



West Nile Virus Surveillance



BC Centre for Disease Control

West Nile Virus Surveillance Summary #3 Thursday, July 24, 2008

WNV Activity in BC

(Data as of July 23, 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 st , 2008	Human Cases*	Corvids submitted	Corvids sighted	Mosquito pools
# Tested	169	34	218	576
# 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-Aug-Sep is above normal for most of the province. The North Vancouver Island/Central Coast areas of the province are forecasted to have below normal temperatures.

http://www.weatheroffice.ec.gc.ca/saisons/image_e.html?img=sfe1t_s

Precipitation forecast for all areas of BC is below normal.

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 22nd	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	205	256	245	148	177	227	127
Creston	278	356	316	217	262	305	171
Osoyoos	396	417	415	391	479	441	298
Kamloops	341	362	390	315	417	359	257
Abbotsford	158	177	199	173	236	190	102
Vancouver	110	124	139	109	180	144	73
Victoria	105	119	142	127	167	143	69
Prince George	99	133	163	114	145	105	65

WNV Activity in Canada

(Data as of July 23, 2008)

Ontario reports 12 positive corvids from north and central health units; Windsor-Essex County and Toronto have each reported a positive mosquito pool. By this time last year, 3 provinces (SK, MN, ON) were reporting WNV activity with high *Culex* trap counts in Manitoba; human cases had been detected already in Manitoba and Saskatchewan. This represents a later start to WNV activity in 2008.

	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	12	2	0
Quebec	0	0	0	0
Total	0	12	2	0

*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:
 - **The first evidence of WNV circulation in WA was detected in a mosquito pool collected July 7th in the south central part of the state bordering Oregon.** This represents the earliest positive indicator (human, corvid, mosquito) ever reported in WA. Prior to this, the earliest activity was a positive mosquito pool in 2005 on September 8th. Earlier detection may foreshadow increased WNV activity in WA this year.
- Oregon:
 - No activity to date in 2008. Annual WNV activity reported since 2004.
- California:
 - 28 counties are reporting WNV activity throughout the state, including several northern counties. This is fewer than at a comparable time last year.
 - Eight human cases reported from central and southern counties. (36 cases and 2 deaths at this time in 2007).
 - Positive indicators: 557 dead birds, 292 mosquito pools, 3 horses, 8 sentinel chicken flocks.
- Idaho:
 - 5 southern counties are reporting WNV activity. 3 human cases of WNV Fever were reported from 3 different counties.

Other US states reporting WNV activity:

Data as of July 22; Sources: CDC website, USGS

There have been 84 human cases of WNV reported in the US in 2008 with no fatalities. More states on the Eastern seaboard of the US are affected compared with 2 weeks ago. The closest activity to Western Canada is occurring in Washington State (see above) and North Dakota.

