



Zoonotic Disease Report

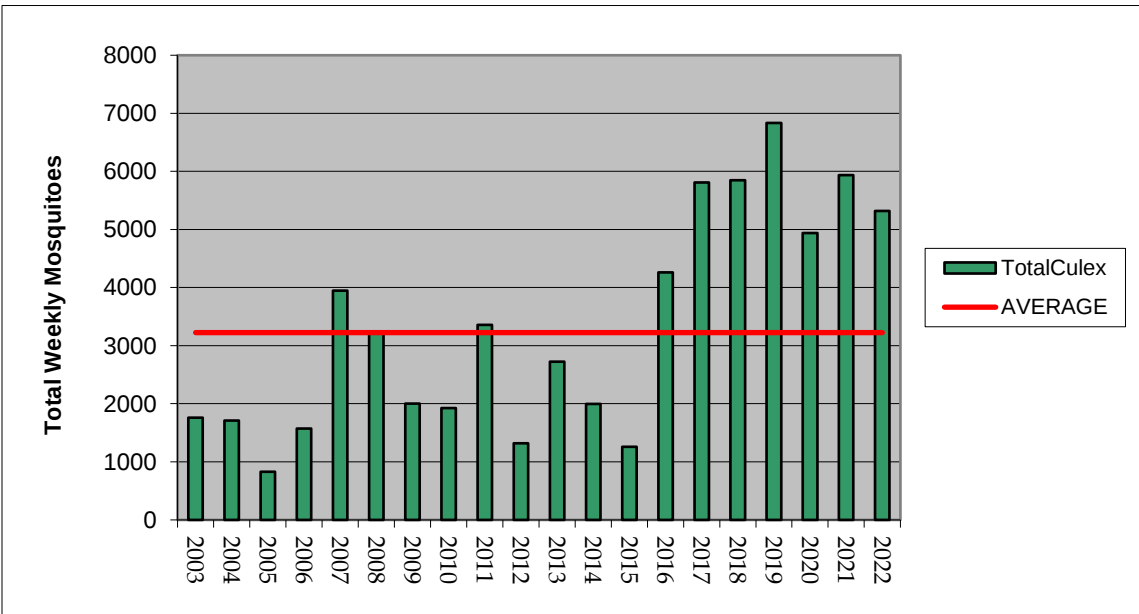
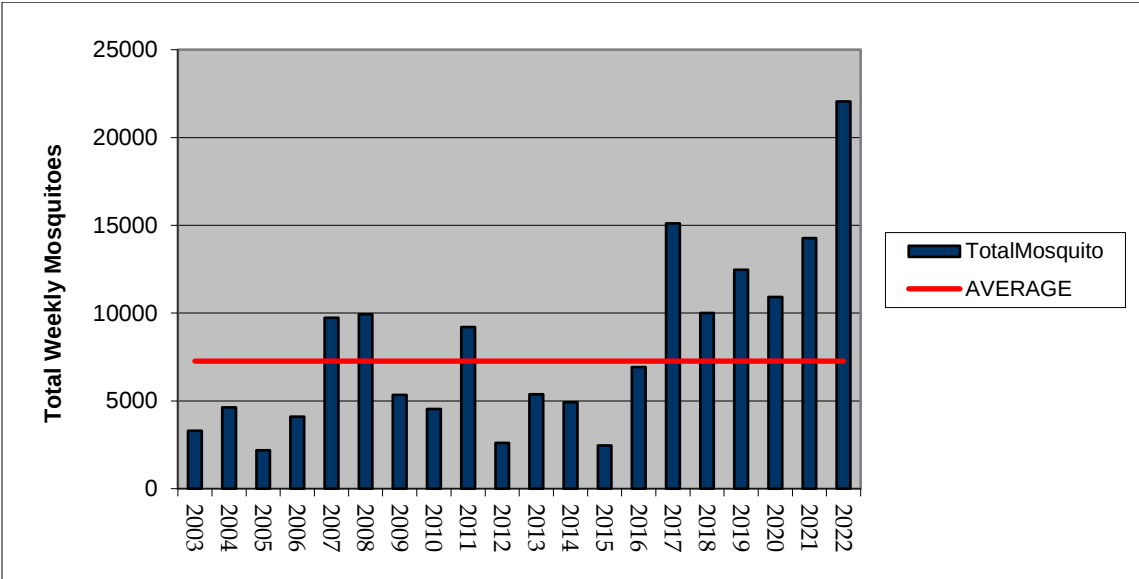
August 14 – August 20, 2022 (Week 33)

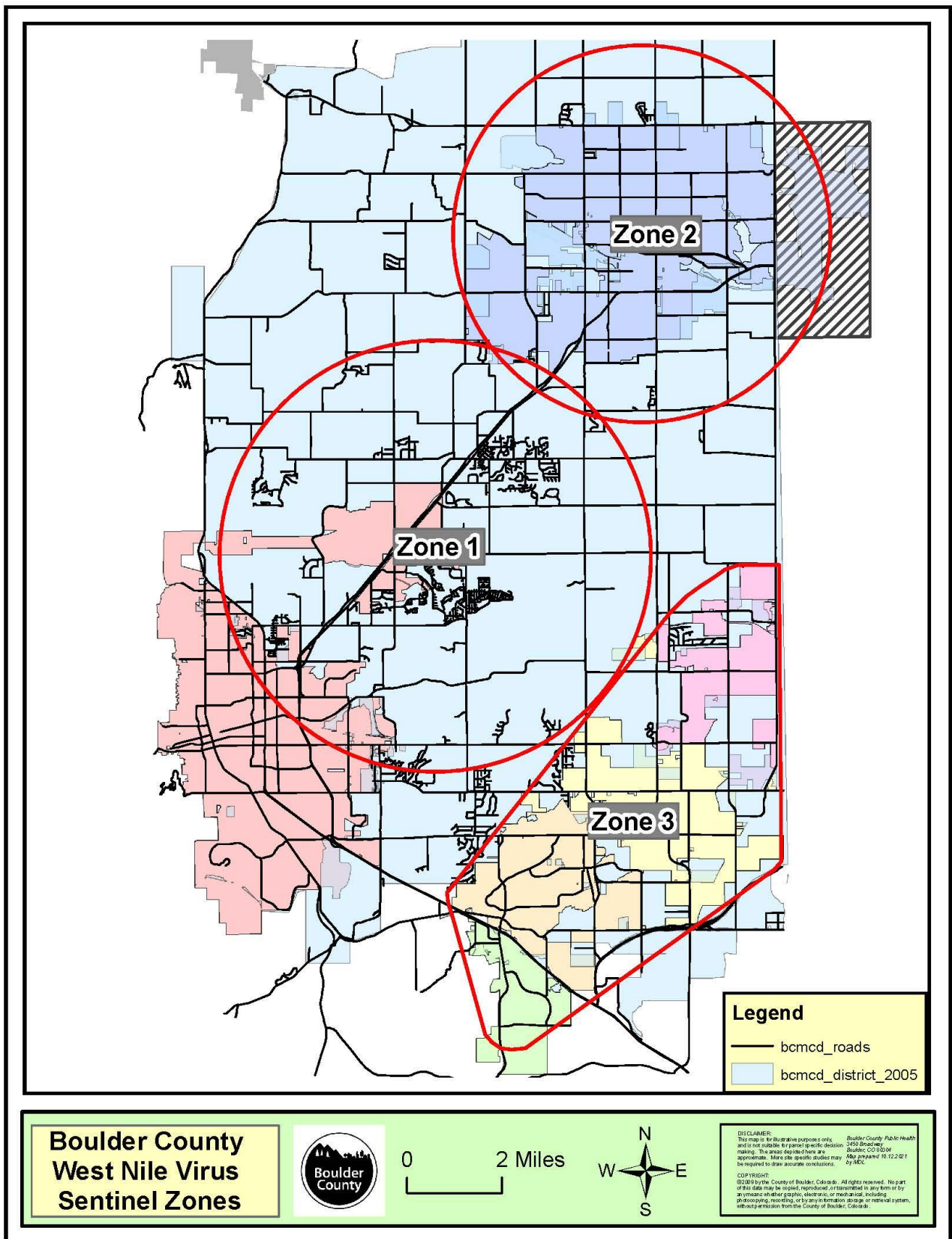
Executive Summary

- Seven specimens were submitted for rabies testing this week: Bat (6), Raccoon (1). Five bats and the raccoon tested negative. Results are pending on one bat.
- Statewide, 51 specimens have tested positive for rabies in 2022: Bat (29), Skunk (22).
- No specimens were submitted for plague, tularemia or hantavirus.
- Nuisance and *Culex* (WNV vectors) mosquito species are above historic average for this week.
- Nine of fifteen mosquito pools tested positive this week. Risk of West Nile virus transmission continues to be elevated to high in all areas of Eastern Boulder County.
- CDPHE reports 119 WNV positive mosquito pools: Adams (7), Boulder (31), Denver (1), Larimer (48), Mesa (6), Weld (26). Actual Boulder County count is 43 underreported due to data lag.
- CDPHE reports five human WNV cases: Arapahoe (1), Boulder (1), Delta (2), Montrose (1).

West Nile Virus Disease Cases and Presumptive Viremic Blood Donors by State – United States, 2022 (August 9, 2022)					
State	Neuroinvasive Disease Cases†	Non–neuroinvasive Disease Cases	Total cases	Deaths	Presumptive viremic blood donors‡
Alabama	1	0	1	0	1
Arizona	10	4	14	2	0
California	5	2	7	0	3
Colorado	2	2	4	0	3
Louisiana	3	1	4	1	2
Minnesota	1	0	1	0	0
Mississippi	2	1	3	0	0
Missouri	1	0	1	0	0
Nebraska	0	3	3	0	1
North Dakota	1	4	5	0	1
Pennsylvania	3	3	6	0	0
South Dakota	0	0	0	0	2
Texas	5	0	5	1	0
Totals	34	20	54	4	13

Mosquito Activity – Week 33





VECTOR INDEX LOG			
	ZONE 1	ZONE 2	ZONE 3
Season Week	Vector Index	Vector Index	Vector Index
Week 26	0.00	0.00	0.00
Week 27	0.93	0.49	0.30
Week 28	1.22	0.00	1.95
Week 29	2.79	0.97	3.52
Week 30	0.86	0.20	1.41
Week 31	2.44	2.16	2.22
Week 32	0.55	0.47	1.17
Week 33	0.67	0.89	1.30
Week 34			
Week 35			
Week 36			
Week 37			
Week 38			
Week 39			
Week 40			

Note: Table reflects only testing submitted by Boulder County Public Health. Additional testing may occur through other agencies.

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 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

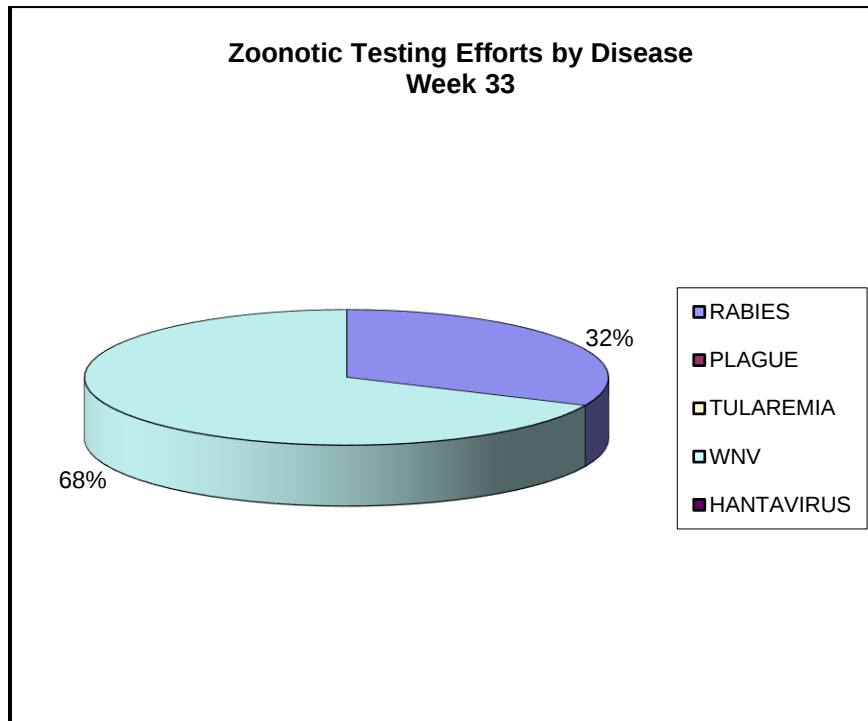
SUBMITTED VECTORS							POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20*	26	5	5	0	0	26	4	0	0	0	0	4
Wk21	0	0	0	0	0	0	0	0	0	0	0	0
Wk22	3	0	0	0	0	3	1	0	0	0	0	1
Wk23	4	0	0	0	0	4	0	0	0	0	0	0
Wk24	4	0	0	0	0	4	2	0	0	0	0	2
Wk25	9	0	0	0	0	9	2	0	0	0	0	2
Wk26*	8	0	0	4	0	12	0	0	0	0	0	0
Wk27	1	0	0	15	0	16	0	0	0	5	0	5
Wk28	5	0	0	15	0	20	0	0	0	3	0	3
Wk29*	5	0	0	15	0	20	0	0	0	5	0	5
Wk30	10	0	0	15	0	25	1	0	0	7	0	8
Wk31	0	0	0	15	0	15	0	0	0	7	0	7
Wk32*	10	0	0	15	0	25	0	0	0	7	0	7
Wk33	7	0	0	15	0	22	0	0	0	9	0	9
Wk34						0						0
Wk35						0						0
Wk36						0						0
Wk37						0						0
Wk38						0						0
Wk39						0						0
Wk40						0						0
TOTAL TO DATE	92	5	5	109	0	201	10	0	0	43	0	53

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	55	0	0	0
Skunk	7	0	0	0
Raccoon	14	0	0	0
Coyote	1	0	0	0
Fox	0	0	0	0
Cat	7	0	0	0
Dog	4	3	3	0
Squirrel	1	1	1	0
Prairie Dog	0	0	0	0
Rabbit	0	0	0	0
Flea	0	0	0	0
Other	3	1	1	0
TOTALS	92	5	5	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	5	0	0	0
Skunk	5	0	0	0
Raccoon	0	0	0	0
Coyote	0	0	0	0
Fox	0	0	0	0
Cat	0	0	0	0
Dog	0	0	0	0
Squirrel	0	0	0	0
Prairie Dog	0	0	0	0
Rabbit	0	0	0	0
Flea	0	0	0	0
Other	0	0	0	0
TOTALS	10	0	0	0

Testing by Disease



Lab-confirmed, rabies positive animals by Colorado county, Jan. 1 - August 19, 2022

County	Bat	Skunk	Other wildlife	Domestic	Total
Adams	2	2			4
Arapahoe	1				1
Boulder	5	5			10
Broomfield		2			2
Denver	3				3
El Paso	4				4
Jefferson	4	7			11
La Plata	2				2
Larimer	3				3
Pueblo	4				4
Washington		1			1
Weld	1	5			6
Total	29	22	0	0	51

Highlighted numbers represent an increase from the previous week