

## West Nile Virus Surveillance Summary #4 Thursday, August 7, 2008

### WNV Activity in BC

(Data as of August 7, 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	233	93	281	992
# 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 Aug-Sep-Oct is below normal for most of the province and normal for south east corner.

[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 province and normal for; Vancouver Island, Lower Mainland, central Interior and north east corner of the province.

[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

August 5 th	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	255	348	319	221	260	337	194
Creston	341	479	415	314	372	445	248
Osoyoos	484	542	528	498	612	582	401
Kamloops	415	456	493	414	540	491	350
Abbotsford	195	233	252	239	312	257	149
Vancouver	136	163	181	161	237	197	113
Victoria	129	155	181	177	219	192	103
Prince George	127	161	191	141	193	148	101

Cooler temperatures may be a result of the Pacific Decadal Oscillation.

### WNV Activity in Canada

(Data as of July 29, 2008)

Still no human cases reported in Canada. Positive mosquitoes reported from Saskatchewan, Manitoba and Ontario, the number of *Culex tarsalis* is increasing in Manitoba but nothing like the numbers reported in 2007 at this time.

	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	1	0
Manitoba	0	0	7	0
Ontario	0	17	4	0
Quebec	0	0	0	0
<b>Total</b>	<b>0</b>	<b>17</b>	<b>10</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:
  - Subsequent to last report of 2 positive mosquito pools they now note that one is *Culex pipiens* and the other *Culex tarsalis*.
  - Two horses were reported as infected last week; the one from Moses Lake area is about 200 Km south of Osoyos and 130 Km west of Spokane. The second horse from Yakima had to be euthanized.
- Oregon:
  - Baker County has reported a positive mosquito pool on the State website (not reflected in the map below).
- California:
  - 38 counties are reporting WNV activity throughout the state, Orange County reporting they are concerned by the amount of WNV activity at this time.
  - Positive indicators: 808 dead birds, 604 mosquito pools, 5 horses, 30 sentinel chicken flocks and 5 squirrels.
- Idaho:
  - 8 southern counties are reporting WNV activity. 8 human cases of WNV Fever were reported from 5 different counties.

### Other US states reporting WNV activity:

Data as of Aug 5; Sources: CDC website, USGS

Human cases have been reported in Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Idaho, Louisiana, Minnesota, Mississippi, Missouri, Nebraska, Nevada, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, Utah, West Virginia, and Wyoming.

