

West Nile Virus in Peel Sept. 26 – Oct. 2, 2010

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

West Nile Virus Surveillance 2010	Week of Sept. 23 – Oct. 2, 2010				Year to Date			
	Total	Brampton	Caledon	Mississauga	Total	Brampton	Caledon	Mississauga
WNV-Positive Mosquito Pools	1	1	0	0	14	6	0	8
Confirmed Human Cases	0	0	0	0	0	0	0	0

Surveillance

The Region of Peel's 2010 mosquito surveillance concluded on September 30th. Since testing began on June 14th, a total of 1,214 mosquito batches were tested for West Nile Virus (WNV) and 14 batches tested positive, including one this week that was collected in Brampton in a trap near Sandalwood Parkway and Heart Lake Road.

Region of Peel – Public Health has responded to 237 stagnant water reports from Peel residents.

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

Mosquito Reduction

The 2010 larviciding program started on June 1 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

For more information on WNV, visit www.peel-bugbite.ca.

WNV in Ontario

This season, 56 batches of mosquitoes tested positive for WNV in Ontario including 19 in Toronto, 14 in Peel region, 10 in Windsor-Essex County, four in Halton Region, three in Waterloo, two in Middlesex-London and one each in Durham Region, Hamilton, Niagara and Chatham-Kent. The first confirmed human case of WNV in the province was reported by the Durham Region Health Department this week. The case had an onset date of August 30th.

WNV in Canada

This season, there were four human cases of WNV and 29 WNV-positive mosquito batches reported outside of Ontario. British Columbia had one human case, Saskatchewan had two human cases and nine positive mosquito batches, and Manitoba had 20 positive mosquito batches. Alberta reported one human case of WNV, but it was travel related.

WNV in the United States

As of Sept. 28, the CDC reported 547 human cases of WNV in the United States, including 101 in Arizona, 99 in New York, 50 in California, 38 in Colorado, 36 in Nebraska and 31 in Texas. There have been 22 deaths related to WNV, including seven in Arizona, three each in New York and Texas, two each in Florida and New Jersey and one each in California, Illinois, Michigan, Nebraska and Virginia.

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

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