



Zoonotic Disease Report

August 7 – August 13, 2022 (Week 32)

Executive Summary

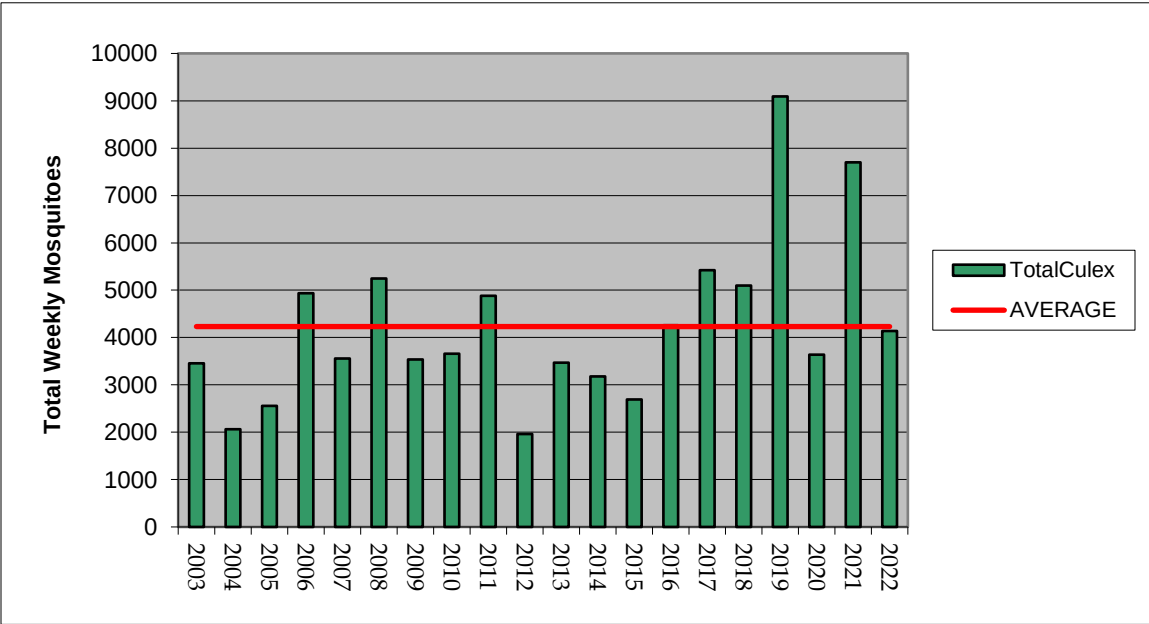
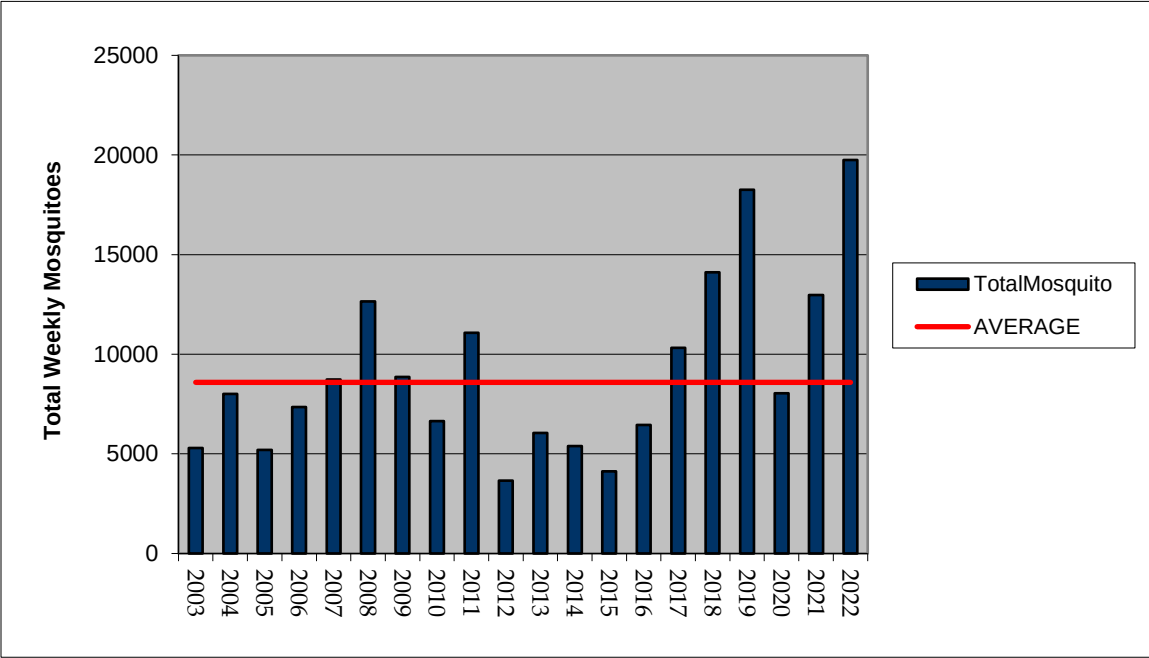
- Ten specimens were submitted for rabies testing this week: Bat (9), Raccoon (1). One bat was untestable. All other samples were negative.
- Statewide, 50 specimens have tested positive for rabies in 2022: Bat (29), Skunk (21).
- Nuisance mosquito species are above historic average, but *Culex* species (WNV vectors) are on average for this week.
- Last week seven mosquito pools tested positive in Boulder County from traps in Unincorporated Boulder County, Longmont, Lafayette, Louisville and Superior. Risk of West Nile virus transmission remains high.
- Fifteen mosquito pools were submitted for West Nile testing this week. Results are pending.
- CDPHE reports 82 WNV positive mosquito pools: Adams (4), Boulder (21), Larimer (36), Mesa (6), Weld (15).
- CDPHE reports five human WNV cases: Arapahoe (1), Boulder (1), Delta (2), Montrose (1).
- Nationally, CDC reports 30 human WNV cases with four deaths in Arizona (2), Louisiana (1), Texas (1). Human case count: Alabama (1), Arizona (14), California (7), Colorado (2), Louisiana (4), Minnesota (1), Mississippi (3), Missouri (1), Nebraska (1), North Dakota (5), Pennsylvania (6), Texas (5). *Data as of August 9, 2022.*

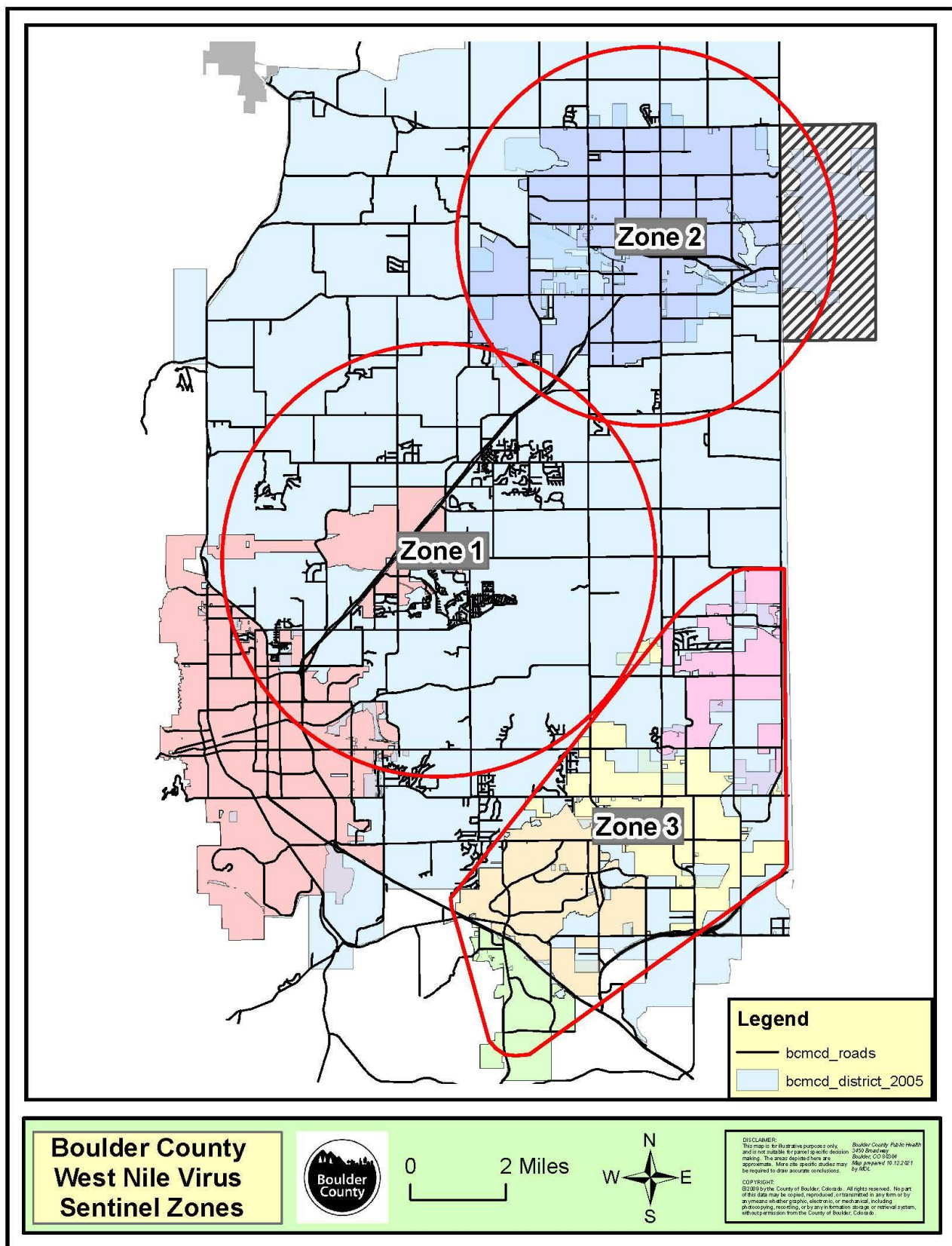
Lab-confirmed, rabies positive animals by Colorado county, Jan. 1 - August 12, 2022

County	Bat	Skunk	Other wildlife	Domestic	Total
Adams	2	1			3
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	2				2
Pueblo	4				4
Washington		1			1
Weld	1	5			6
Total	29	21	0	0	50

Highlighted numbers represent an increase from the previous week

Mosquito Activity – Week 32





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	Pending	Pending	Pending
Week 33			
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	0	0	0	
Wk33						0						0	
Wk34						0						0	
Wk35						0						0	
Wk36						0						0	
Wk37						0						0	
Wk38						0						0	
Wk39						0						0	
Wk40						0						0	
TOTAL TO DATE	85	5	5	94	0	179	10	0	0	27	0	37	

Submissions and Results by Species

SEASON-TO-DATE DISEASE TESTING BY SPECIES				
<i>Species</i>	Rabies	Plague	Tularemia	Hanta
Bat	49	0	0	0
Skunk	7	0	0	0
Raccoon	13	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	85	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

