



## West Nile Virus Surveillance



## West Nile Virus Surveillance Summary #7

### Thursday, August 27, 2009

**WNV Activity in BC**

(Data as of August 26, 2009)

One human case and three mosquito pools have been reported as positive for WNV in Okanagan Health Service Delivery Area. This is the first case of WNV reported in Canada in 2009, and is the first case in BC not associated with travel. Additional testing on a second suspect case from the same household is ongoing.

The BCCDC webpage on West Nile can be viewed directly at: <http://www.bccdc.ca/dis-cond/az/w/WestNileVirus/default.htm>

From June 1 <sup>st</sup> , 2009	Humans*	Corvids submitted	Corvids sighted	Mosquito pools
# Tested	131	116	351	1930
# Positive	1	0		3

\*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.ca/dis-cond/az/w/WestNileVirus/Surveillance/WNV2009SurveillanceData.htm>

**3-month Environment Canada climate predictions for BC**

The 3 month (August-October) temperature forecast calls for above normal temperatures for almost all of BC. [http://www.weatheroffice.gc.ca/saisons/image\\_e.html?img=sfe1t\\_s](http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1t_s)

The 3 month precipitation forecast calls for below normal precipitation for coastal BC and normal precipitation for central and southern BC.

[http://www.weatheroffice.gc.ca/saisons/image\\_e.html?img=sfe1p\\_s](http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1p_s)

**Accumulated base 16 °C growing degree days comparison for select BC communities**

August 26 <sup>th</sup>	2009	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	341	360	425	407	294	347	457	265
Creston	484	414	588	532	427	501	593	336
Osoyoos	714	630	660	663	656	778	751	519
Kamloops	656	565	556	629	552	685	633	456
Abbotsford	363	276	278	326	330	415	338	210
Vancouver	275	200	208	229	235	316	260	161
Victoria	241	183	194	226	234	285	249	146
Prince George	235	185	187	232	181	262	188	135

Almost all communities are continuing to experience dramatically increased accumulated degree days compared to last year and the 30 year average.

**WNV Activity in Canada**

(Data as of August 26, 2009)

As of August 22, outside of BC there have been an additional 11 positive mosquito pools have been reported from Saskatchewan and two positive dead birds tested by the Canadian Cooperative Wildlife Health Centre were reported from Ontario. Overall in Canada the activity has been lower compared to previous seasons.

## WNV Activity in the US

- Washington:
  - **Human activity reported:** One human case from Klickitat County has been reported, the case did not report travel outside of the County. This is the first human case reported from Washington State in 2009.
  - There have been 265 positive pools, 8 positive birds and 23 positive horses.
  - Activity continues to be located in the southern and central Counties of Washington State (Adams, Benton, Franklin, Grant, Kittitas, Yakima, Walla Walla, Klickitat) as well as in one western County (Mason).
- Oregon:
  - **Human activity reported:** Six human cases have been reported (Malheur-4, Morrow-1 and Umatilla-1)
  - There have been 12 positive birds, 3 positive horses and 193 positive mosquito pools reported.
  - Activity has been reported in 5 Counties located in the north and eastern part of Oregon.
- California:
  - 36 Counties are reporting WNV activity.
  - There have been 17 human cases reported in 2009 compared to 92 at the same time in 2008.
  - Positive indicators: 354 dead birds, 649 mosquito pools, 98 sentinel chicken flocks, 4 horses and 4 squirrels. All indicators continue to be lower compared to the same time in the 2008 season except for the number of positive sentinel chickens.

### Other US states reporting WNV activity:

Data as of August 25; Sources: USGS survey)

*Please note: this data does not reflect the recent cases reported in Oregon or Washington.*

123 human cases of WNV have been reported in 22 States (including recent cases in Washington, Oregon and Idaho). 53% of human cases have been reported as encephalitis/meningitis. Four fatalities have been reported (Mississippi-2, Texas-1, New Mexico-1). The number of human cases reported continues to be lower compared to previous seasons.

