



### West Nile Virus Surveillance Summary #3 Thursday, July 12, 2007

#### WNV Activity in BC

(Data as of July 11, 2007)

#### **No WNV activity has been identified in BC to date.**

The BCCDC webpage on West Nile virus has been updated. It can be viewed directly at:

<http://www.bccdc.org/content.php?item=183>

From June 1 <sup>st</sup> , 2007	Human Cases*	Corvids submitted	Corvids sighted	Mosquito pools
# Tested	105	189	176	529
# Positive	0	0		0

\*includes routine screening of CSF, organ and stem cell donations in addition to physician test requests

Maps and graphs of BC surveillance data can be found at: <http://www.bccdc.org/content.php?item=373>

#### **3-month Environment Canada climate predictions for BC**

The updated temperature forecast for July-August-September is above normal for all of southern and northeastern BC. [http://www.weatheroffice.ec.gc.ca/saisons/image\\_e.html?img=sfe1t\\_s](http://www.weatheroffice.ec.gc.ca/saisons/image_e.html?img=sfe1t_s)

Precipitation forecast is below normal for all of southern and northeastern BC.

[http://www.weatheroffice.ec.gc.ca/saisons/image\\_e.html?img=sfe1p\\_s](http://www.weatheroffice.ec.gc.ca/saisons/image_e.html?img=sfe1p_s)

#### **Accumulated base 16 °C growing degree days comparison for select BC communities**

July 10th	2007	2006	2005	2004	2003	30YR
Cranbrook	163	180	100	114	141	84
Creston	238	236	150	181	200	121
Osoyoos	309	324	298	330	330	225
Kamloops	267	305	245	321	261	191
Abbotsford	122	149	132	167	137	67
Vancouver	80	100	78	123	97	46
Victoria	85	103	93	120	106	43
Prince George	83	133	99	106	78	43

#### WNV Activity in Canada

(Data as of July 10, 2007)

Two new human infections were detected in Manitoba over the last two weeks (one through clinical testing and one via CBS); positive mosquito pools have quadrupled in the same period (23 to 89 positive pools). Due to increasing *Cx. tarsalis* counts, Manitoba has issued two orders (June 28 and July 5<sup>th</sup>) under Manitoba's Environment Act to control adult mosquitoes in 12 communities in southern Manitoba. More information on the order can be found at: <http://www.gov.mb.ca/health/wnv/control.html>. Saskatchewan is also reporting high average trap counts of *Cx. tarsalis*; their first positive mosquito pool occurred on June 20, approximately 3 weeks earlier than usual. Unlike previous years, most positive corvids in Ontario are being reported from northern health units.

	Human Cases* (probable/confirmed /unclassified/asymp)	Positive Corvids (confirmed)^	Positive Mosquito pools	Positive Equine Cases
Alberta	0	-	0	0
Saskatchewan	0	-	1	0
Manitoba	3	-	89	0
Ontario	0	15	0	0
Quebec	0	-	0	0
<b>Total</b>	<b>3</b>	<b>15</b>	<b>90</b>	<b>0</b>

\*The number of cases in brackets denotes the number of cases considered to be travel-related. For example, 6 (\*2) would indicate a total of 6 probable cases, 2 of which are travel-related.

^Provinces with a dash (-) denote those no longer running corvid monitoring as a component of WNV surveillance.

### WNV Activity in the US

- Washington:
  - No activity to date in 2007. In 2006, WA identified their first human cases (n=3) in August and September. Evidence of WNV circulation in birds and mosquitoes was detected in 2005, and before that in corvids in 2002.
- Oregon:
  - No activity to date in 2007. Activity reported in 2004, 2005 and 2006.
- California:
  - **Increased WNV activity compared with this time last year**
  - 26 counties are reporting WNV activity; dispersed throughout the state (22 in 2006).
  - Humans: 4 viremic donors; 3 symptomatic infections (1 in 2006)
  - Positive indicators:
    - 2007: 159 dead birds, 141 mosquito pools, 6 sentinel chicken flocks, 2 horses and 1 squirrel.
    - 2006: 64 dead birds, 36 mosquito pools, 7 sentinel chicken flocks
- Idaho:
  - New in last 2 weeks: 1 human case and 1 equine case from counties in the southwest.

### Other US states reporting WNV activity:

Data as of June 12; Sources: US CDC, USGS survey

Seven new states (representing 20 new infections) began reporting human WNV activity in the last 2 weeks, concentrating human infections in the mid-west states and California.

