

## West Nile Virus in Peel August 22 – 28, 2010

West Nile Virus Surveillance 2010	Week of August 22 – 28, 2010				Year to Date			
	Total	Brampton	Caledon	Mississauga	Total	Brampton	Caledon	Mississauga
<b>WNV-Positive Mosquito Pools</b>	5	2	0	3	10	5	0	5
<b>Confirmed Human Cases</b>	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, 786 mosquito batches have been tested for WNV and 10 have tested positive.

This week, five batches tested positive. Three of the positive batches were collected in Mississauga: one batch was collected in a trap near the QEW and Clarkson Road North and two batches were collected in a trap near Dixie Road and Lakeshore Road East. The other two positive batches were collected in Brampton: one batch was collected near Kennedy Road and Queen Street East, and the other was collected near Highway 407 and Hurontario Street.

Region of Peel – Public Health has received four 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 fourth and final round of catch basin larviciding was completed on August 26.

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

Throughout August and September, the risk of WNV infection is at its highest. Residents are encouraged to continue using personal protection measures, such as:

- 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
- Removing areas of standing water around your house

For more tips, please visit [www.peel-bugbite.ca](http://www.peel-bugbite.ca).

## WNV in Ontario

To date, there have been 25 WNV-positive mosquito batches reported in Ontario, including ten in Peel region, nine in Toronto, three in Windsor-Essex County, and one each in Durham Region, Halton Region and Middlesex-London. There have been no human cases of WNV illness reported in Ontario.

## WNV in Canada

To date, there have been 28 WNV-positive mosquito batches reported outside of Ontario. Manitoba has reported 19 positive batches and Saskatchewan has reported nine. There have been no human cases of WNV illness reported in Canada.

## WNV in the United States

As of August 24, the CDC is reporting 144 human cases of WNV in the United States, including 54 cases in Arizona, 22 cases in California and 10 cases each in New York and Colorado. There have been three deaths in Arizona related to WNV.

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