

West Nile Virus in Peel Weekly Update June 16, 2004

This is a regular update on the status of West Nile Virus in the Region of Peel.
Updates will continue until October.

To report dead crows, stagnant water and suspected mosquito breeding sites,
or for general information about West Nile Virus:

Call Health Line Peel at 905-799-7700
Caledon residents call toll free at 905-584-2216

Surveillance Update

To date, there are no reports of human WNV infection in Canada.

There have been no WNV positive crows reported in Peel. WNV positive birds have now been reported in three neighbouring regions. Last week Halton (2) and York (1) reported WNV infected birds and this week Toronto has reported two WNV infected birds. There is evidence of WNV infection in birds in Quebec (6), Ontario (23) and Saskatchewan (1).

United States

The number of human cases of WNV infection in the U.S. has increased from two last week to 14 this week. Affected areas include; Arizona (10), California (1), New Mexico (1), South Dakota (1) and Wyoming (1).

Evidence of WNV in mosquitoes, birds and animals continues to be seen in more states each week. To date 24 states have evidence of WNV activity, up from 14 last week.

West Nile Virus Surveillance Region of Peel 2004	WEEK OF JUNE 10 – 16				YEAR TO DATE			
	Peel Total	Brampton	Caledon	Mississauga	Peel Total	Brampton	Caledon	Mississauga
Dead Crow Reports	15	2	11	2	15	0	0	0
Crows Positive for WNV	0	0	0	0	0	0	0	0
Mosquito Pools Positive for WNV	0	0	0	0	0	0	0	0
Confirmed Human Cases	0	0	0	0	0	0	0	0
Probable Human Cases	0	0	0	0	0	0	0	0

Prevention and Control Measures

Pestalto, the licensed pesticide applicator hired by Peel Health, and the Environmental Health Division have been monitoring mosquito larvae in catch basins and egg laying in surface water since May. Last week increased mosquito breeding activity in surface water and in catch basins (Mississauga and Brampton) was detected.

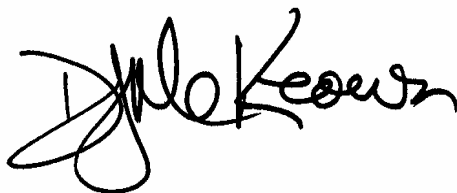
Based on this information Pestalto was instructed to commence larviciding road side catch basins. They started in south Mississauga on Monday June 14th. Catch basins that have been treated will be marked with a blue dot. This is the first of three applications. The larviciding program will continue until August.

Halton and York Region started larviciding catch basins last week while Toronto also started on Monday, June 14.

Adult mosquito trapping began on June 14, 2004. Mosquitoes will be collected weekly from mosquito traps at approximately 30 fixed locations throughout Peel until late September 2004. There are 16 permanent trapping sites in Mississauga, 9 in Brampton and 5 in Caledon. If necessary, temporary trap sites will be established in areas where positive birds or human cases are identified. Collected mosquitoes are shipped to the Department of Biological Sciences at Brock University for counting, species identification and viral testing.

Further information on West Nile Virus and Peel's 2004 WNV Prevention Plan can be found through:

- Health Line Peel at 905-799-7700, Caledon residents call toll-free at 905-584-2216
- www.peel-bugbite.ca
- Ministry of Health and Long-Term Care web site www.health.gov.on.ca



Dr. David McKeown
Medical Officer of Health
Region of Peel