

West Nile Virus in Peel August 31 – September 6, 2009

West Nile Virus Surveillance 2009	Week of August 31 – September 6, 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 adult mosquito surveillance program started on June 15. To date, 886 mosquito batches have been tested for WNV and four have tested positive. No mosquito batches tested positive this week.

Region of Peel–Public Health has responded to 268 stagnant water reports from Peel residents.

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

Mosquito Reduction

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

The fourth and final round of roadside catch basin larviciding has been completed. The fourth round was indicated by a green dot on the catch basin grate.

Larviciding of catch basins in the green spaces of parks in Peel has also been completed. The treatment of surface water sites on public lands will continue until the end of September.

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.

WNV in Ontario

To date, nine batches of mosquitoes have tested positive, including four in the region of Peel, two in Toronto and one in each of Niagara Region, Windsor-Essex County and York Region. One horse tested positive in Haliburton. There have been no human cases of WNV reported in Ontario.

WNV in Canada

There are now two human cases of WNV in Canada. Alberta reported its first human case this week. The other case was reported in British Columbia, which also has one WNV-positive mosquito batch. Saskatchewan has reported 11 WNV-positive mosquito batches and two positive mosquito batches have been identified in Manitoba.

WNV in United States

To date, there have been 156 human cases of WNV in the United States, including 26 in Mississippi, 19 in California, 14 in Colorado, 13 in Texas, 12 in each of Arizona and Nevada, 11 in South Dakota, and 10 in Louisiana.

The Great Lake States reporting human cases or positive mosquitoes include:

Great Lake States	WNV-Positive Mosquito Batches	Confirmed Human Cases
Illinois	247	1
Indiana	49	1
Minnesota	4	1
New York	43	1
Ohio	149	1
Pennsylvania	139	1

For more information on WNV activity in the United States, please see:
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