



Zoonotic Disease Report

September 4 – September 10, 2022 (Week 36)

Executive Summary

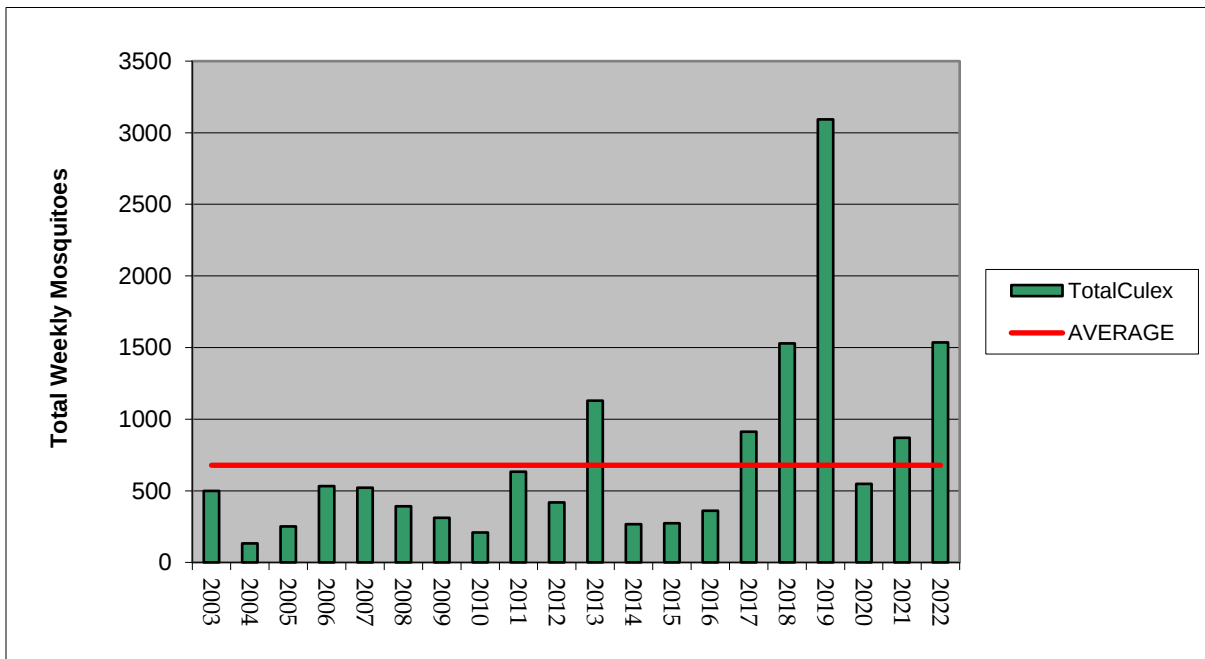
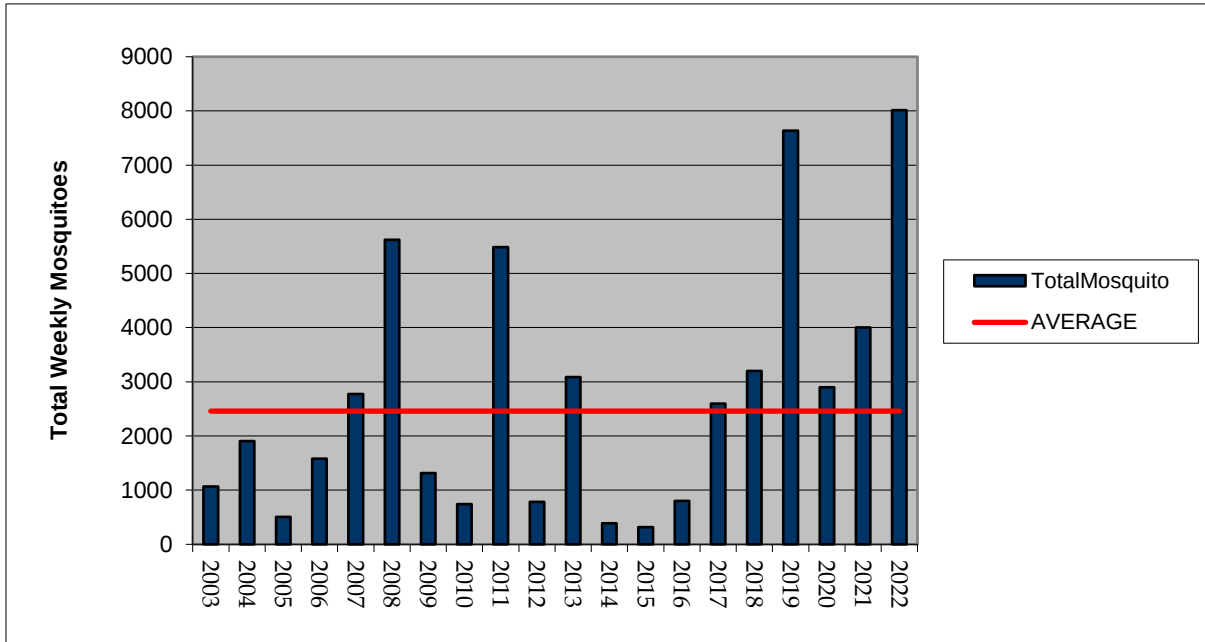
- Two bats were submitted for rabies testing with one testing positive.
- Statewide, 62 specimens have tested positive for rabies in 2022: Bat (39), Skunk (23).
- No specimens were submitted for plague, tularemia or hantavirus.
- Nuisance and *Culex* (WNV vectors) mosquito species are above historic average for this week.
- Last week six of nine mosquito pools tested positive from all zones. While abundance of vector species is decreasing, precautions should still be taken by residents to avoid mosquito bites. This week's test results are pending.
- CDPHE reports 231 WNV positive mosquito pools: Adams (7), Boulder (48), Denver (7), Larimer (111), Mesa (11), Weld (47). Actual Boulder County count is 57 underreported due to data lag.
- CDPHE reports 63 human WNV cases: Adams (8), Arapahoe (1), Boulder (10), Broomfield (4), Delta (6), Denver (2), Eagle (1), Elbert (1), Freemont (1), Larimer (5), Montrose (19), Weld (5).

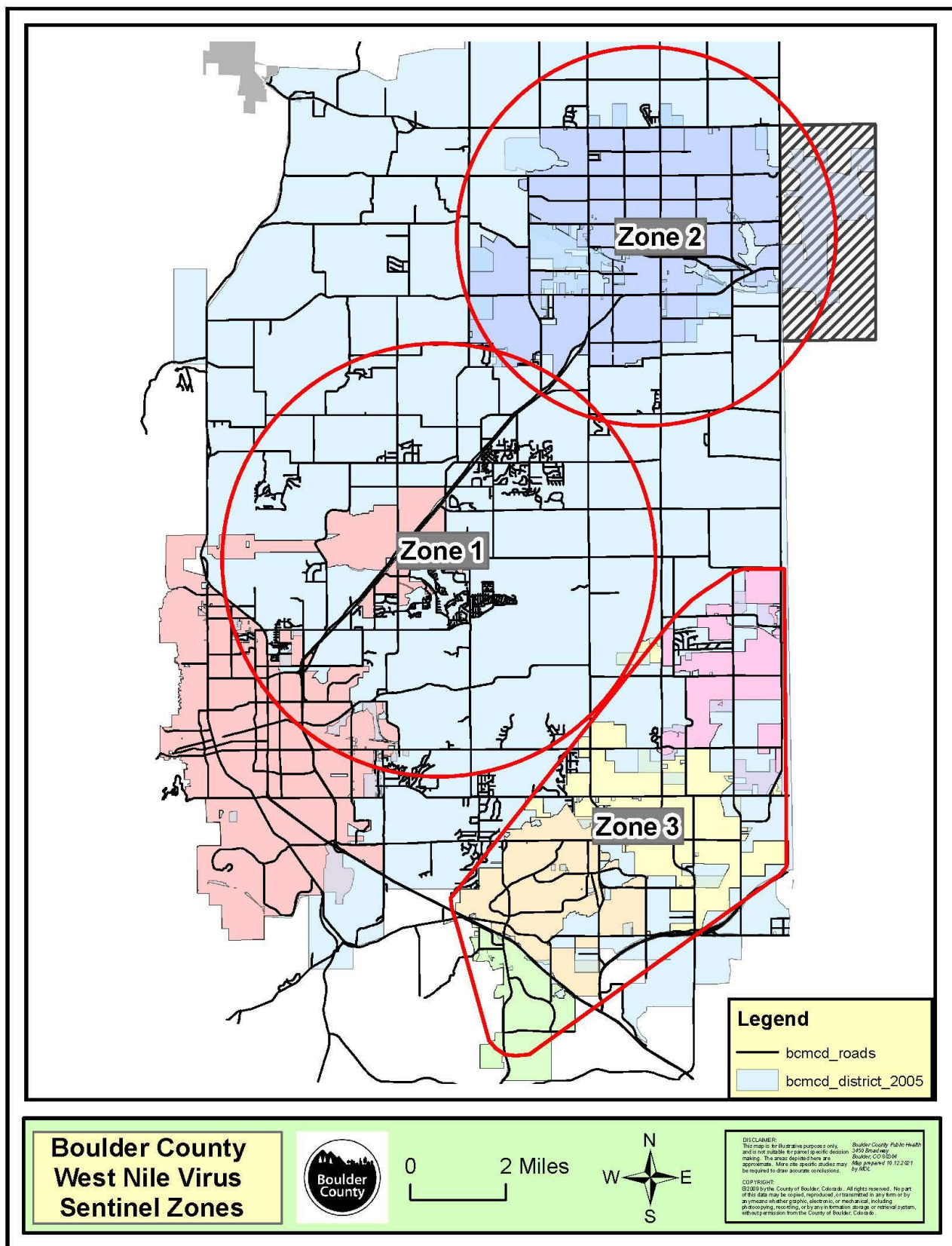
Lab-confirmed, rabies positive animals by Colorado county, Jan. 1 - September 9, 2022

County	Bat	Skunk	Other wildlife	Domestic	Total
Adams	2	2			4
Arapahoe	1				1
Boulder	6	6			12
Broomfield		2			2
Custer	1				1
Denver	4				4
Eagle	1				1
El Paso	4				4
Jefferson	6	7			13
La Plata	2				2
Larimer	5				5
Pueblo	4				4
Saguache	2				2
Washington		1			1
Weld	1	5			6
Total	39	23	0	0	62

Highlighted numbers represent an increase from the previous week

Mosquito Activity – Week 36





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	2.85	1.05	0.00
Week 35	0.47	0.40	0.48
Week 36	Pending	Pending	Pending
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

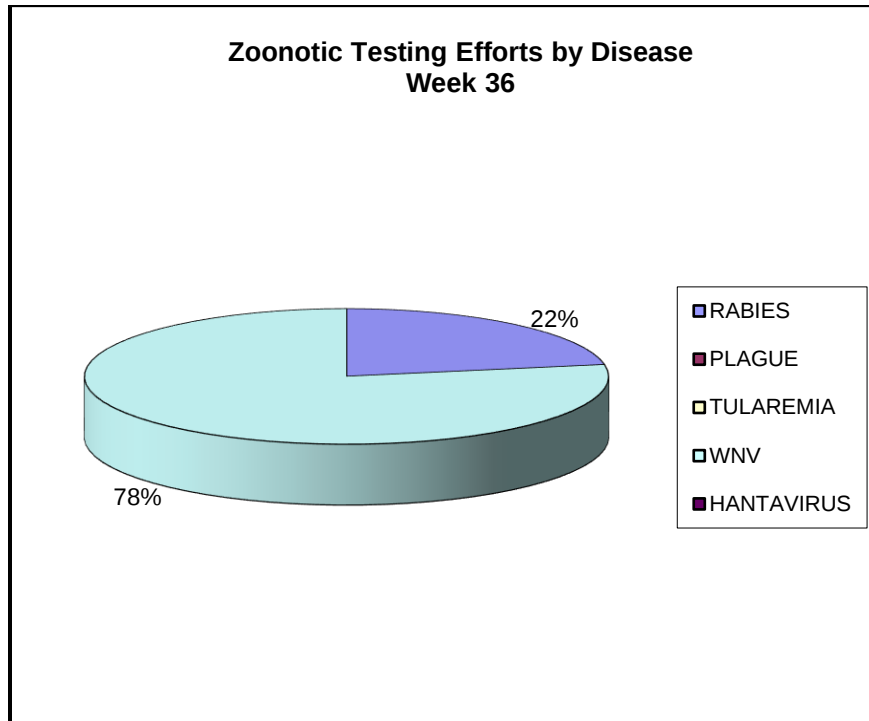
SUBMITTED VECTORS							POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20*	26	5	5	0	0	26	4	0	0	0	0	4
Wk21	0	0	0	0	0	0	0	0	0	0	0	0
Wk22	3	0	0	0	0	3	1	0	0	0	0	1
Wk23	4	0	0	0	0	4	0	0	0	0	0	0
Wk24	4	0	0	0	0	4	2	0	0	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	8	0	0	15	0	23	0	0	0	9	0	9
Wk34	2	0	0	15	0	17	1	0	0	8	0	9
Wk35	6	0	0	9	0	15	0	0	0	6	0	6
Wk36	2	0	0	7	0	9	1	0	0	0	0	1
Wk37						0						0
Wk38						0						0
Wk39						0						0
Wk40						0						0
TOTAL TO DATE	103	5	5	140	0	243	12	0	0	57	0	69

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	62	0	0	0
Skunk	8	0	0	0
Raccoon	16	0	0	0
Coyote	1	0	0	0
Fox	0	0	0	0
Cat	8	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	103	5	5	0

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	6	0	0	0
Skunk	6	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	12	0	0	0

Testing by Disease



West Nile Virus Disease Cases and Presumptive Viremic Blood Donors by State – United States, 2022 (September 6, 2022)

State	Neuroinvasive Disease Cases†	Non–neuroinvasive Disease Cases	Total cases	Deaths	Presumptive viremic blood donors‡
Alabama	1	0	1	0	1
Arizona	12	6	18	2	0
California	23	11	34	3	8
Colorado	16	12	28	1	10
Florida	1	0	1	0	0
Georgia	4	1	5	0	2
Indiana	1	0	1	0	0
Iowa	1	0	1	0	1
Kansas	0	2	2	0	0
Louisiana	23	1	24	3	3
Massachusetts	2	0	2	0	0
Minnesota	1	1	2	0	0
Mississippi	2	1	3	0	0
Missouri	1	0	1	0	0
Nebraska	1	6	7	0	4
New Jersey	1	1	2	0	0
New York	12	1	13	0	1
North Carolina	3	0	3	0	0
North Dakota	3	7	10	0	2
Ohio	3	0	3	0	0
Pennsylvania	4	3	7	0	1
South Dakota	8	8	16	0	4
Texas	10	1	11	2	4
Virginia	1	0	1	0	0
Washington	1	0	1	0	0
Wyoming	0	1	1	0	0
Totals	135	63	198	11	41