

## West Nile Virus in Peel September 28 – October 4, 2009

**This is the final in a series of weekly updates from the Region of Peel.**

West Nile Virus Surveillance 2009	Week of September 28 – October 4, 2009				Year to Date			
	Total	Brampton	Caledon	Mississauga	Total	Brampton	Caledon	Mississauga
WNV-Positive Mosquito Pools	0	0	0	0	4	0	0	4
Confirmed Human Cases	0	0	0	0	0	0	0	0

### Surveillance

The Region of Peel's 2009 mosquito surveillance concluded on September 30. Since June 15, a total of 1,207 mosquito batches were tested for West Nile Virus (WNV) and four batches tested positive.

Region of Peel–Public Health has responded to 289 stagnant water reports from Peel residents.

There have been no human cases of WNV reported in Peel.

### Mosquito Reduction

The 2009 larviciding program started on June 15 and concluded on September 30. Larviciding involves applying environmentally friendly products to reduce mosquito larvae (immature mosquitoes) living in stagnant water. The products were applied to municipal catch basins and selected sites on public property.

### Public Education

The best way to avoid infection is to protect yourself against mosquitoes by:

- Avoiding areas with large numbers of mosquitoes
- Wearing light-coloured clothing, including long sleeves, long pants, socks and a hat whenever you are outdoors (even when you are in your backyard), especially at dusk and at dawn

- Using only those personal insect repellents that are registered for use in Canada and applying the repellent according to the manufacturer's directions

For more tips on protecting yourself and your family, please visit [www.peel-bugbite.ca](http://www.peel-bugbite.ca).

### WNV in Ontario

This week a mosquito batch found near Bala, Ontario tested positive for Eastern Equine Encephalitis (EEE). This is the first ever positive EEE mosquito batch captured in Ontario.

This season, one human case of WNV was reported in Windsor-Essex County, and 14 batches of mosquitoes tested positive, including five in Windsor-Essex County, four in the region of Peel, two in Toronto and one in each of Halton Region, Niagara Region and York Region. One horse tested positive in Haliburton.

### WNV in Canada

This season, seven human cases of WNV were reported in Canada. British Columbia reported two human cases, 10 positive mosquito batches and three WNV-positive horses. Alberta reported two human cases. Saskatchewan reported one human case and 11 WNV-positive mosquito batches. Manitoba reported one human case and two WNV-positive mosquito batches. See above for Ontario's results.

### WNV in United States

This season, 395 human cases of WNV were reported in the United States, including 64 in Texas, 60 in California, 51 in Colorado, 37 in Mississippi and 33 in Nebraska.

In the Great Lake States:

Great Lake States	WNV-Positive Mosquito Batches	Confirmed Human Cases
Illinois	377	4
Indiana	114	3
Michigan	3	0
Minnesota	4	1
New York	92	1
Ohio	231	2
Pennsylvania	276	2

For more information on WNV activity in the United States, please see: [www.cdc.gov/ncidod/dvbid/westnile/Mapsactivity/surv&control09Maps.htm](http://www.cdc.gov/ncidod/dvbid/westnile/Mapsactivity/surv&control09Maps.htm)

**For more information about WNV and the Region of Peel's WNV Prevention Plan, call 905-799-7700, from 8:30 a.m. to 4:30 p.m. Monday to Friday. Caledon residents call toll free at 905-584-2216.**

A handwritten signature in black ink that reads "David L. Mowat". The signature is written in a cursive style with a large initial 'D'.

David L. Mowat, MBChB, MPH, FRCPC  
Medical Officer of Health  
Region of Peel