



## West Nile Virus Surveillance Summary #1

### Thursday, June 14, 2007

#### WNV Activity in BC

(Data as of June 13, 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	29	27	21	117
# 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 June-July-August is above normal for eastern 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 most of 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**

June 12th	2007	2006	2005	2004	2003	30YR
Cranbrook	61	67	44	45	53	23
Kamloops	129	129	150	133	120	84
Abbotsford	57	63	76	75	63	23
Vancouver	30	33	34	39	35	11
Victoria	31	37	46	46	44	11
Prince George	43	52	64	37	38	11

#### WNV Activity in Canada

(Data as of June 13, 2007)

2 confirmed positive crows have been identified in Ontario, one collected May 17th from York region, Ontario and the other from the Simcoe/Muskoka region in early June. Ontario is historically the first province to detect WNV activity in corvids; the timing of this year's detection is very similar to previous years. Two samples of *Cx. tarsalis* tested positive the week of June 4<sup>th</sup> in Manitoba's Assiniboine region, in the Southwest part of the province.

	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	2	0
Ontario	0	2	0	0
Quebec	0	0	0	0
<b>Total</b>	<b>0</b>	<b>2</b>	<b>2</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 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:
  - 12 counties are reporting WNV activity: most in the southern and central part of state with 1 northern county reporting a single positive dead bird. A similar number and geographic distribution of counties were reporting activity at this time in 2006, many more were affected by this time in 2005.
  - 1 asymptomatic case reported (southern California).
  - Positive indicators: 33 dead birds, 4 mosquito pools, 2 sentinel chicken flock1 and 1 horse.
- Idaho:
  - 2 positive mosquito pools were identified in the last 2 weeks from Gem County, in the SW part of the state.

### Other US states reporting WNV activity:

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

