

Item #9:
Village Trustee Barry
Mosquito/West Nile Virus Update – September 2010



Village of Long Grove September 2010 Status Report

Surveillance & Weather:

The official rainfall total for the month of September (2.78 inches) was 0.58 inches below the average for September (3.36 inches). Temperatures are predicted to be cooler than normal for the first full week of October. The end of West Nile Virus risk is correlated with the first hard frost; a frost where both the air and the soil has dropped below freezing.

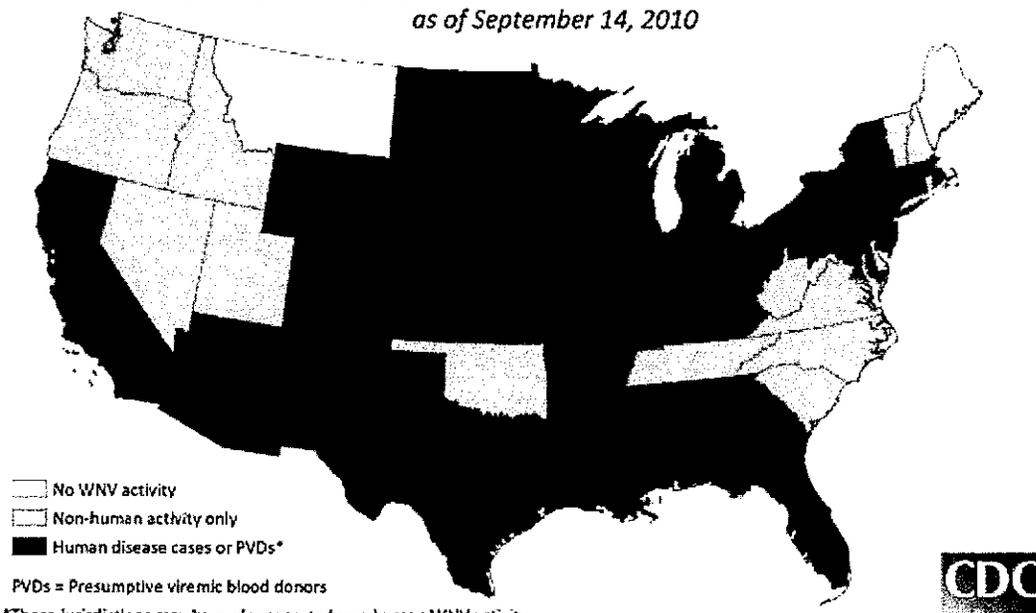
2010 West Nile Cases:

County	American Crow	Blue Jay	Other Birds	Mosquito Batches	Horse	Human Cases
Cook	5	0	7	1,780	0	15
DuPage	2	0	3	227	0	5
Kane	0	0	3	32	0	1
Lake	0	0	0	23	0	0
McHenry	1	0	0	1	0	1
Stephenson	0	0	1	2	0	0
Will	1	1	0	15	0	0
Winnebago	17	0	0	0	0	0
IL TOTAL	34	1	27	2,155	1	25

Last updated October 1, 2010

As of October 1st, there have been 381 human West Nile virus cases reported to the CDC according to the map below of West Nile virus activity reported to ArboNET, by state, in the United States. The state of Illinois has reported 25 human cases, 34 American Crows, 27 other dead birds, and 2,155 mosquito batches positive for West Nile virus.

West Nile virus (WNV) activity reported to ArboNET, by state, United States, 2010
as of September 14, 2010





Brood Prediction

The floodwater mosquito (*Aedes vexans*) is the key nuisance species in the Chicagoland area. Distinct hatches of floodwater mosquito populations, or broods, are triggered by significant rainfall events. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from weather stations in your area.

Weather Station Name	Inch Date	Rain Amount	Brood Prediction Date
South Lake Co.	08/20/2010	0.46	09/04/2010
South Lake Co.	09/02/2010	1.47	09/24/2010

Recommendations:

The CDC currently shows a risk category 3. Increase larval control, source reduction, and public education emphasizing personal protection measures, particularly among the elderly. Intensify adult mosquito control in areas where surveillance indicates human risk, initiate adult mosquito control if not already in progress, initiate visible activities in community to increase attention to WNV transmission risk. Work with collaborators to reduce risks to the elderly.

Operation and Surveillance Reports:

Below is a report outlining all services performed in the month of September. These services could include the following:

- **1252 Complete Site Larval Inspection Service:** *Inspection service of all potential mosquito larvae development sites.*
- **1302 Targeted Site Larval Inspection:** *Inspection of all targeted larval development sites.*
- **1352 Larval Site Service Call:** *Special inspection of standing water for mosquito breeding per hot line request.*
- **1502 Ground Prehatch:** *Ground prehatch for control of mosquito larvae.*
- **1752 Backpack Larviciding:** *Backpack larviciding for biological control of mosquito larvae sites.*
- **1754 Hand Larviciding:** *Hand equipment larviciding for biological control of mosquito larva*

Services Performed September 2010:

Service Item	Start Date
ROS1252 - Complete Site Larval Insp Serv	09/01/2010
ROS1754 – Hand Larviciding	09/02/2010
ROS1752 - Vectobac (B.T.I.) BP Larv	09/03/2010