

**Zoonotic Surveillance Update**  
**Season to date as of June 27<sup>th</sup>, 2008**

For the week ending June 27<sup>th</sup>, there were no positive mosquito pools for West Nile virus. There are two pools which the results are still pending. We will send a follow-up email if either return with positive results. Boulder County's first human case of West Nile virus, with onset in May, was counted by CDPHE as the first case in Colorado. The Plague positive flea is from May but we have added it to the 2008 yearly total.

Table 1: Boulder County Animal / Arthropod Zoonotic Surveillance for June 21-June 27, 2008				
Species	Tested	Positive	Total Tested 2008	Total Positive 2008
Bubonic Plague				
Flea	0	0	1	1
<b>Plague Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
Rabies				
Big brown bat ( <i>Eptesicus fuscus</i> )	1	0	5	1
<i>Myotis</i> species	0	0	6	0
Dog	0	0	2	0
Cat	0	0	1	0
Raccoon	1	0	3	0
<b>Rabies Total</b>	<b>2</b>	<b>0</b>	<b>17</b>	<b>1</b>
Tularemia				
<b>Tularemia Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
West Nile Virus				
** <i>Culex</i> spp.	1	0	1	0
** <i>Culex erythrothorax</i>	0	0	1	0
** <i>Culex pipiens</i>	0	0	1	0
** <i>Culex salinarius</i>	0	0	1	0
** <i>Culex tarsalis</i>	6	0	14	0
<b>West Nile Total</b>	<b>7</b>	<b>0</b>	<b>18</b>	<b>0</b>

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

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

Table 2: Boulder County Human Zoonoses Surveillance of Confirmed and Probable Cases for June 21-27*				
	Cases	Deaths	Total Cases 2008	Total Deaths 2008
Hantavirus	0	0	0	0
Bubonic Plague	0	0	0	0
Tularemia	0	0	0	0
West Nile Virus	1	0	1	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>

\*By report date

**Table 3: 2008 Boulder County Mosquito Trap Counts, Totals by Week**

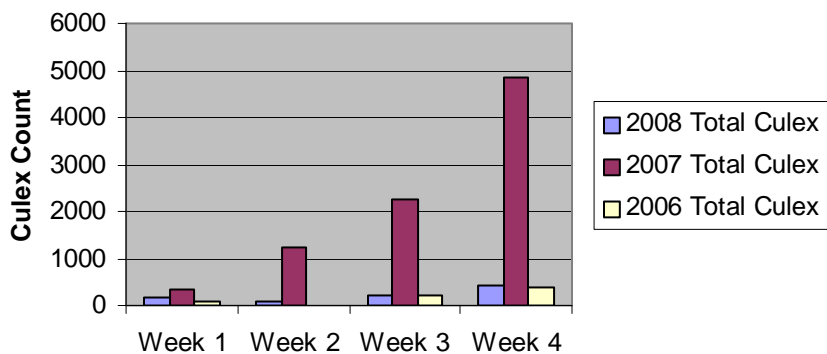
	Season Total	6-Jun	13-Jun	20-Jun	27-Jun
<i>C. pipiens</i>	205	66	17	122	80
<i>C. tarsalis</i>	240	96	56	88	309
Other <i>Culex</i>	18	0	0	18	46
Total <i>Culex</i>	463	162	73	228	435
Total Mosquito	19164	3799	5415	9950	9111

The Vector Index (VI) is the average number of infected *Culex* mosquitoes collected per trap night per defined area. A value  $\geq 0.75$  indicates a high level human risk.

**Table 4: 2008 Boulder County Vector Index by Week**

6-Jun	13-Jun	20-Jun	27-Jun
0.0	0.0	0.0	0.0

**Graph 1: Boulder County Mosquito Trap Counts for Culex, Totals for First Four Weeks of Season 2006, 2007, and 2008**



**Graph 2: 2008 Boulder County Mosquito Trap Count Totals by Week, as of June 27th**

