



West Nile Virus Surveillance



BC Centre for Disease Control

West Nile Virus Surveillance Summary #1 Thursday, June 11, 2009

WNV Activity in BC (Data as of June 10, 2009)

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 , 2009	Human Cases*	Corvids submitted	Corvids sighted	Mosquito pools
# Tested	4	0	41	55
# 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 3 month (June-August) temperature forecast calls for above normal temperatures for all of BC.

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

The 3 month precipitation forecast calls for below normal precipitation on Vancouver Island and along the central coast, and above normal precipitation in the south Okanagan region and northern BC.

http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1tm1_s

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

June 9th	2009	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	53	38	60	65	43	44	48	19
Creston	80	57	95	87	75	69	74	39
Osoyoos	147	112	145	129	160	163	140	92
Kamloops	124	92	124	116	144	127	111	75
Abbotsford	81	38	56	56	74	75	61	19
Vancouver	44	19	29	26	32	39	33	9
Victoria	49	21	31	31	44	45	43	9
Prince George	29	27	42	43	64	32	33	9

The southwest corner of BC (i.e. Greater Vancouver and Victoria) is experiencing the greatest accumulated degree days recorded over the past 7 years and 30 year average. If WNV is introduced into BC this year, it has great potential for establishing itself in mosquitoes and birds.

WNV Activity in Canada

(Data as of June 10, 2009)

No WNV activity has been reported by provinces and territories 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	0	0
Manitoba	0	0	0	0
Ontario	0	0	0	0
Quebec	0	0	0	0
Total	0	0	0	0

WNV Activity in the US

- Washington:
 - The first positive pool of mosquitos in Washington State was reported on June 3, 2009. The positive pool of *Culex tarsalis* mosquitoes was located in Yakima County. This positive report is earlier than the 2008 season and is the same region that tested positive first during the 2008 season. West Nile virus has been detected in Yakima county for the past five consecutive seasons.
- Oregon:
 - No activity as of June 2, 2009.
- California:
 - 8 counties are reporting WNV activity throughout the state, in the central or southern parts of California. Fewer counties are affected compared to the same point in the season in 2008.
 - There have been no human cases reported, which is similar to the 2008 season at this time.
 - Positive indicators: 23 dead birds, 49 mosquito pools, 3 sentinel chicken flocks.

Other US states reporting WNV activity:

Data as of June 9; Sources: USGS survey

One human case of WNV has been reported in the US in 2009 in South Dakota.

