



Zoonotic Disease Report August 27 – September 02, 2017 (Week 35)

Executive Summary

- Boulder County reports no new human WNV cases.
- CDC reports 450 WNV cases and 16 deaths nationally from 35 states.
- CDPHE reports six Colorado WNV cases from Adams, Boulder (2), Jefferson, Morgan, and Phillips counties.
- West Nile virus mosquito testing has concluded for the season.
- One bat was tested for rabies this week, testing negative.
- Statewide 117 specimens have tested positive for rabies in 2017 including two domestic dogs. This compares with 88 total positive specimens in 2016.
- Colorado rabies positive specimens 2017: Skunk (61), Bat (48), Dog (2), Fox (5), Coyote (1).
- No specimens were submitted for plague, tularemia, or hantavirus testing.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

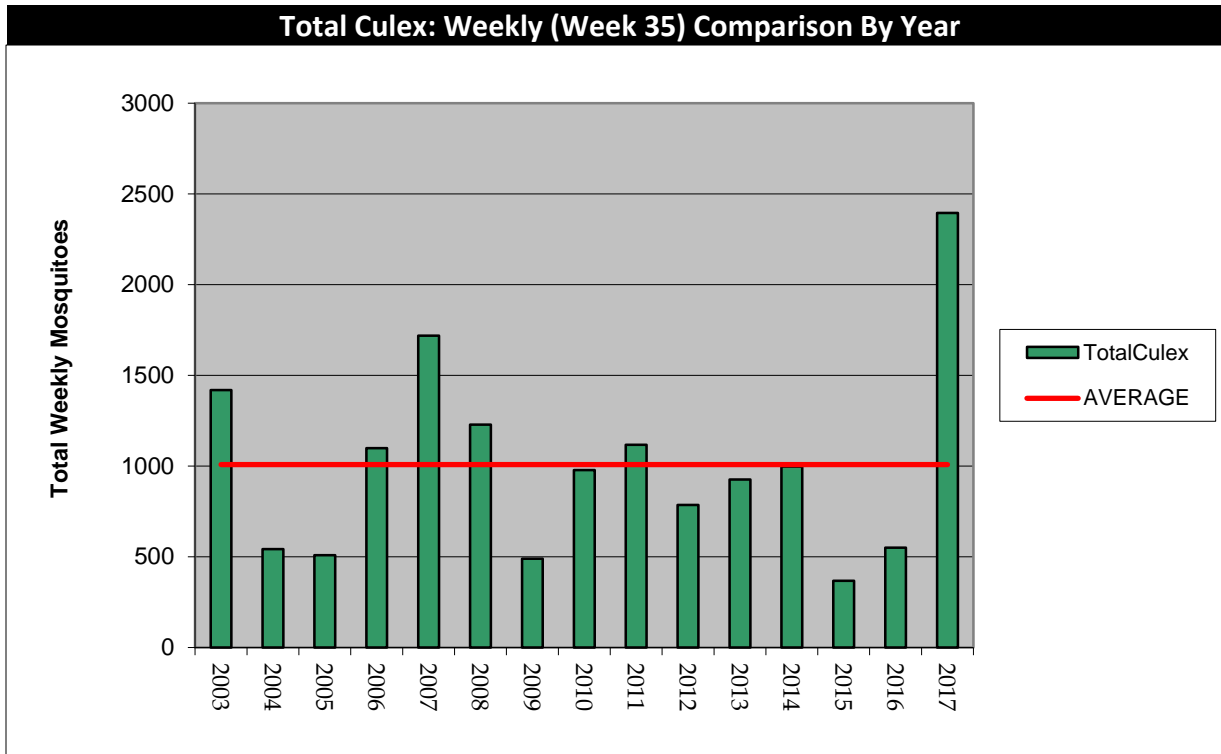
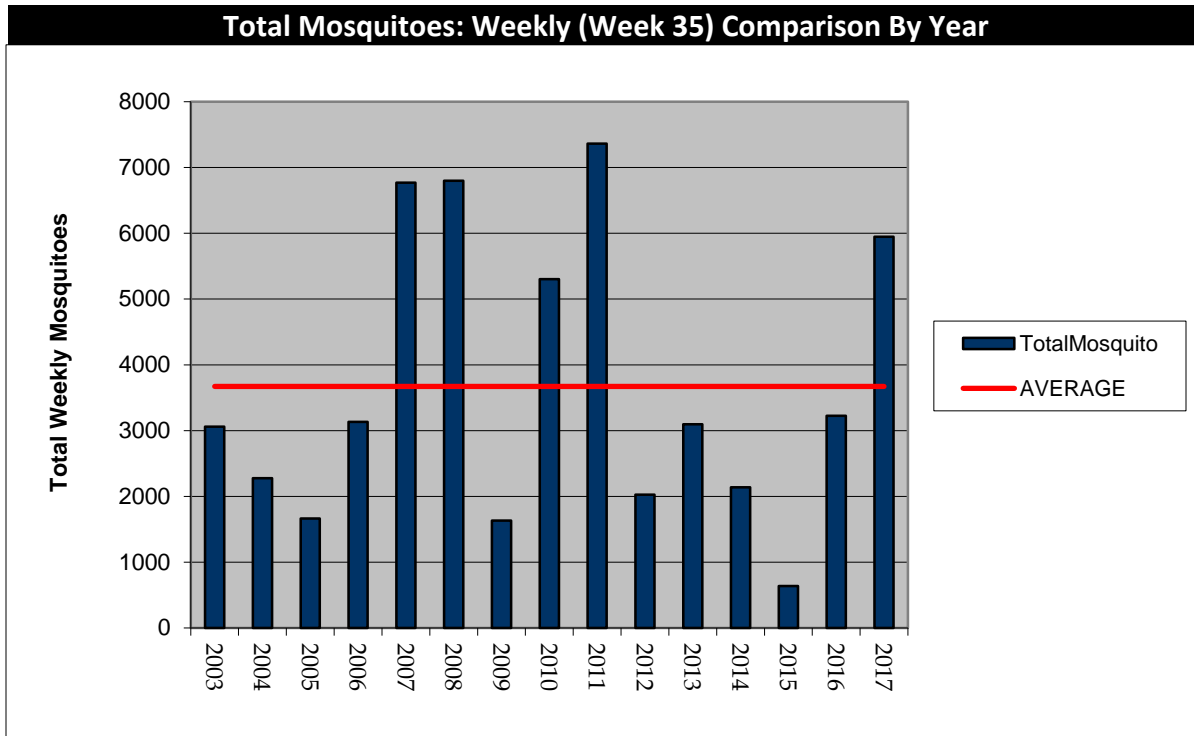
West Nile Virus (WNV) Activity

SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY			
Location	Non-Neuroinvasive Disease Cases	Neuroinvasive Disease Cases	Deaths
Boulder County	0	2	0
Colorado	2	5	0
United States	181	269	16

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](#).

VECTOR INDEX			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 21	-----	-----	-----
Week 22	-----	-----	-----
Week 23	-----	-----	-----
Week 24	0.00	0.00	0.00
Week 25	0.00	0.00	0.00
Week 26	0.00	0.00	0.00
Week 27	0.00	0.00	0.00
Week 28	0.00	0.00	0.00
Week 29	0.00	0.00	0.20
Week 30	0.00	0.36	0.38
Week 31	0.80	0.00	0.55
Week 32	0.00	0.00	0.00
Week 33	0.40	0.00	0.20
Week 34	0.20	0.64	0.19
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 all samples submitted by Boulder County Public Health, 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	*26	2	2	0	0	30	2	1	0	0	0	3
Wk21	2	0	0	0	0	2	0	0	0	0	0	0
Wk22	1	0	0	0	0	1	0	0	0	0	0	0
Wk23	5	0	0	0	0	5	0	0	0	0	0	0
Wk24	4	0	0	5	0	9	0	0	0	0	0	0
Wk25	5	1	0	6	0	12	1	0	0	0	0	1
Wk26	2	0	0	7	0	9	0	0	0	0	0	0
Wk27	3	2	2	13	0	20	2	0	0	0	0	2
Wk28	*6	0	0	21	0	27	0	0	0	0	0	0
Wk29	*10	0	0	25	0	35	1	0	0	1	0	2
Wk30	5	0	1	31	0	37	0	0	0	2	0	2
Wk31	*2	1	0	29	0	32	0	0	0	4	0	4
Wk32	4	0	0	19	0	23	0	0	0	0	0	0
Wk33	3	0	0	19	0	22	0	0	0	3	0	3
Wk34	*9	1	0	13	0	18	0	0	0	5	0	5
Wk35	1	0	0	0	0	1	0	0	0	0	0	0
Wk36												
Wk37												
Wk38												
Wk39												
Wk40												
TOTAL TO DATE	88	7	5	188	0	288	6	1	0	15	0	22

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	54	0	0	0
Skunk	1	0	0	0
Raccoon	21	1	1	0
Squirrel	0	0	1	0
Cat	7	5	2	0
Flea	0	0	0	0
Dog	5	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	1	1	0
Other	0	0	0	0
TOTALS	88	7	5	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	5	0	0	0
Skunk	1	0	0	0
Raccoon	0	0	0	0
Squirrel	0	0	0	0
Cat	0	1	0	0
Flea	0	0	0	0
Dog	0	0	0	0
Fox	0	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	0	0
Other	0	0	0	0
TOTALS	6	1	0	0

Testing by Disease

