



# West Nile Virus Surveillance



BC Centre for Disease Control

## West Nile Virus Surveillance Summary #6 Thursday, September 4, 2008

### WNV Activity in BC

(Data as of Sept 3, 2008)

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

The BCCDC webpage on West Nile can be viewed directly at:

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

From June 1 <sup>st</sup> , 2008	Human Cases*	Corvids submitted	Corvids sighted	Mosquito pools
# Tested	390	161	383	1620
# 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 Sep-Oct-Nov is below normal for the entire province

[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 for this time period is below normal for the entire province.

[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

August 31st	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	366	442	423	307	360	476	276
Creston	414	607	554	446	517	620	351
Osoyoos	649	687	687	680	809	786	540
Kamloops	580	579	657	575	704	662	475
Abbotsford	280	295	342	340	430	360	222
Vancouver	204	221	239	245	329	275	170
Victoria	189	207	237	239	296	263	153
Prince George	185	189	237	184	264	196	139

Compared with the last two summers, cooler temperatures are being reported to date in 2008. This may be a result of the Pacific Decadal Oscillation.

### WNV Activity in Canada

(Data as of Sept 3, 2008)

Nine new positive human cases were reported in the last 2 weeks – the first in AB, three additional cases in SK and 5 additional in MB for a total of 14 cases nationally. This represents much less activity than previous years. All classified cases have been WN non-neurological syndrome. *Culex* mosquito counts, one indicator of human risk, have fallen dramatically in Manitoba in the last week (down to an average of 21 Cx per trap during the last week of August from ~200 the week before).

	Human Cases (probable/confirmed /unclassified/asymp)	Positive Corvids (confirmed)	Positive Mosquito pools	Positive Equine Cases
Alberta	1 (+1)	n/a	0	0
Saskatchewan	4 (+3)	n/a	19 (+9)	0
Manitoba	8 (+5)	n/a	40 (+9)	0
Ontario	1	86	32 (+23)	0
<b>Total</b>	<b>14</b>	<b>86</b>	<b>91</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.

AB, SK and MN are not testing corvids as part of their WNV programs

### WNV Activity in the US

- Washington:
  - Apart from the Seattle area blood donor with travel to Yakima county and Oregon, 2 additional presumed viremic blood donors are pending interpretation.
  - Yakima, Benton and Grant counties in the south central region of the state are reporting positive activity in mosquitoes, corvids and/or equines.
- Oregon:
  - WNV activity, including 4 human cases, has been reported from 6 counties to date, most bordering Idaho and SE Washington State.
- Idaho:
  - 14 southern counties are reporting WNV activity, 3 more than 2 weeks ago. 12 human cases of WNV Fever were reported from 7 different counties.

### Other US states reporting WNV activity:

Data as of Sept 2; Sources: CDC website

413 cases and five deaths have been reported to date in the US from 34 states; 44% of cases were neuroinvasive disease. This represents only a third of the total number of cases reported at this time last year (1267 cases on Sept 4/07). Of note, Montana reported their first human WNV activity of 2008 in the last 2 weeks from the central and central eastern parts of the state.

