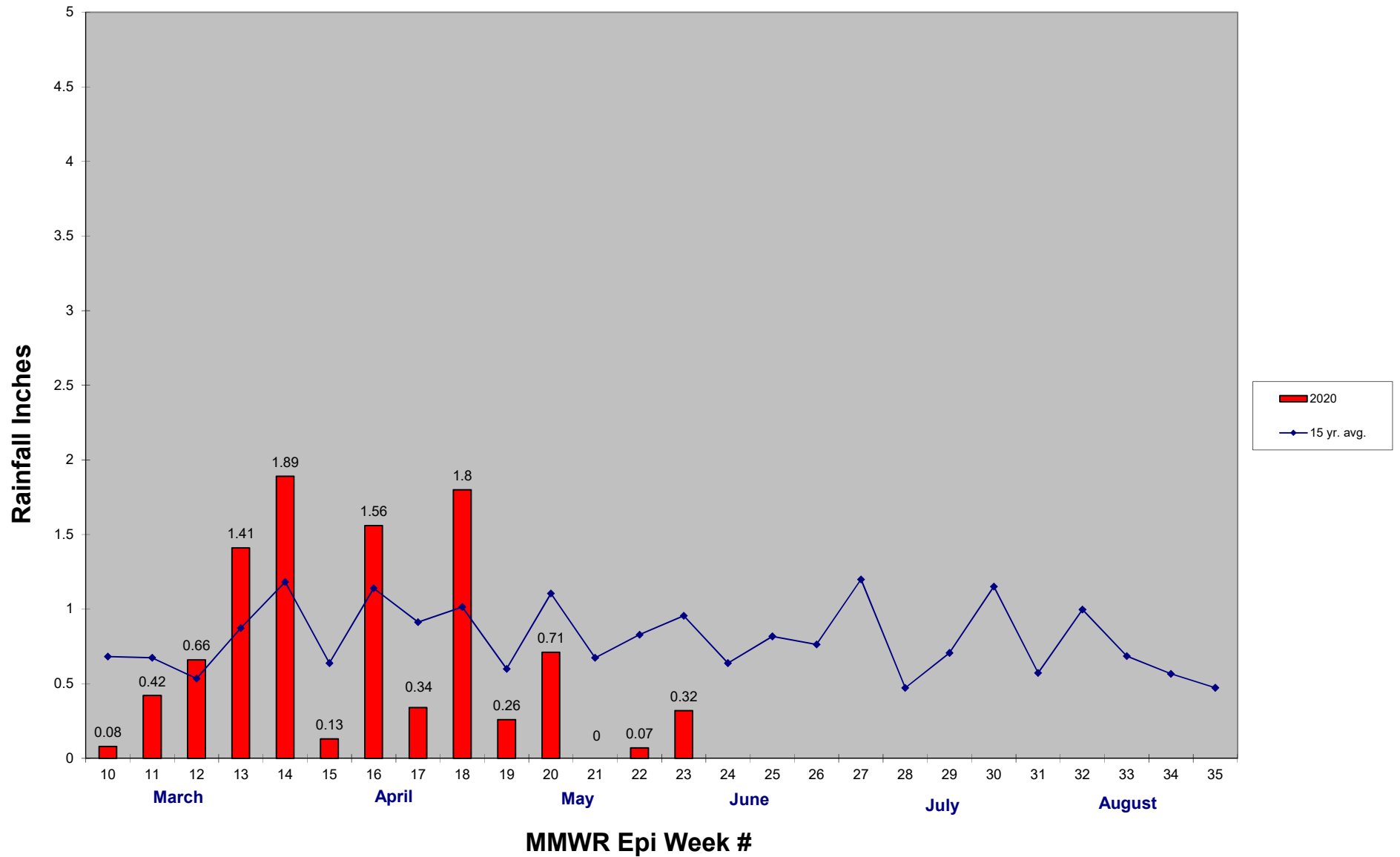
mid-May but enhanced larval control surveys and treatments in 21 communities shifted focus from basins applications to this EEE mitigation effort. 5,677 catch basins were treated in Epi week 23, bringing the total for the year to 12,708 basins treated for *Culex spp.* control. A mailing went out to all abandoned pool properties and treatment will occur once we receive responses. 2 pool have been treated to date, with several others scheduled. A memo will be sent to Boards of Health reminding them about this program.

**2020 Mass. Rainfall Data vs. 40 Year Average\***



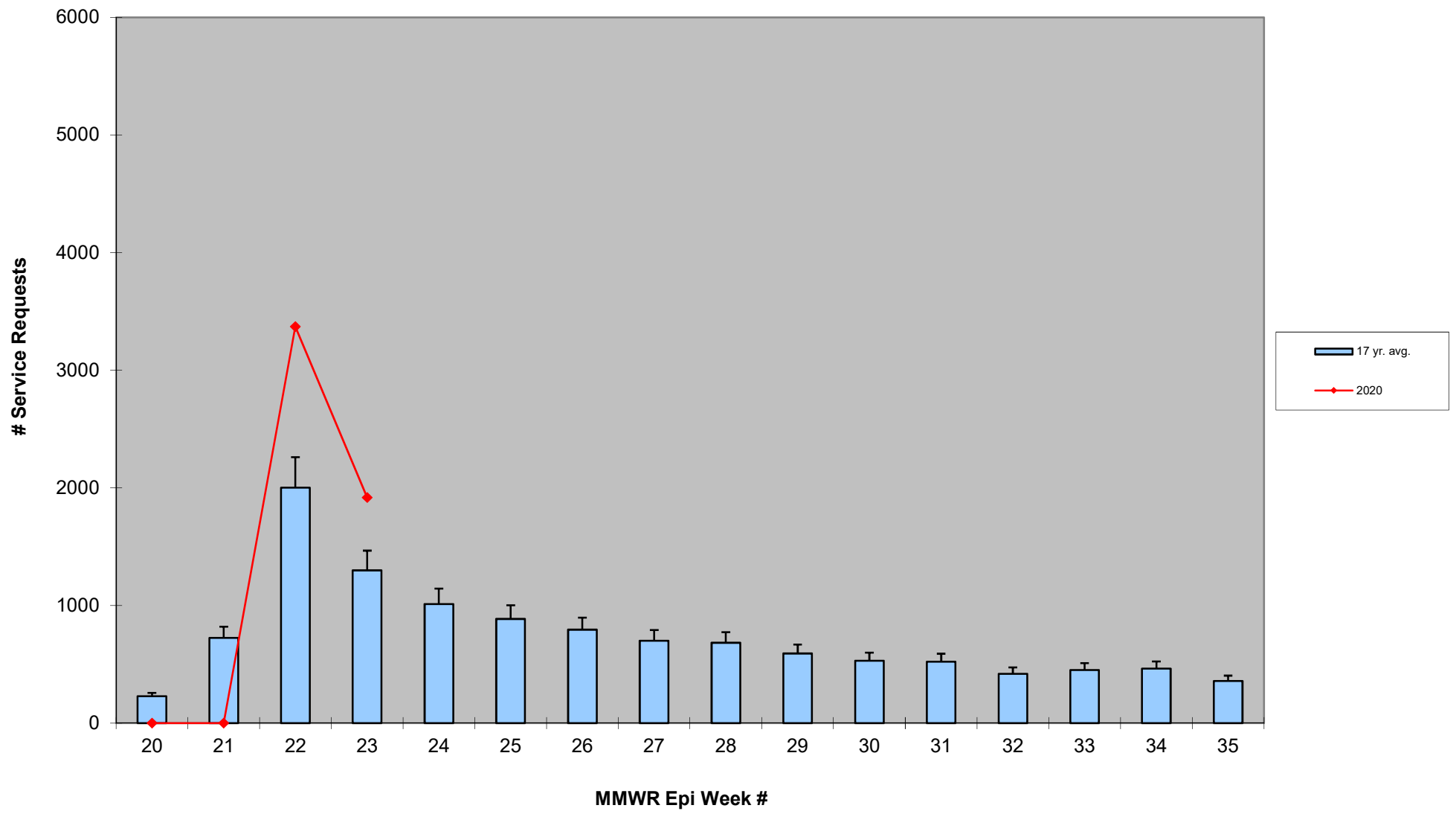
\*source: <http://www.nrcc.cornell.edu/regional/tables/tables.html>

## 2020 CMMCP Weekly Rainfall vs. 15 Year Average\*



\*source: CMMCP weather station Northborough, MA

### ULV Service Request History Comparison 2003-2020



## 2020 Rainfall vs. Requests

