



# West Nile Virus Surveillance



## West Nile Virus Surveillance Summary #1 Thursday, June 26, 2008

### WNV Activity in BC (Data as of June 26, 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	59	^	86	157
# Positive	0	0		0

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

^ corvids have not been able to be tested yet in 2008 due to unavailability of necessary safety equipment at the AHC

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 June-July-Aug is above normal for all except coastal 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 for coastal and northern BC is below normal. Other areas can expect normal rainfall.

[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

June 24th	2008	2007	2006	2005	2004	2003
Cranbrook	68	82	88	65	76	77
Creston	96	131	120	102	119	113
Osoyoos	171	195	185	226	255	212
Kamloops	142	165	169	181	219	166
Abbotsford	55	68	83	102	122	82
Vancouver	30	41	50	49	80	52
Victoria	33	40	55	68	83	63
Prince George	38	52	69	83	76	50

Temperatures observed across the province are well below those of the past 5 years.

### WNV Activity in Canada

(Data as of June 26, 2008)

No WNV activity has been reported by provinces and territories at this time. This represents a later start to WNV activity in 2008 compared with this time in 2007; at this time last year, Manitoba already had evidence of positive mosquito pools and a human infection while Ontario and Saskatchewan reported positive corvids and mosquito pools, respectively.

	Human Cases (probable/confirmed /unclassified/asymp)	Positive Corvids (confirmed)	Positive Mosquito pools	Positive Equine Cases
BC	0	0	0	0
Alberta	0	0	0	0
Saskatchewan	0	0	0	0
Manitoba	0	0	0	0
Ontario	0	0	0	0
Quebec	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</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.

### WNV Activity in the US

- Washington:
  - No activity to date in 2008. In 2007, only horses and corvids were reported with WNV. 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:
- California:
  - 19 counties are reporting WNV activity throughout the state, including several northern counties. At this time last year, 4 fewer counties were affected and virus was mainly restricted to southerly counties.
  - One human case reported from a central county. Two cases had been reported by this time last year in southern counties.
  - Positive indicators: 160 dead birds, 41 mosquito pools, 1 horse, 2 sentinel chicken flocks.

### Other US states reporting WNV activity:

Data as of June 24; Sources: USGS survey

There have been 13 human cases of WNV reported in the US in 2008. The closest activity to Canada is occurring in North Dakota, south of Manitoba where 1 human and 1 equine case have been reported in the eastern part of the state.

