



## Zoonotic Disease Report June 5 – June 11, 2016 (Week 23)

### Executive Summary

- Larimer County reports the first human West Nile Virus (WNV) case in Colorado for 2016. The resident was not hospitalized. Infection likely occurred the last full week of May.
- Testing of mosquitoes for WNV will begin next week.
- Mosquito trap counts are at levels consistent with historic average.
- Five bats and three raccoons were tested for rabies this week with one bat testing positive.
- To date, three bats, one raccoon, and one skunk have tested positive for rabies.
- No specimens have been submitted for plague, tularemia, or hantavirus testing.

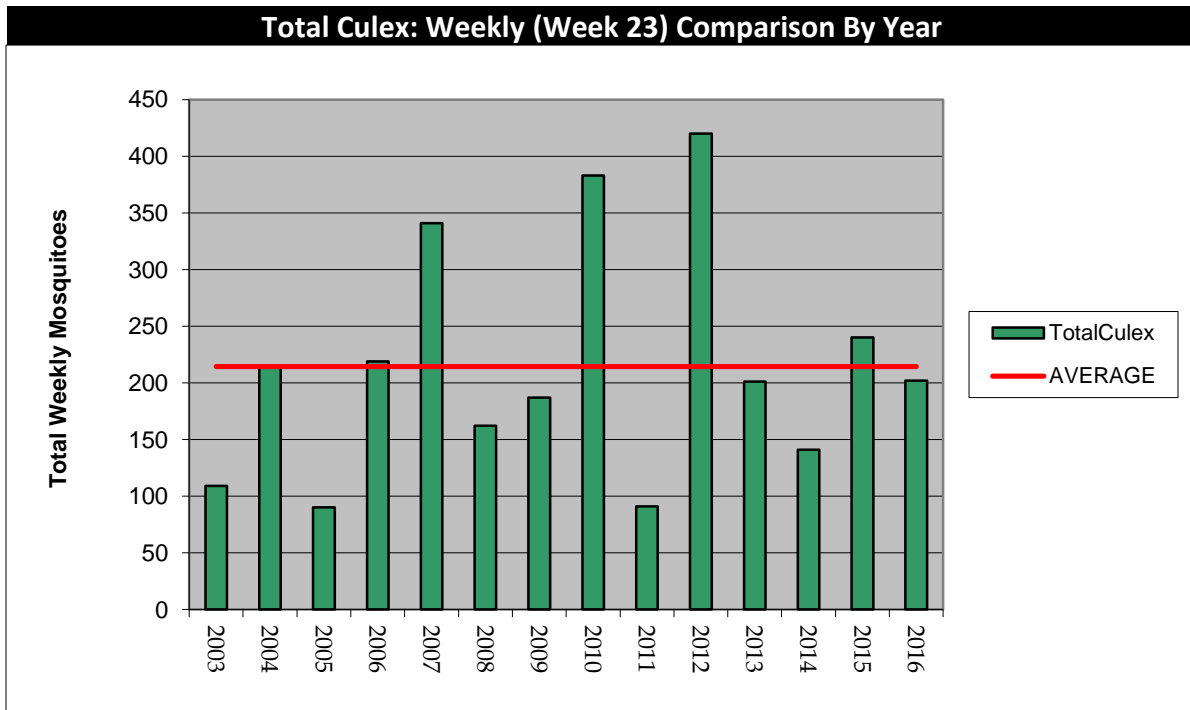
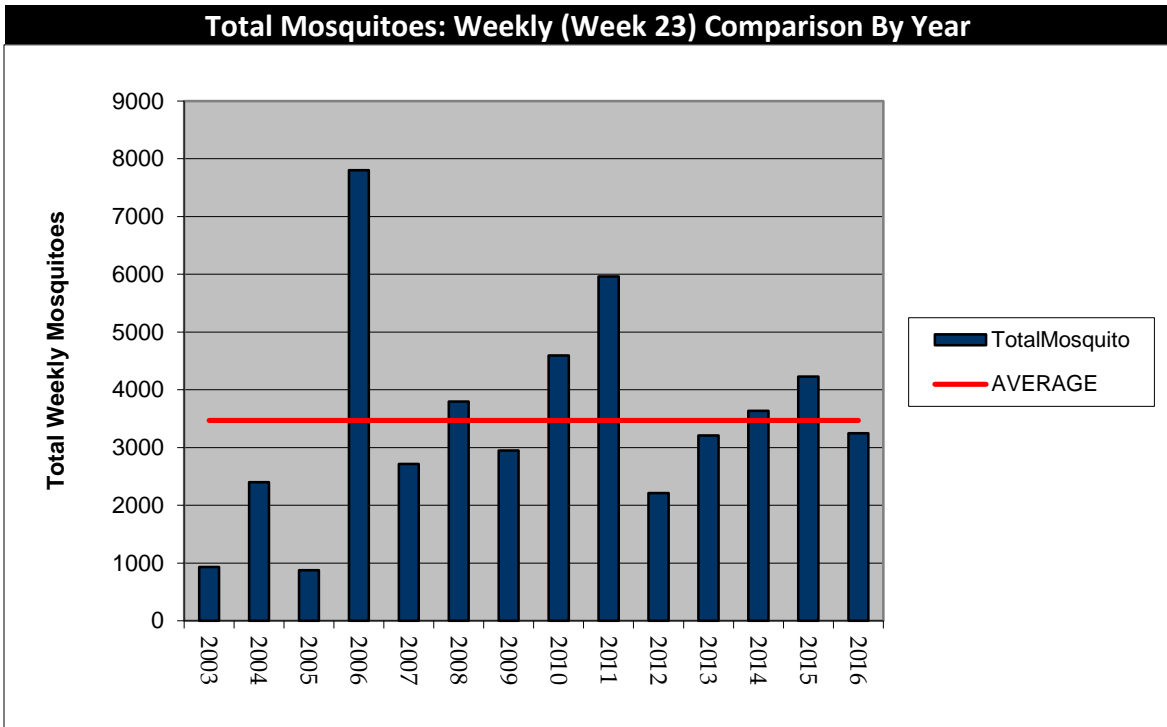
Information about symptoms, transmission, and prevention is always available at [BoulderCountyVector.org](http://BoulderCountyVector.org)

### West Nile Virus (WNV) Activity

SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	0	0
Colorado	1	0	0
United States	***	***	***

NOTE: Numbers in **red** signify an increase from the previous week.  
\*\*\* Indicates incomplete data

# Mosquito Activity



## West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District’s adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

**NOTE: (\*\*\*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

VECTOR INDEX			
Season Week	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	----	----	----
Week 22	----	----	----
Week 23	----	----	----
Week 24			
Week 25			
Week 26			
Week 27			
Week 28			
Week 29			
Week 30			
Week 31			
Week 32			
Week 33			
Week 34			
Week 35			
Week 36			
Week 37			
Week 38			
Week 39			
Week 40			

## Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

### Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (\*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

## Submissions and Results by Disease

SUBMITTED VECTORS							POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20	20	0	0	0	0	20	2	0	0	0	0	2
Wk21	3	0	0	0	0	3	2	0	0	0	0	2
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	8	0	0	0	0	8	1	0	0	0	0	1
Wk24												
Wk25												
Wk26												
Wk27												
Wk28												
Wk29												
Wk30												
Wk31												
Wk32												
Wk33												
Wk34												
Wk35												
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
<b>TOTAL TO DATE</b>	32	0	0	0	0	32	5	0	0	0	0	5

## Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	12	0	0	0
Skunk	1	0	0	0
Raccoon	15	0	0	0
Squirrel	0	0	0	0
Cat	1	0	0	0
Flea	0	0	0	0
Dog	3	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Other	0	0	0	0
<b>TOTALS</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	3	0	0	0
Skunk	1	0	0	0
Raccoon	1	0	0	0
Squirrel	0	0	0	0
Cat	0	0	0	0
Flea	0	0	0	0
Dog	0	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Other	0	0	0	0
<b>TOTALS</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Testing by Disease

