



Village of Volo July 2010 Status Report

Surveillance & Weather:

The rainfall total for the month of July (8.84 inches at ORD) is 5.33 inches above the average for July (3.51in.). Temperature predictions for the beginning of August are in the in the upper 80s with a chance of rain. With the expected increase in temperatures, we may see an increase in nuisance mosquito activity early and Culex populations as the month progresses.

2010 West Nile Cases:

County	American Crow	Blue Jay	Other Birds	Mosquito Batches	Horse	Other Mammals
Cook	1	0	6	88	0	0
DuPage	0	0	0	15	0	0
Kane	0	0	2	1	0	0
Stephenson	0	0	1	0	0	0
Will	0	0	0	4	0	0
IL TOTAL	2	0	18	117	0	0

Last updated July 22, 2010

To date in 2010, there have been 35 human West Nile virus cases reported to the CDC in Alabama, Arizona, California, Colorado, Georgia, Kansas, Mississippi, Missouri, North Dakota, South Dakota, and Texas. The state of Illinois has reported 2 American Crows, 18 dead birds, and 117 mosquito batches positive for West Nile virus.

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
Northlake	06/18/2010	1.13	07/07/2010
Northlake	06/25/2010	0.46	07/11/2010
Northlake	07/07/2010	0.72	07/22/2010
Northlake	07/22/2010	0.64	08/05/2010
Northlake	07/23/2010	2.74	08/06/2010
Northlake	07/30/2010	1.60	08/13/2010



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 July. These services could include the following:

- **2105 Catch Basin Appl:** *Treatment of street catch basins for seasonal control of mosquito larvae development.*
- **2752 Truck ULV Service Call:** *ULV “touch-up” application for control of mosquito annoyance per citizen hotline request.*
- **2888 Truck ULV:** *ULV application for adult mosquito control.*

Services Performed July 2010:

Service Item	Start Date
ROS2888 - Biomist 3+15 Truck ULV	07/01/2010
ROS2888 - Biomist 3+15 Truck ULV	07/08/2010
ROS2888 - Biomist 3+15 Truck ULV	07/15/2010
ROS2888 - Biomist 3+15 Truck ULV	07/22/2010
ROS2888 - Biomist 3+15 Truck ULV	07/29/2010