

## Summary of Monitoring and Control for the Mosquito Program for the Week ending July 22, 2016

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

Overall mosquito activity increased this week, with the percentage of *Culex* reducing to about average for this time in the season and nuisance mosquitoes increasing. Three mosquito samples have tested positive for WNV from Boulder County so far this season – one last week from northwest Longmont. And two samples tested positive this week – one from Longmont and another sample that was combined from traps in Louisville and Lafayette. Mosquitoes have also tested positive from Weld, Larimer, Arapahoe and Mesa Counties. Although mosquitoes from Boulder traps have not yet tested positive for WNV, residents should assume that mosquitoes could be infected and take precautions to protect themselves from bites. More information is available at the [Fight the Bite website](#).

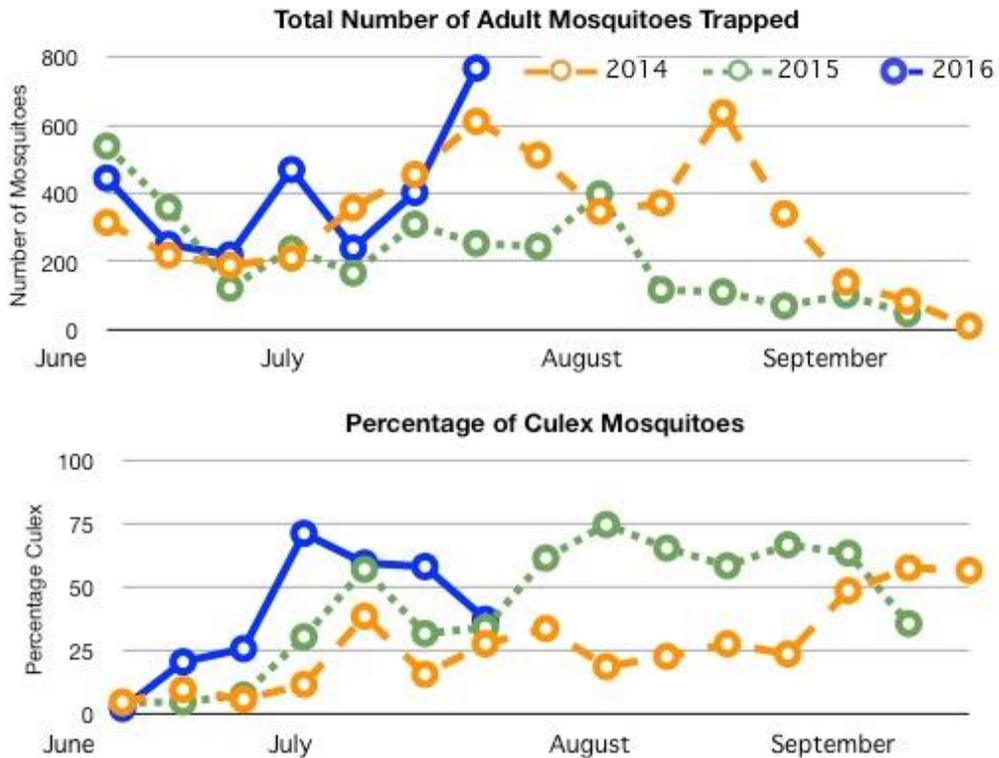
Nuisance mosquito activity increased at a number of areas this week and remains high at Greenbelt Meadows. Staff and the city's mosquito control contractor are working with the neighborhood to consider additional steps to reduce mosquito harborage.

### ***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 7	477	12	2.5%	Not yet testing
June 14	253	53	29.9%	Negative
June 21	222	58	26.1%	Negative
June 28	472	338	71.6%	Negative
July 5	242	145	59.9%	Negative
July 12	405	237	58.5%	Negative
July 19	769	290	37.7%	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*	764 (4)
Rolling Rock	309 (12)
East Boulder Community Center*	168 (44)*
Sawhill Ponds	49 (39)
Papini	43 (33)
Tom Watson Park	21 (12)
Stazio Ball Fields	16 (15)
Thorne Institute*	9 (32)*

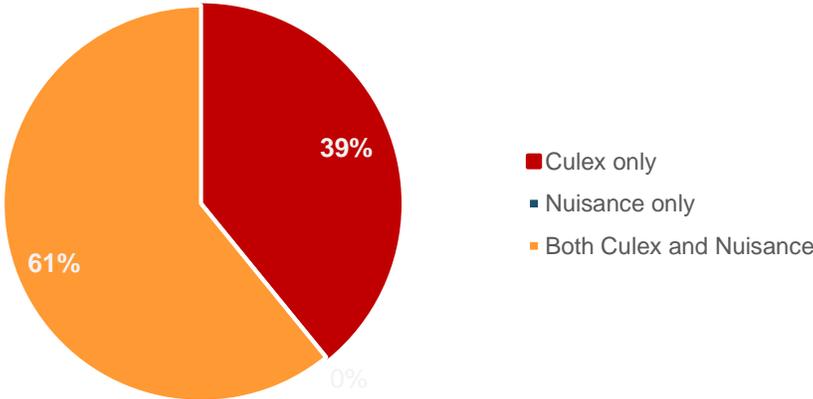
\* Trap is from nuisance mosquito control program

**Mosquito Larval Control Treatments**

The week of July 15, a total of 308 site inspections occurred and 23 were treated.

- Sites treated with *Culex*-only larvae: 9
- Sites treated with nuisance-only larvae: 0
- Sites treated with both *Culex* with nuisance larvae: 14

Percentage of sites treated for *Culex* and nuisance mosquito



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

