Village of Volo

June 2010 Status Report

Surveillance & Weather:

The rainfall total for the month of June (6.17 inches at ORD) is 2.54 inches above the average for June (3.63in.). Temperature predictions for the beginning of July 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
Carroll	0	0	2	0	0	0
Cook	0	0	0	1	0	0
Gallatin	0	0	0	1	0	0
Greene	0	0	1	0	0	0
Jo Daviess	0	0	1	0	0	0
McLean	0	0	1	0	0	0
Mercer	0	0	1	0	0	0
Rock Island	0	0	1	1	0	0
St. Clair	0	0	1	1	0	0
Stephenson	0	0	1	0	0	0
Tazewell	0	0	1	2	0	0
TOTAL	**0**	**0**	**10**	**6**	**0**	**0**

Last updated June 30, 2010

To date in 2010, there have been 3 human West Nile virus cases reported to the CDC in Mississippi, Georgia, and Texas. The state of Illinois has reported 10 dead birds and 6 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	06/01/2010	0.62	06/21/2010
Northlake	06/05/2010	1.14	06/23/2010
Northlake	06/18/2010	1.13	07/07/2010
Northlake	06/25/2010	0.46	07/09/2010

Recommendations:

The CDC currently shows a risk category 1. Conduct entomological survey (inspections) and surveillance to monitor larval and adult mosquito density; Maintain vector and virus surveillance; Expand community outreach and public education programs focused on risk potential and personal protection emphasizing residential source reduction.

Operation and Surveillance Reports:

Below is a report outlining all services performed in the month of June. 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 June 2010:

Service Item	Start Date
ROS2888 - Biomist 3+15 Truck ULV	06/03/2010
ROS2888 - Biomist 3+15 Truck ULV	06/10/2010
ROS2888 - Biomist 3+15 Truck ULV	06/17/2010
ROS2888 - Biomist 3+15 Truck ULV	06/24/2010