

**NORTH SHORE MOSQUITO ABATEMENT DISTRICT**  
**Weekly Report**

Surveillance Results For: 09/01/2018 – 09/07/2018  
Week Number: 36

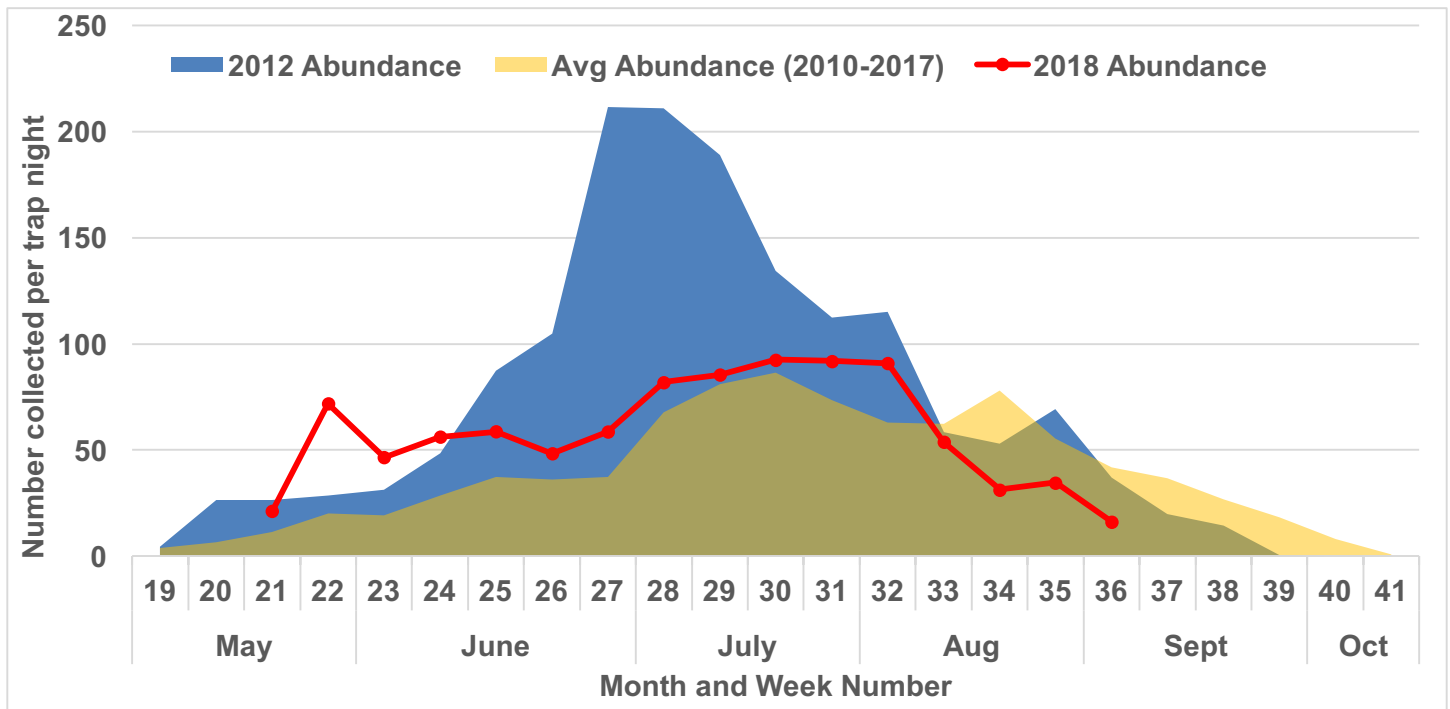
Date of Report: 09/12/2018

**West Nile Virus Surveillance**

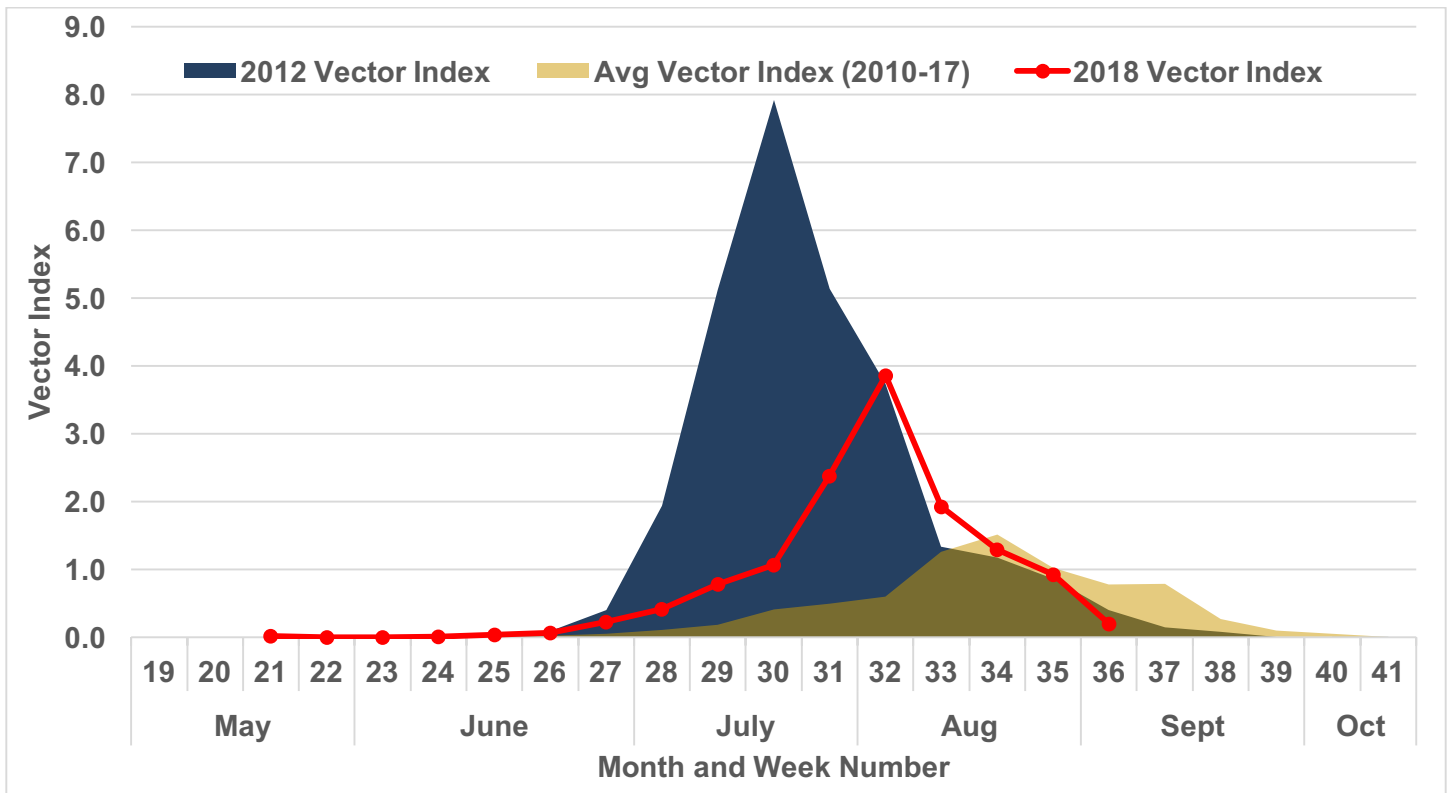
**WNV Risk Level:** The risk of infection at this time is moderating. People should continue to take personal protection measures including using repellent, proper attire and eliminating standing water sources where possible. The most current test results can be found on our [website](#).

Municipality	Batches Tested This Week		Batches Tested Season Total	
	# WNV+	# Tested	# WNV+	# Tested
Evanston	3	11	102	359
Glencoe	0	2	15	60
Glenview/Golf	6	9	89	175
Kenilworth	0	1	16	51
Lincolnwood	0	1	32	111
Morton Grove	0	2	37	95
Niles	0	1	29	86
Northbrook	0	3	27	74
Northfield	0	1	25	83
Skokie	2	6	129	345
Wilmette	2	2	18	72
Winnetka	0	1	56	132
<b>Total</b>	<b>13</b>	<b>40</b>	<b>575</b>	<b>1643</b>

**WNV Vector Abundance and Infection Rate:** *Culex* spp. abundance during week 36 decreased to 16.3 mosquitoes/trap/night, which is below average for this time. The WNV infection rate decreased to 12.24 from the previous week's 26.7 infected mosquitoes per 1000 tested. Although the infection rate is below average for this time of year, there continues to be a risk of infection to humans.



**Vector Index:** The Vector Index decreased from .93 in week 35 to .20 in week 36. This value indicates a reduced risk of human infection.

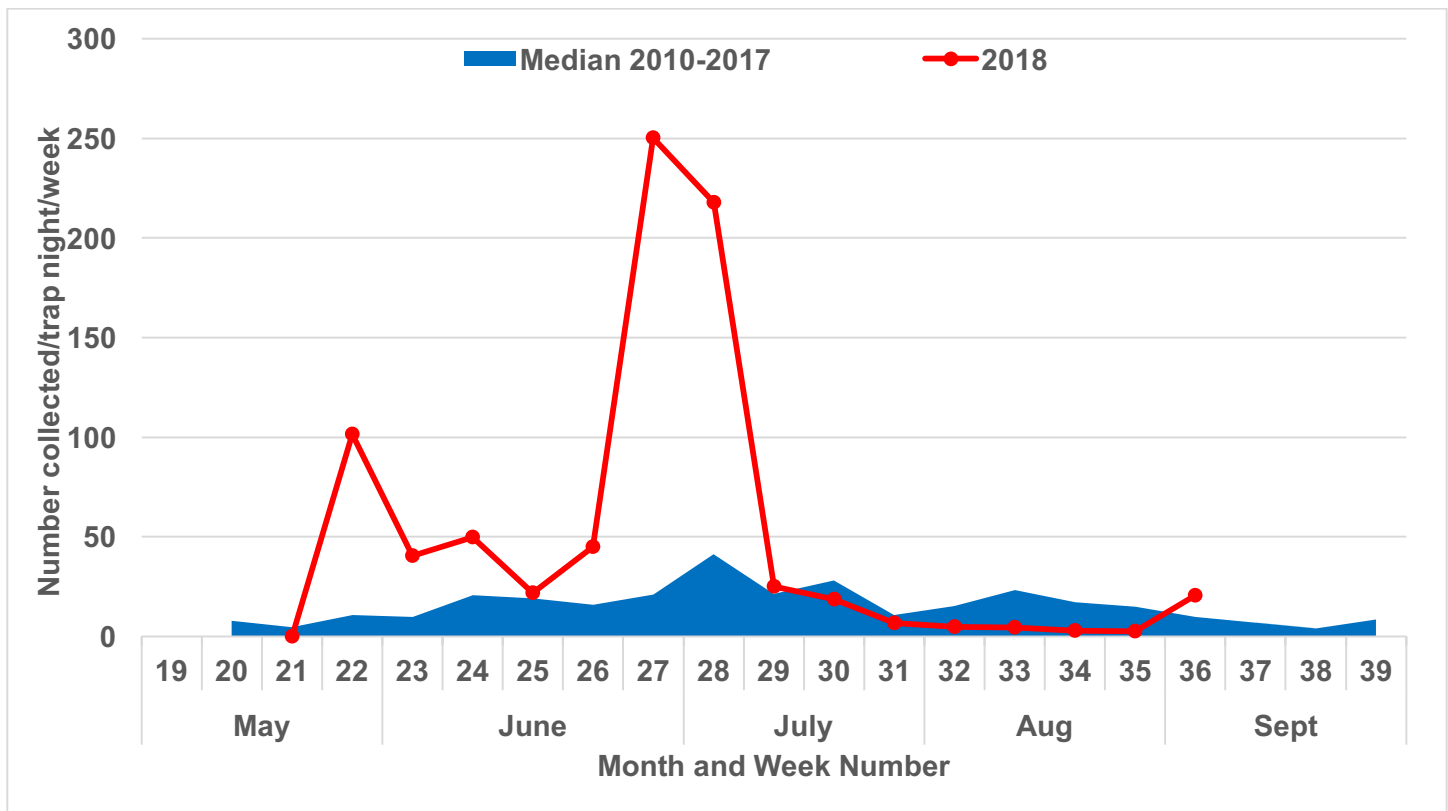


Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2017 and current year 2018.  
 Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

## **Nuisance Mosquito Surveillance**

**Surveillance Data:** Nuisance mosquito populations (*Aedes* spp.) increased to 20.6 per/trap/night. This is above average for this time of year. Precipitation during weeks 35 and 36 may lead to increased populations of nuisance mosquitoes during the next 10 – 14 days.

### **New Jersey Light Trap Collections**



### **Aedes albopictus Information**

We are continuing to look for *Ae. albopictus* (Asian Tiger mosquito) during our routine trap and inspection surveillance.

### **Human Surveillance**

As of this report, there are two human cases of WNV in the District, one resident of Northbrook, onset during week 33 and one resident of Lincolnwood, onset during week 34. For additional information regarding human WNV cases, please visit the [Illinois Department of Public Health](#) website.

### **Larval Control and Source Reduction**

**Please let us know if/when there is any scheduled/emergency catch basin cleaning within your community.**

The third round of catch basin treatments is continuing. Inspections and treatments of standing water sites are continuing as needed.

### **Adult Mosquito Control Operations**

There were no adult mosquito control operations during week 36. Please see our [website](#) for the most current treatment information.

### **Public Information**

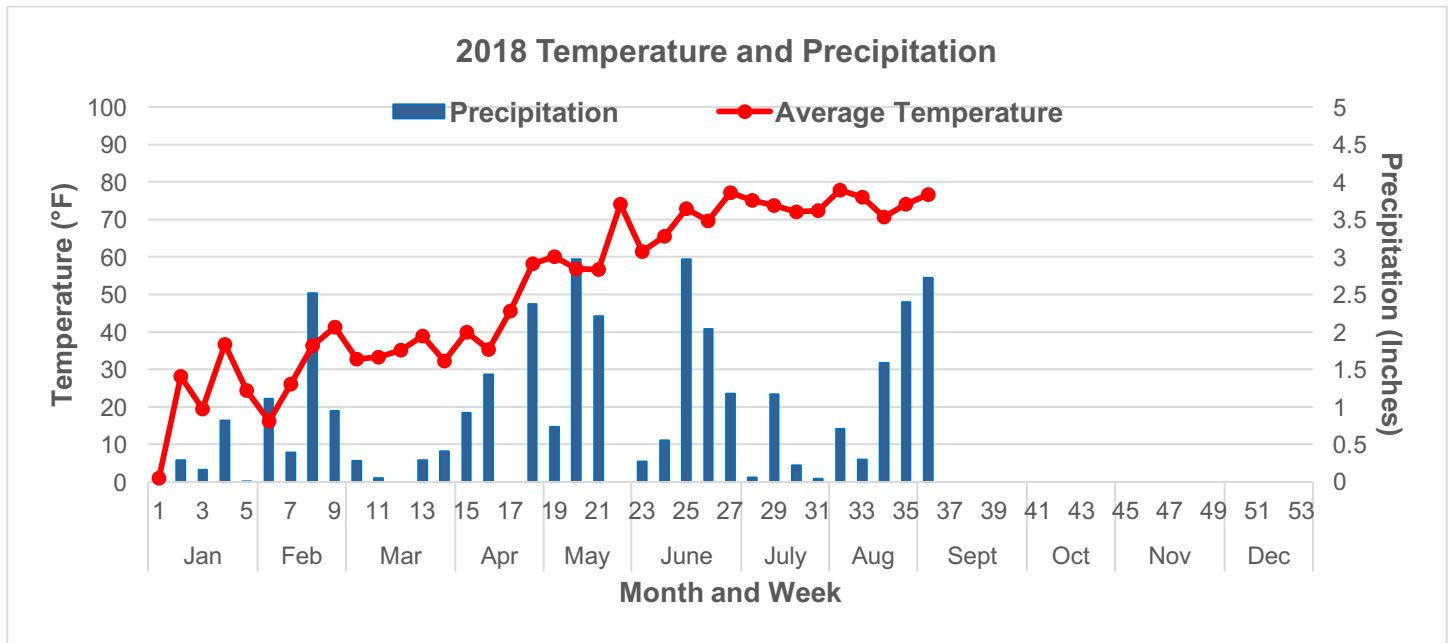
**Please inspect your property for items that may contain stagnant water. If it can hold water, it can breed mosquitoes.**

Please contact us if you would like the NSMAD public information booth to appear at an event or if a presentation regarding mosquitoes and public health would be helpful to your community.

## Weather Monitoring

The graph below shows the total precipitation and average temperature for 2018.

Week 36 brought 2.72 inches of rain with temperatures averaging 76.6 degrees Fahrenheit.



Source: NOAA Station: Chicago Botanical Garden, IL US GHCND:USC00111497

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