

West Nile Virus in Peel Weekly Update July 21, 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 in Brampton. There have been no other findings to date. There are a total of 90, up from 78, WNV infected birds in Canada this week, Quebec (18), Ontario (63), Manitoba (7) and Saskatchewan (2).

United States

There have been four WNV-related deaths reported in the U.S.; two in Arizona, one in Iowa and one in Texas. The number of human cases of WNV infection has increased from 108 last week to 182 this week. Affected areas include; Arizona (125), California (28), Colorado (12), Florida (4), Iowa (1), Michigan (1), Nebraska (1), New Mexico (4), South Dakota (1), Texas (2) 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	JULY 11 – 17				YEAR TO DATE			
	Peel Total	Brampton	Caledon	Mississauga	Peel Total	Brampton	Caledon	Mississauga
Dead Crow Reports	5	1	4	0	43	9	32	2
Crows Positive for WNV	0	0	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

NOTE: WNV statistics have been adjusted to reflect the reporting week more accurately. Reports will reflect previous week's bird reports.

Prevention and Control Measures

Pestalto, the licensed pesticide applicator hired by Peel Health has completed treating the catch basins in Mississauga with the exception of the zones where the vacuum trucks are working. These catch basins will be treated once the vacuum trucks are finished. In Brampton, catch basins south of Queen St have received their second application of larvicide. Currently larviciding is being conducted in the area north of Queen St and south of Bovaird Dr. The treatment of Caledon catch basins will be undertaken the week of July 19th.

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 along with a few other Health Units is evaluating the effectiveness of a new model of gravid trap. Gravid traps attract female mosquitoes which have had a blood meal and are looking for a place to lay eggs. The mosquitoes are attracted to the traps by an infusion mixture made up of water, brewers yeast, rabbit food pellets and grass clippings. This infusion mixture simulates the same odour as stagnant water.

Peel Health's surveillance program has identified lower mosquito activity so far this year. Mosquito collections in our adult traps are lower than 2002 totals at this time. The cool weather (the coolest summer temperatures since 1992) contributes to lower mosquito breeding.

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



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