



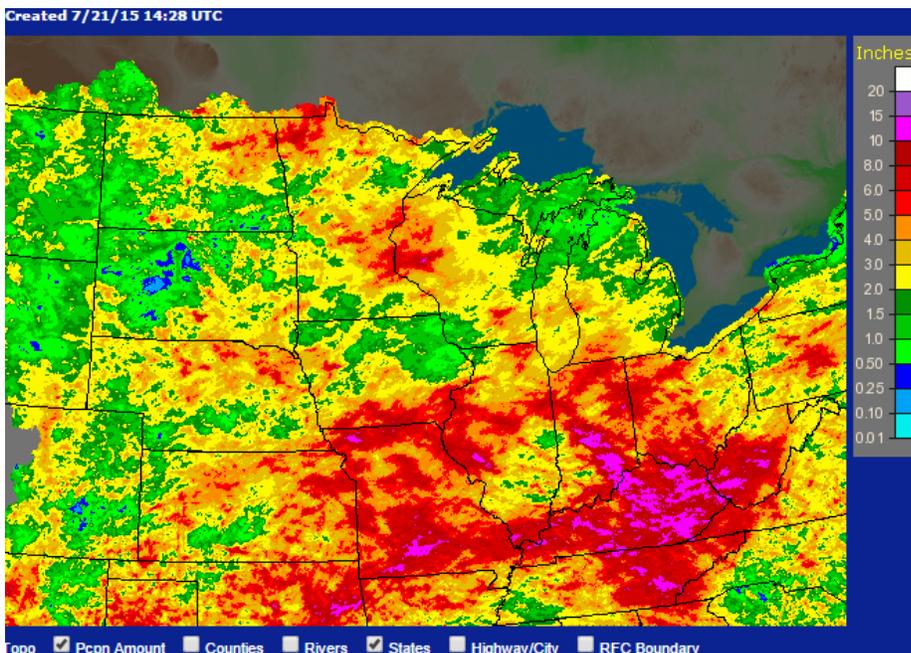
Lisle Township

July 2015 - Status Report

Season Perspective

Weather conditions critically affect the seasonal mosquito population. Excessive rainfall periods trigger hatches of floodwater mosquitoes (*Aedes vexans*), the dominant annoyance species in northern Illinois that has a flight range of 15 to 20 miles. The other target species is the northern house mosquito (*Culex pipiens*), the primary vector of West Nile virus (WNV) that flourishes under stagnant water drought conditions.

June of 2015 was the wettest on record for Illinois and the first half of July continued the much above normal precipitation pattern. Soil conditions throughout Illinois remain wet as most of the state experienced higher than normal rainfall in the first two weeks of July, according to Jennie Atkins of the Illinois State Water Survey (ISWS). The following ISWS map shows July rainfall and the many areas in Illinois that have received over 5.0 inches of rain:



The consequence of the record rainfall is one of the heaviest floodwater mosquito seasons in many years. Since June 1st, most areas in northern Illinois have received a series of ten (10), back-to-back floodwater mosquito broods. As a result, larval control efforts in floodwater areas have been intensified, and the extreme mosquito annoyance periods has required frequent adult mosquito applications, timed to hit floodwater mosquito migration brood peaks.

Despite late July temperatures and early August being in the upper 80s and low 90s, the National Weather Service long range weather forecast for August through October is for an increased chance of being cooler and wetter than average. This prediction is due to the



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 | Rainfall Date | Rain Amount (inches) | Brood Prediction Date |
|----------------------|---------------|----------------------|-----------------------|
| Du Page Co. | 06/11/2015 | 0.68 | 07/01/2015 |
| Du Page Co. | 06/13/2015 | 0.88 | 07/03/2015 |
| Du Page Co. | 06/15/2015 | 2.90 | 07/07/2015 |
| Du Page Co. | 06/18/2015 | 0.54 | 07/09/2015 |
| Du Page Co. | 06/29/2015 | 0.89 | 07/17/2015 |
| Du Page Co. | 07/06/2015 | 1.66 | 07/22/2015 |
| Du Page Co. | 07/16/2015 | 0.83 | 08/01/2015 |
| Du Page Co. | 08/02/2015 | 0.77 | 08/16/2015 |

Upcoming Operations

- 1 Completed Inspection
- 2 Targeted Inceptions
- 2 Catch Basin Treatments

Services Performed July 2015:

| Service Item | Start Date |
|--|------------|
| ROS2802 - Anvil Truck ULV Application | 07/07/2015 |
| ROS1252 - Complete Site Larval Insp Serv | 07/08/2015 |
| ROS2015 - Vectolex WSP Catch Basin Trtmt | 07/13/2015 |
| ROS2202 - 5% Abate Heli Prehatch | 07/13/2015 |
| ROS1752 - Vectobac (B.T.I.) BP Larv | 07/16/2015 |
| ROS1352 - Larval Site Service Call | 07/16/2015 |
| ROS2802 - Anvil Truck ULV Application | 07/21/2015 |
| ROS1302 - Targeted Site Larval Insp Serv | 07/27/2015 |