



## Zoonotic Disease Report August 28 – September 3, 2022 (Week 35)

### Executive Summary

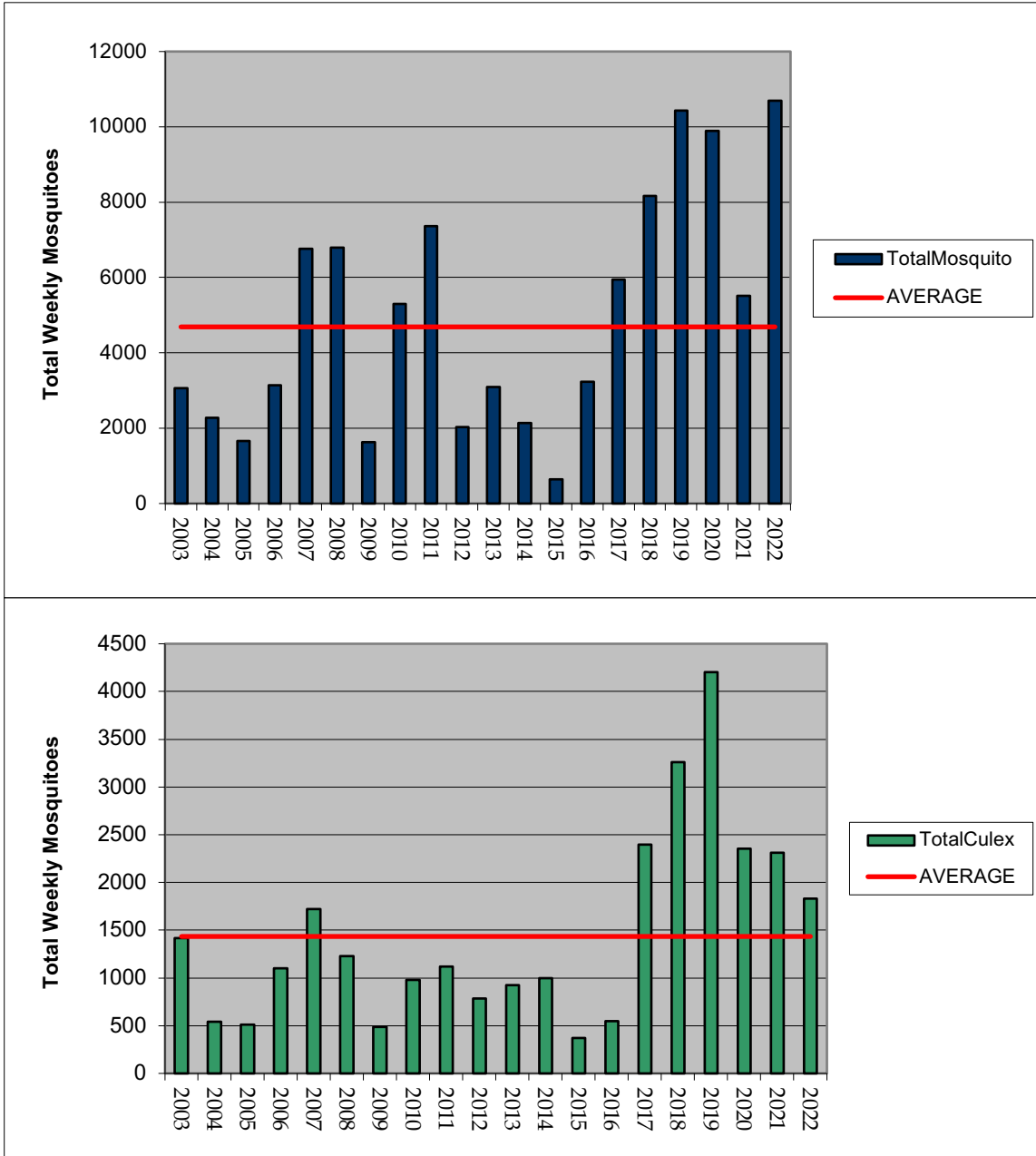
- Three bats and two raccoons were submitted for rabies testing this week. All specimens tested negative.
- Statewide, 57 specimens have tested positive for rabies in 2022: Bat (34), Skunk (23).
- No specimens were submitted for plague, tularemia or hantavirus.
- Nuisance and *Culex* (WNV vectors) mosquito species are above historic average for this week.
- Last week eight of fifteen mosquito pools tested positive this week. Zone 3 did not return any positives. Precautions should still be taken by residents to avoid mosquito bites. This week's testing is still pending.
- CDPHE reports 199 WNV positive mosquito pools: Adams (7), Boulder (48), Denver (3), Larimer (88), Mesa (6), Weld (47). Actual Boulder County count is 51 underreported due to data lag.
- CDPHE reports thirty-nine human WNV cases: Adams (4), Arapahoe (1), Boulder (3), Broomfield (3), Delta (5), Denver (2), Eagle (1), Fremont (1), Larimer (4), Montrose (10), Weld (5).

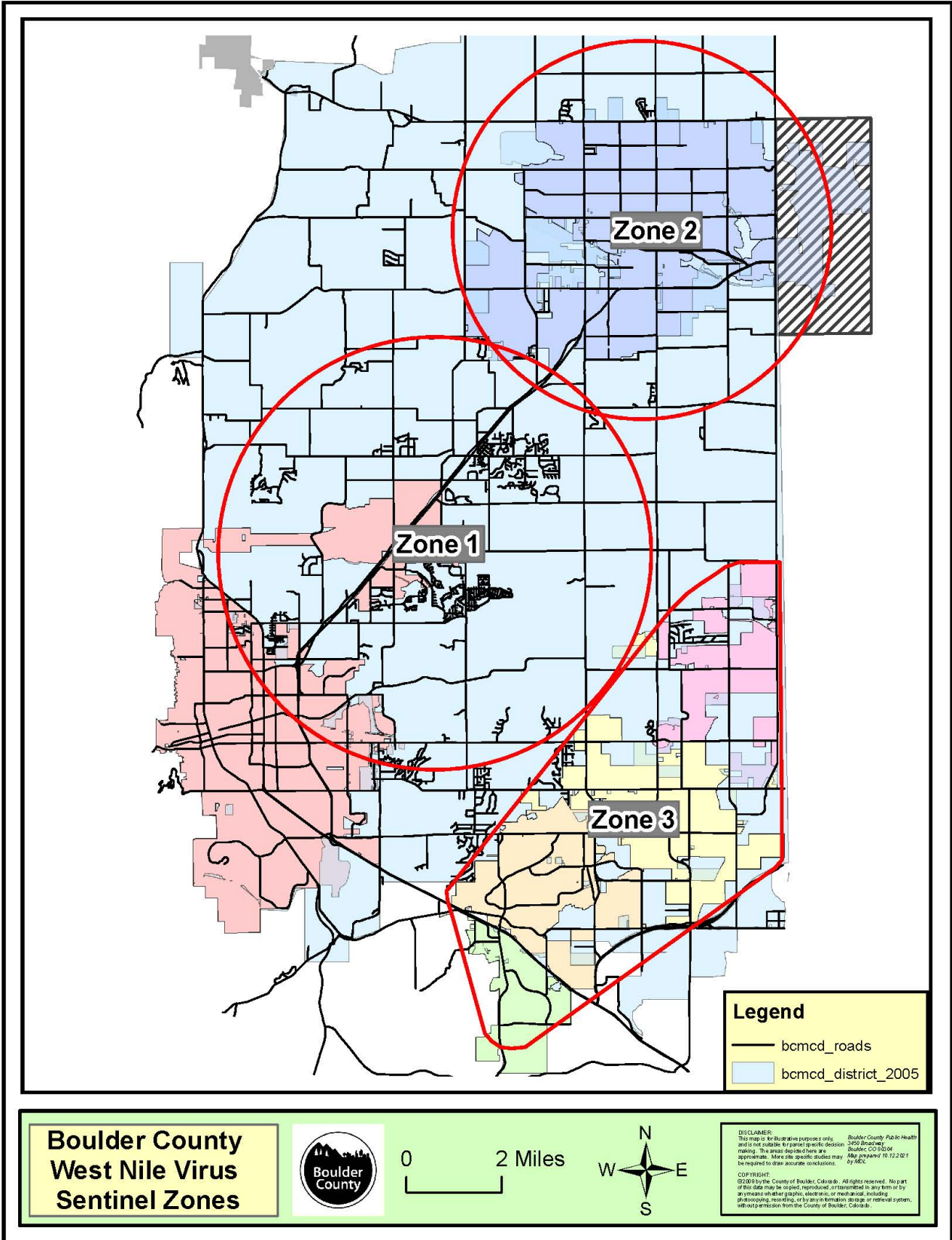
**Lab-confirmed, rabies positive animals by Colorado county, Jan. 1 - August 26, 2022**

County	Bat	Skunk	Other wildlife	Domestic	Total
Adams	2	2			4
Arapahoe	1				1
Boulder	5	6			11
Broomfield		2			2
Denver	4				4
El Paso	4				4
Jefferson	5	7			12
La Plata	2				2
Larimer	4				4
Pueblo	4				4
Saguache	2				2
Washington		1			1
Weld	1	5			6
<b>Total</b>	<b>34</b>	23	0	0	<b>57</b>

Highlighted numbers represent an increase from the previous week

## Mosquito Activity – Week 35





<b>VECTOR INDEX LOG</b>			
	<b>ZONE 1</b>	<b>ZONE 2</b>	<b>ZONE 3</b>
<b>Season Week</b>	<b>Vector Index</b>	<b>Vector Index</b>	<b>Vector Index</b>
Week 26	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Week 27	<b>0.93</b>	<b>0.49</b>	<b>0.30</b>
Week 28	<b>1.22</b>	<b>0.00</b>	<b>1.95</b>
Week 29	<b>2.79</b>	<b>0.97</b>	<b>3.52</b>
Week 30	<b>0.86</b>	<b>0.20</b>	<b>1.41</b>
Week 31	<b>2.44</b>	<b>2.16</b>	<b>2.22</b>
Week 32	<b>0.55</b>	<b>0.47</b>	<b>1.17</b>
Week 33	<b>0.67</b>	<b>0.89</b>	<b>1.30</b>
Week 34	<b>2.85</b>	<b>1.05</b>	<b>0.00</b>
Week 35	<b>Pending</b>	<b>Pending</b>	<b>Pending</b>
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

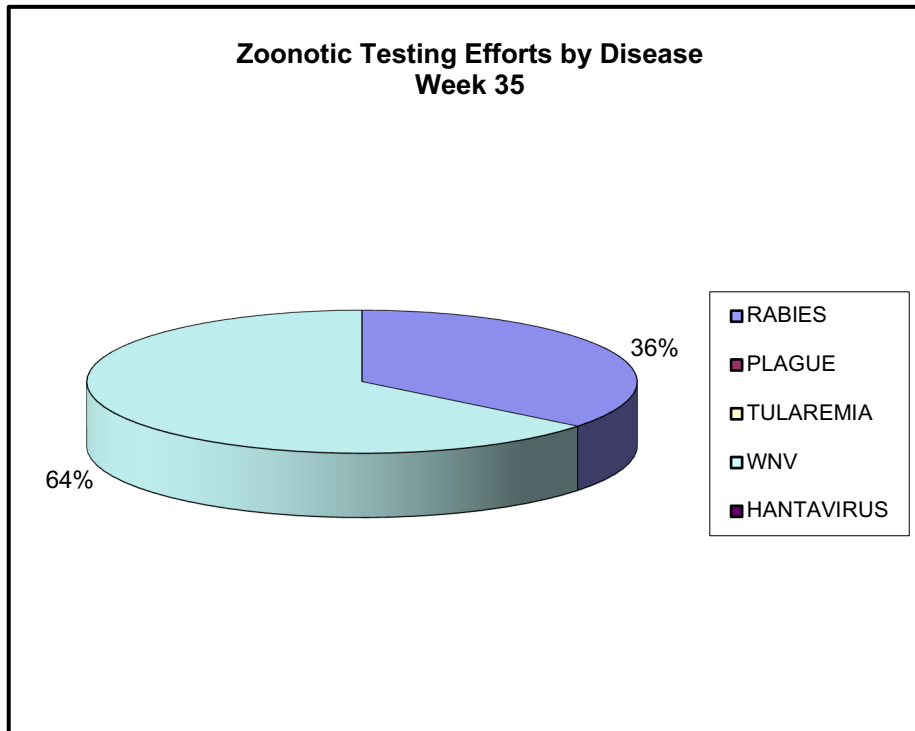
	SUBMITTED VECTORS						POSITIVE VECTORS					
	RABIES	PLAGUE	TULAREMIA	WNV POOLS	HANTA VIRUS	TOTAL	RABIES+	PLAGUE+	TULAREMIA+	WNV POOLS+	HANTA VIRUS+	TOTAL
Wk 1-20*	26	5	5	0	0	26	4	0	0	0	0	4
Wk21	0	0	0	0	0	0	0	0	0	0	0	0
Wk22	3	0	0	0	0	3	1	0	0	0	0	1
Wk23	4	0	0	0	0	4	0	0	0	0	0	0
Wk24	4	0	0	0	0	4	2	0	0	0	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	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	5	0	0	9	0	14	0	0	0	0	0	0
Wk36						0						0
Wk37						0						0
Wk38						0						0
Wk39						0						0
Wk40						0						0
<b>TOTAL TO DATE</b>	100	5	5	133	0	233	11	0	0	51	0	62

## Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	59	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
<b>TOTALS</b>	<b>100</b>	<b>5</b>	<b>5</b>	<b>0</b>

SEASON-TO-DATE DISEASE POSITIVES BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	5	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
<b>TOTALS</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Testing by Disease



**West Nile Virus Disease Cases and Presumptive Viremic Blood Donors by State – United States, 2022 (August 23, 2022)**

State	Neuroinvasive Disease Cases†	Non–neuroinvasive Disease Cases	Total cases	Deaths	Presumptive viremic blood donors‡
Alabama	1	0	1	0	1
Arizona	11	5	16	2	0
California	12	6	18	0	7
Colorado	8	5	13	0	5
Georgia	2	1	3	0	2
Iowa	0	0	0	0	1
Louisiana	9	0	9	2	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
New York	4	0	4	0	0
North Carolina	0	1	1	0	0
North Dakota	1	4	5	0	1
Ohio	1	0	1	0	0
Pennsylvania	3	3	6	0	1
South Dakota	3	3	6	0	4
Texas	7	0	7	2	4
<b>Totals</b>	<b>66</b>	<b>32</b>	<b>98</b>	<b>6</b>	<b>29</b>