

**Zoonotic Surveillance Update**  
**Week of July 8<sup>th</sup> to July 14<sup>th</sup>, 2007**

Boulder County Animal / Arthropod Zoonotic Surveillance				
Species	Week of July 8 <sup>th</sup> to July 14 <sup>th</sup>		Season Summary	
	Tested	Positive (%)	Total Specimens	Total Positive (%)
<b>Bubonic Plague</b>				
Cat	1		4	
*Flea			10	<b>1 (10%)</b>
Fox				
Dog			1	
Squirrel, tree ( <i>Sicrus niger</i> )			12	
Squirrel, 13 lined ( <i>Spermophilus tridecemlineatus</i> )				
Rabbit			2	
<b>Plague Grand Total</b>	<b>1</b>	<b>0</b>	<b>29</b>	<b>1 (3%)</b>
<b>Rabies</b>				
Bat, not speciated			1	
Big brown bat ( <i>Eptesicus fuscus</i> )			31	<b>5 (16%)</b>
California bat ( <i>Myotis californicus</i> )				
Hoary bat ( <i>Lasiurus cinereus</i> )			3	<b>2 (67%)</b>
Little brown bat ( <i>M. lucifugus</i> )				
Long-eared myotis ( <i>M. evotis</i> )				
Myotis species			9	
Silver-haired bat ( <i>Lasionycteris noctivagans</i> )			1	
Western small-footed myotis ( <i>M. ciliolabrum</i> )				
Cat			3	
Dog				
Raccoon				
Skunk				
<b>Rabies Grand Total</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>7 (15%)</b>

\* Flea pools tested. One pool could equal 1-234 fleas.

**Boulder County Animal / Arthropod Zoonotic Surveillance**

Species	Week of July 8 <sup>th</sup> to July 14 <sup>th</sup>		Season Summary	
	Tested	Positive (%)	Total Specimens	Total Positive (%)
<b>Tularemia</b>				
Cat	1		4	
Dog			1	
*Flea			10	
Fox				
Prairie Dog				
Squirrel, tree ( <i>Sicrus niger</i> )			12	
Squirrel, 13 lined ( <i>Spermophilus tridecemlineatus</i> )				
Rabbit			2	
<b>Tularemia Grand Total</b>	<b>1</b>	<b>0 (0%)</b>	<b>29</b>	<b>0 (0%)</b>
<b>West Nile Virus</b>				
American Crow			3	
Avian Other				
Black-billed Magpie			2	
Blue Jay			1	
** <i>Culex pipiens</i>	1		17	
** <i>Culex tarsalis</i>	25	<b>5 (20%)</b>	114	<b>6 (5%)</b>
** <i>Culex</i> species, other			3	
** <i>Culiseta</i> species				
Horse				
Raptor				
Raven, common				
Stellar Jay				
<b>West Nile Grand Total</b>	<b>26</b>	<b>5 (20%)</b>	<b>140</b>	<b>6 (4%)</b>

\* Flea pools tested. One pool could equal 1-234 fleas.

\*\*Mosquito pools tested. One pool could equal 1-60 mosquitoes.

**Colorado Human Zoonoses Surveillance of Confirmed and Probable Cases by County 2007**

County	Hantavirus		Bubonic Plague		Tularemia		West Nile Virus		County Totals	
	Cases	*Deaths	Cases	*Deaths	Cases	*Deaths	Cases	*Deaths	Cases	*Deaths
Adams										
Alamosa	1								1	
Bent										
<b>Boulder</b>							1		1	
Broomfield										
Chaffee	1								1	
Cheyenne							1		1	
Costilla	1								1	
Custer	1								1	
Denver										
Eagle										
Elbert										
El Paso										
Fremont										
Garfield										
Jefferson										
La Plata										
Larimer										
Logan							1		1	
Mesa										
Montrose										
Morgan										
Otero										
Phillips										
Prowers										
Pueblo										
Saguache										
Weld	1								1	
Unknown					1				1	
<b>Grand Totals</b>	<b>5</b>				<b>1</b>		<b>3</b>		<b>9</b>	

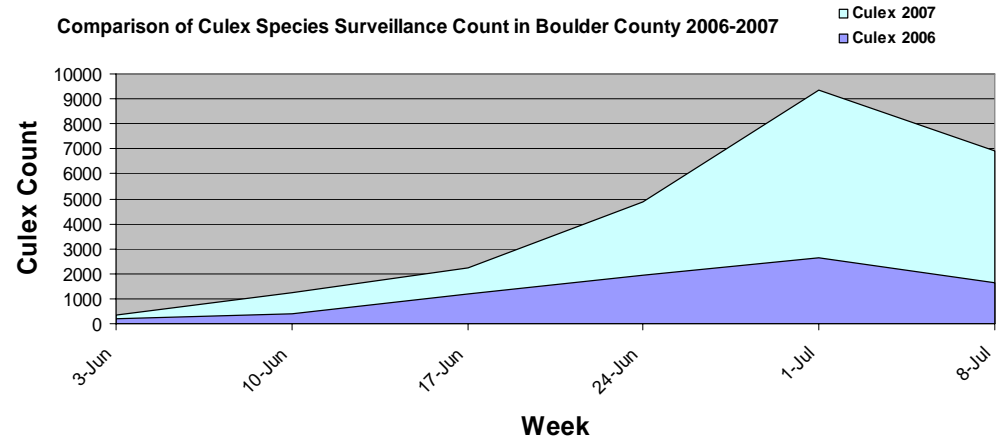
\*If data available

# Mosquito Surveillance

## Boulder County Mosquito Trap Counts by Week

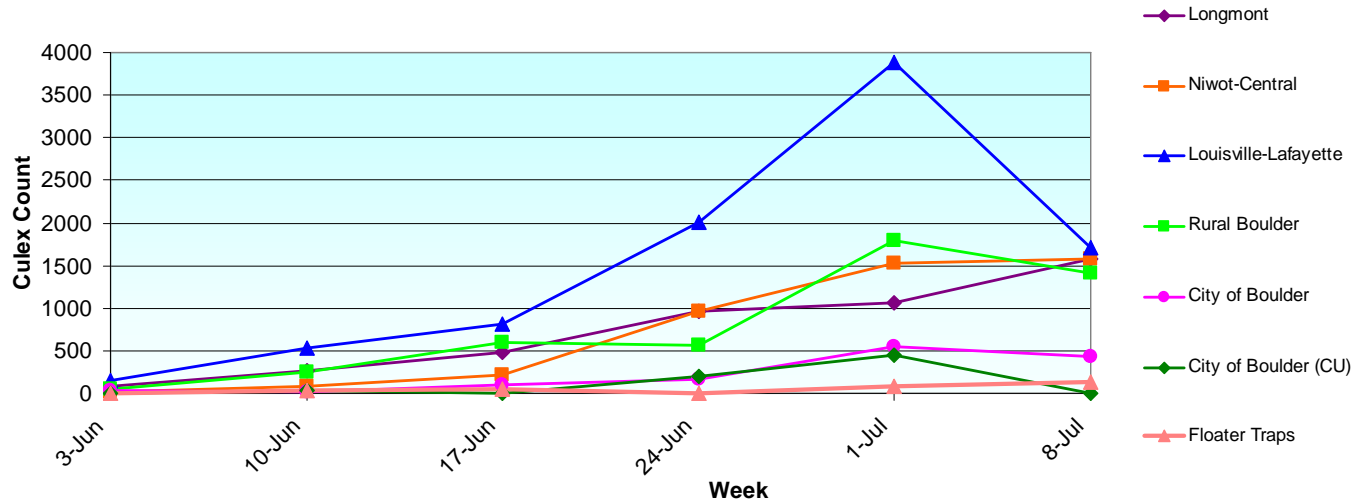
	Grand Totals	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	8-Jul
<i>C. pipiens</i>	3260	38	241	210	487	1347	937
<i>C. tarsalis</i>	21585	271	989	2036	4362	7968	5959
Other <i>Culex</i>	112	32	2	10	6	30	32
<b>Total <i>Culex</i></b>	<b>24957</b>	<b>341</b>	<b>1232</b>	<b>2256</b>	<b>4855</b>	<b>9345</b>	<b>6928</b>
<i>Culiseta</i>	997	68	125	130	236	215	223
<b>Total Mosquito</b>	<b>56403</b>	<b>2717</b>	<b>8556</b>	<b>8111</b>	<b>11868</b>	<b>14622</b>	<b>10529</b>

Comparison of *Culex* Species Surveillance Count in Boulder County 2006-2007



Note: Weeks are from 2007. Data from 2006 are for similar weeks

## Culex Species Surveillance Count in Boulder County by Region 2007



- **Longmont Area:** Includes traps for Longmont (10 traps).
- **Niwot and Central Area:** Includes traps for Niwot and Lyons (9 traps).
- **Louisville and Lafayette Area:** Includes traps for Louisville, Lafayette, Superior, and Erie (19 traps).
- **Rural Boulder Area:** Includes traps east of Boulder and sentinel traps including rural areas and Gunbarrel (13 traps).
- **City of Boulder:** Includes traps for the city of Boulder (16 traps).
- **City of Boulder (CU):** Includes traps for the city of Boulder within the CU campus (33 traps).
- **Floater traps:** Includes traps with variable locations throughout Boulder County (up to 10 traps).