

## Summary of Monitoring and Control for the Mosquito Program for the Week ending July 3, 2015

### ***West Nile Virus (WNV) in and Around Boulder County***

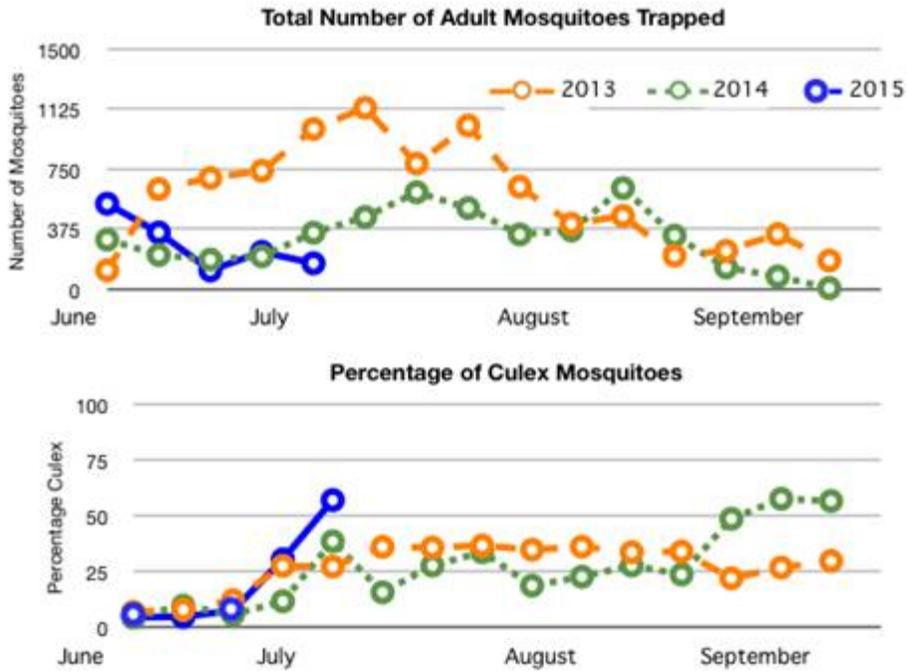
Mosquito activity was close to average throughout Boulder County this week, while the number of *Culex* was about double the historic average. Overall mosquito activity was low throughout the majority of the City of Boulder. However, like Boulder County, the percentage of *Culex* has increased. Testing of mosquito samples has been negative for WNV so far this season, though the risk for WNV transmission to people is always possible when *Culex* mosquitoes are present. More information is available about steps that the public can take to prevent WNV at the [Fight the Bite website](#).

### ***Adult Mosquito Trap Numbers***

Adult mosquitoes are monitored from a grid of 16 traps located throughout the city. The mosquitoes are sorted and identified to species. *Culex* species from designated sentinel traps are sent to the Colorado Department of Public Health and Environment to be tested for the presence of WNV. The following table shows the results from surveillance traps.

Date	Total Mosquitoes	Number of <i>Culex</i> Mosquitoes	Percent <i>Culex</i> Mosquitoes	WNV Testing Results
June 2	541	26	4.8%	Not yet testing
June 9	361	20	5.5%	Negative
June 16	125	14	7.8%	Negative
June 23	240	74	30.8%	Negative
June 30	169	97	57.4%	Results pending

Weekly mosquito trap results will be charted throughout the season and the results from the previous two years will be included for comparison.



**Nuisance Mosquito Program**

Nuisance mosquito abundance and species composition can be compiled from 12 of the 16 WNV surveillance traps (four traps are specific for *Culex* mosquitoes), providing information about nuisance mosquito activity throughout the city. Two additional traps are placed in areas with high nuisance mosquito activity. These are located at the East Boulder Recreation Center and the Thorne Institute at the east side of Sombrero Marsh. “Floating” traps may also be set up to monitor areas of high mosquito activity. One is currently installed at the Greenbelt Meadows neighborhood.

The table below shows the adult nuisance mosquito counts in the three traps that are used for additional monitoring of nuisance mosquitoes, as well as the top five nuisance mosquito counts in WNV surveillance traps throughout the city.

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
Greenbelt Meadows*	151 (1)*
Stazio Ball Fields	34 (5)
East Boulder Community Center*	27 (16)*

Trap location	Number of Nuisance Mosquitoes (Number of <i>Culex</i> )
Christensen Park	13 (27)
Sawhill Ponds	4 (2)
Sombrero Marsh	4 (2)
Rolling Rock Ranch	3 (5)
Thorne Institute*	1 (3)*

\* Trap is from nuisance mosquito control program

### ***Mosquito Larval Control Treatments***

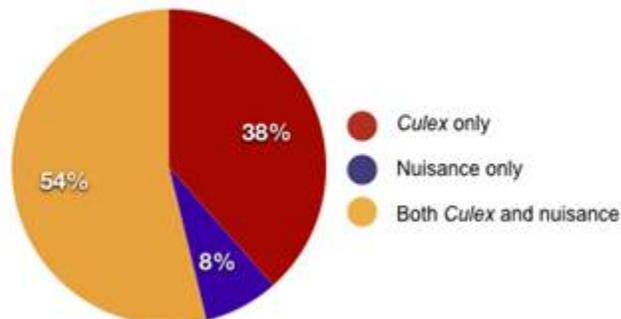
A total of 360 site inspections occurred and 13 were treated.

Sites treated with *Culex*-only larvae: 5

Sites treated with nuisance-only larvae: 1

Sites treated with both *Culex* with nuisance larvae: 7

***Percentage of sites treated for *Culex* and nuisance mosquitoes***



If you have any questions, please contact Rella Abernathy at 303-441-1901.