



## West Nile Virus in Peel July 18 – 24, 2010

West Nile Virus Surveillance 2010	Week of July 18 – 24, 2010				Year to Date			
	Total	Brampton	Caledon	Mississauga	Total	Brampton	Caledon	Mississauga
WNV-Positive Mosquito Pools	0	0	0	0	0	0	0	0
Confirmed Human Cases	0	0	0	0	0	0	0	0

### Surveillance

The adult mosquito surveillance program started on June 14, 2010. Adult mosquitoes will be collected weekly from mosquito traps at 31 fixed locations throughout the region of Peel until late September. To date, 194 mosquito batches have been tested for WNV and none have tested positive.

Region of Peel – Public Health has received 10 stagnant water reports from Peel residents this week.

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

### Mosquito Reduction

The larviciding program started on June 1, 2010 and will continue until September 30, 2010. 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 third round of larviciding started in Mississauga on July 19. The crews expect to finish in Mississauga and begin in Brampton later this week. The third round is indicated by a pink dot on the catch basin grate. It takes three weeks to complete a round of larviciding. There will four rounds of roadside catch basin larviciding this year.

Larviciding of catch basins in the green spaces of parks in Peel has been completed. The treatment of surface water sites on public lands is ongoing.

## **Public Education**

Although there has been no activity in Ontario yet this year, this week there has been increased activity in the United States, including the first WNV-related fatality in North America, and a significant increase in positive mosquitoes in the Great Lake States. There is still a risk for infection and personal protection precautions should continue to be taken.

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

New this year, the Region has added information on Lyme disease and Eastern Equine Encephalitis (EEE) to [www.peel-bugbite.ca](http://www.peel-bugbite.ca). The Ministry of Health and Long-Term Care has also added information about Lyme disease on their site, [www.ontario.ca/lyme](http://www.ontario.ca/lyme).

## **WNV in Ontario**

To date, there have been no WNV-positive mosquito batches found in Ontario. There have been no human cases of WNV illness reported in Ontario.

## **WNV in Canada**

Manitoba is the first province to report WNV activity in Canada. They have two WNV-positive mosquito batches. There have been no human cases of WNV illness reported in Canada.

## **WNV in United States**

There have been 26 human cases of WNV and one WNV-related death in the United States, including 13 cases in Arizona, which is where the death occurred, three cases each in Colorado and Georgia, two cases in California and one case each in Alabama, Kansas, Mississippi, North Dakota and South Dakota.

For information on WNV activity in the United States, please see:  
[http://diseasemaps.usgs.gov/wnv\\_us\\_human.html](http://diseasemaps.usgs.gov/wnv_us_human.html)

**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.**



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