



# West Nile Virus Surveillance



## West Nile Virus Surveillance Summary #1 Thursday, June 10, 2010

### WNV Activity in BC (Data as of June 9, 2010)

**No WNV activity has been identified in BC to date.**

The BCCDC webpage including maps and graphs of BC surveillance data can be found at:  
[http://www.bccdc.ca/dis-cond/a-z/\\_w/WestNileVirus/Surveillance](http://www.bccdc.ca/dis-cond/a-z/_w/WestNileVirus/Surveillance)

### Canadian Blood Services Data

CBS performs year-round WNV nucleic acid testing and this information is provided as aggregate, regional updates throughout the WNV season to BCCDC. This reporting provides geographic and timely human WNV surveillance data.

Between May 31-June 6, 2010 there were 2285 collections of blood in BC. There were no positive WNV screening test results.

### Past temperature and future climate predictions for BC

Warmer temperatures favour greater mosquito abundance, biting activity and WNV amplification. Accumulated degree days (i.e. heat units) are calculated to forecast mosquito development.

### Accumulated base 14.3 °C growing degree days comparison for select BC communities

Up to June 8th	2010	2009	2008	2007	2006	2005	2004	2003
Cranbrook	46	76	59	85	89	68	71	69
Creston	61	112	84	130	120	110	107	102
Osoyoos	120	191	155	198	176	211	221	188
Kamloops	114	165	128	170	160	193	174	148
Abbotsford	56	113	56	85	88	117	119	90
Vancouver	31	69	34	51	51	65	74	56
Victoria	28	72	37	52	55	76	79	66
Prince George	39	42	43	61	41	90	52	51

Southern BC is experiencing the coolest spring season temperatures compared against the past 7 years. The 3 month (June-August) Environment Canada temperature forecast calls for above normal temperatures in northern and eastern BC, and below normal temperatures for Vancouver Island. The map can be found at: [http://www.weatheroffice.gc.ca/saisons/image\\_e.html?img=sfe1t\\_s](http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1t_s)

### WNV Activity in Canada

(Data as of June 9, 2010)

No WNV activity has been reported to the Public Health Agency of Canada by provinces and territories at this time.

### WNV Activity in the US

(Data as of June 9, 2010)

- Washington:
  - There has been no WN activity reported in Washington State. In 2009, WA State reported their first positive pool of mosquitos on June 3, 2009 in Yakima County.
- Oregon:
  - No surveillance activity has been reported
- California:
  - 6 counties are reporting WNV activity; all are in the central or southern parts of California. Fewer counties are affected compared to the same point in the season in 2009.
  - There have been no human cases reported.
  - Positive indicators: 18 dead birds, 3 mosquito pools. The number of positive indicators is lower compared to the same time in the 2009 season.

Other US states reporting WNV activity:  
(Data as of June 9; Sources: USGS survey and CDC)

No human cases of WNV have been reported in the US since May 1, 2010.