

West Nile Virus in Peel Weekly Update July 14, 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.

Peel reported its first WNV positive crow in 2004 on July 9. The crow was found in Brampton near the intersection of Main St. and Queen St. West. Infected crows have also been reported in the neighbouring regions of Halton, Toronto, York, Simcoe and Wellington-Dufferin. There are a total of 78 WNV infected birds in Canada this week, Quebec (14), Ontario (59), Manitoba (3) and Saskatchewan (2).

United States

The number of human cases of WNV infection in the U.S. has increased from 79 last week to 108 this week. Affected areas include; Arizona (66), California (20), Colorado (12), Florida (2), Iowa (1), Michigan (1), Nebraska (1), New Mexico (3), South Dakota (1) and Wyoming (1). There have been WNV positive birds reported in all of the Great Lake states.

West Nile Virus Surveillance Region of Peel 2004	WEEK OF JULY 8 – 14				YEAR TO DATE			
	Peel Total	Brampton	Caledon	Mississauga	Peel Total	Brampton	Caledon	Mississauga
Dead Crow Reports	5	1	4	0	40	12	27	1
Crows Positive for WNV	1	1	0	0	1	1	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, will complete the second round of larvicide treatment in Mississauga by July 14, with the exception of zones where vacuum trucks are currently cleaning catch basins. These catch basins will be treated once the vacuum trucks are finished.

Pestalto began the second round of application in Brampton on July 13. They will start in areas south of Queen Street. Pestalto projects they will complete treating the Brampton catch basins early next week. The treatment of Caledon catch basins will start after round two has been completed in Brampton.

A white dot on the grate of the catch basin indicates the basin has been treated for the second time. The first round dot was blue. There will be three rounds of larvicide applications during the season.

Peel Health staff continue to monitor surface water sites for mosquito larvae. To date 54 surface water sites, six in Brampton, 18 in Caledon and 30 in Mississauga, have been treated.

The biological larvicide, Bti is used to treat surface water sites. The active ingredient in this product is a naturally occurring soil bacteria called *Bacillus thuringiensis israelensis* (Bti). Bti has no demonstrated adverse effects on birds, mammals, fish or other wildlife and does not persist in the environment.

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