



West Nile Virus Surveillance



BC Centre for Disease Control

West Nile Virus Surveillance Summary #2 Thursday, July 10, 2008

WNV Activity in BC

(Data as of July 9, 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	111	9	181	308
# 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 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 2nd	2008	2007	2006	2005	2004	2003
Cranbrook	113	109	137	79	100	111
Creston	154	164	183	123	160	159
Osoyoos	243	230	258	267	326	274
Kamloops	211	202	243	208	283	212
Abbotsford	95	86	125	116	148	109
Vancouver	55	54	77	63	103	73
Victoria	60	51	83	81	104	84
Prince George	68	65	102	94	101	66

After a slow start, BC has quickly picked up its degree days over the past 2 weeks to exceed last year's cooler values.

WNV Activity in Canada

(Data as of July 9, 2008)

The first Canadian WNV activity was reported over the last 2 weeks. Ontario reported 3 positive corvids from Niagara, North Bay and Lambton County and Windsor-Essex County reported a positive mosquito pool. By this time last year, 3 provinces (SK, MN, ON) were reporting WNV activity with human cases detected in Manitoba. 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	3	1	0
Quebec	0	0	0	0
Total	0	3	1	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:
 - 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:
- No activity to date in 2008. Annual WNV activity reported since 2004.
- California:
 - WNV activity comparable with this time last year:
 - 23 counties are reporting WNV activity throughout the state, including several northern counties.
 - Three human cases reported from central counties.
 - Positive indicators: 332 dead birds, 86 mosquito pools, 1 horse, 4 sentinel chicken flocks.

Other US states reporting WNV activity:

Data as of July 8; Sources: CDC website, USGS

There have been 22 human cases of WNV reported in the US in 2008 with no fatalities. The number of states affected remains similar to 2 weeks ago. The closest activity to Canada is occurring in North Dakota, south of Manitoba where 3 human cases and 1 equine infection have been reported.

