

## NORTH SHORE MOSQUITO ABATEMENT DISTRICT Weekly Report

Surveillance Results For: 09/24/2017 - 09/30/2017

Date of Report: 10/05/2017

Week Number: 39

This is the final weekly report for the 2017 season. A seasonal summary will be sent later this month.

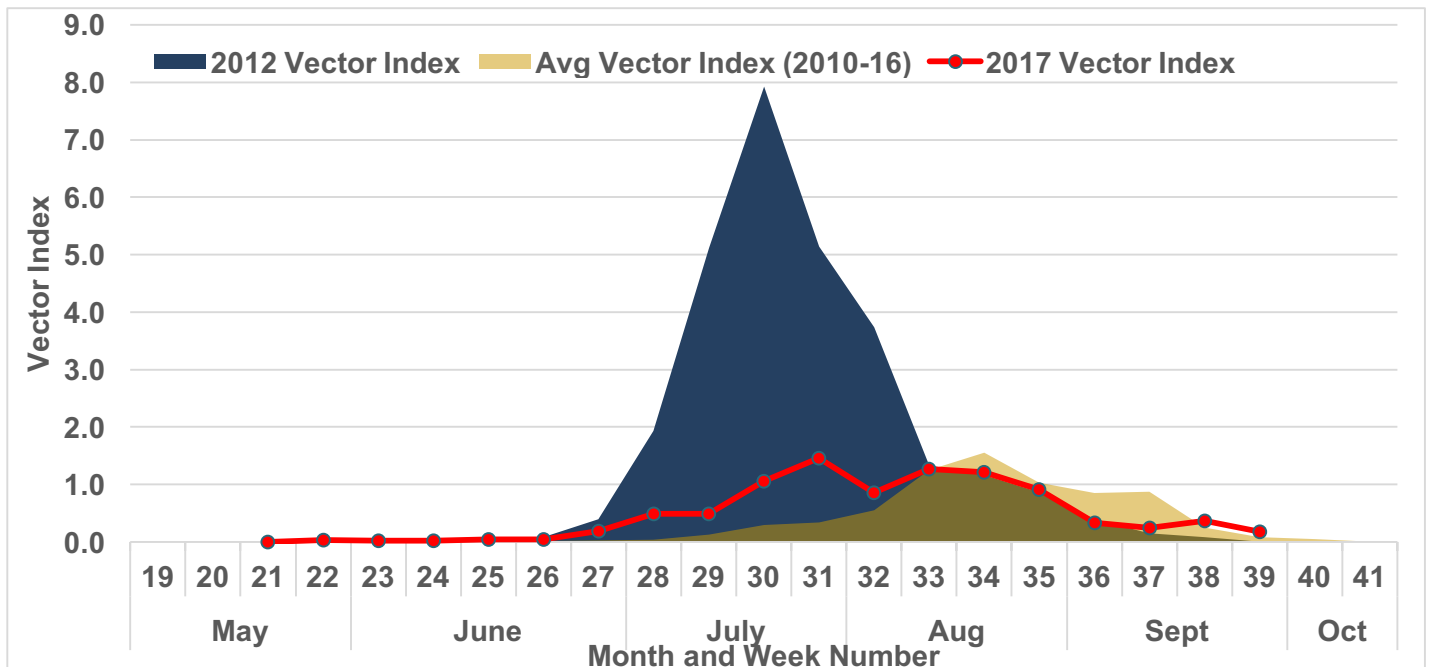
### West Nile Virus Surveillance

**WNV Risk Level:** WNV risk remained at relatively low levels during week 39 despite above average temperatures that occurred during the early part of the week. The lower WNV risk is a typical late summer/early fall pattern. Temperatures and mosquito biting activity will increase slightly over the coming weekend, then decrease to more seasonally-normal levels the following week. Despite the decreasing WNV risk, there are still WNV-infected mosquitoes present in our communities and they will be present until the first hard frost of the season. Residents should still be advised to take precautions to avoid mosquito bites.

Municipality	Batches Tested This Week		Batches Tested Season Total	
	# WNV+	# Tested	# WNV+	# Tested
<b>Evanston</b>	3	18	139	<b>394</b>
<b>Glencoe</b>	0	0	6	<b>47</b>
<b>Glenview/Golf</b>	4	16	68	<b>173</b>
<b>Kenilworth</b>	1	4	41	<b>100</b>
<b>Lincolnwood</b>	0	7	46	<b>140</b>
<b>Morton Grove</b>	1	2	36	<b>80</b>
<b>Niles</b>	0	7	6	<b>52</b>
<b>Northbrook</b>	1	3	25	<b>63</b>
<b>Northfield</b>	0	2	20	<b>61</b>
<b>Skokie</b>	1	25	140	<b>344</b>
<b>Wilmette</b>	1	4	18	<b>59</b>
<b>Winnetka</b>	0	3	8	<b>52</b>
<b>Total</b>	<b>12</b>	<b>91</b>	<b>553</b>	<b>1565</b>

**WNV Vector Abundance and Infection Rate:** While the infection rate for week 39 decreased, *Culex pipiens* abundance remained slightly above average due to the warmer weather during. Abundance was 56/trap night and the infection rate was 3/1000 mosquitoes tested.

**Vector Index:** The Vector Index during week 38 was 0.2, which is approximately average for this time of year.

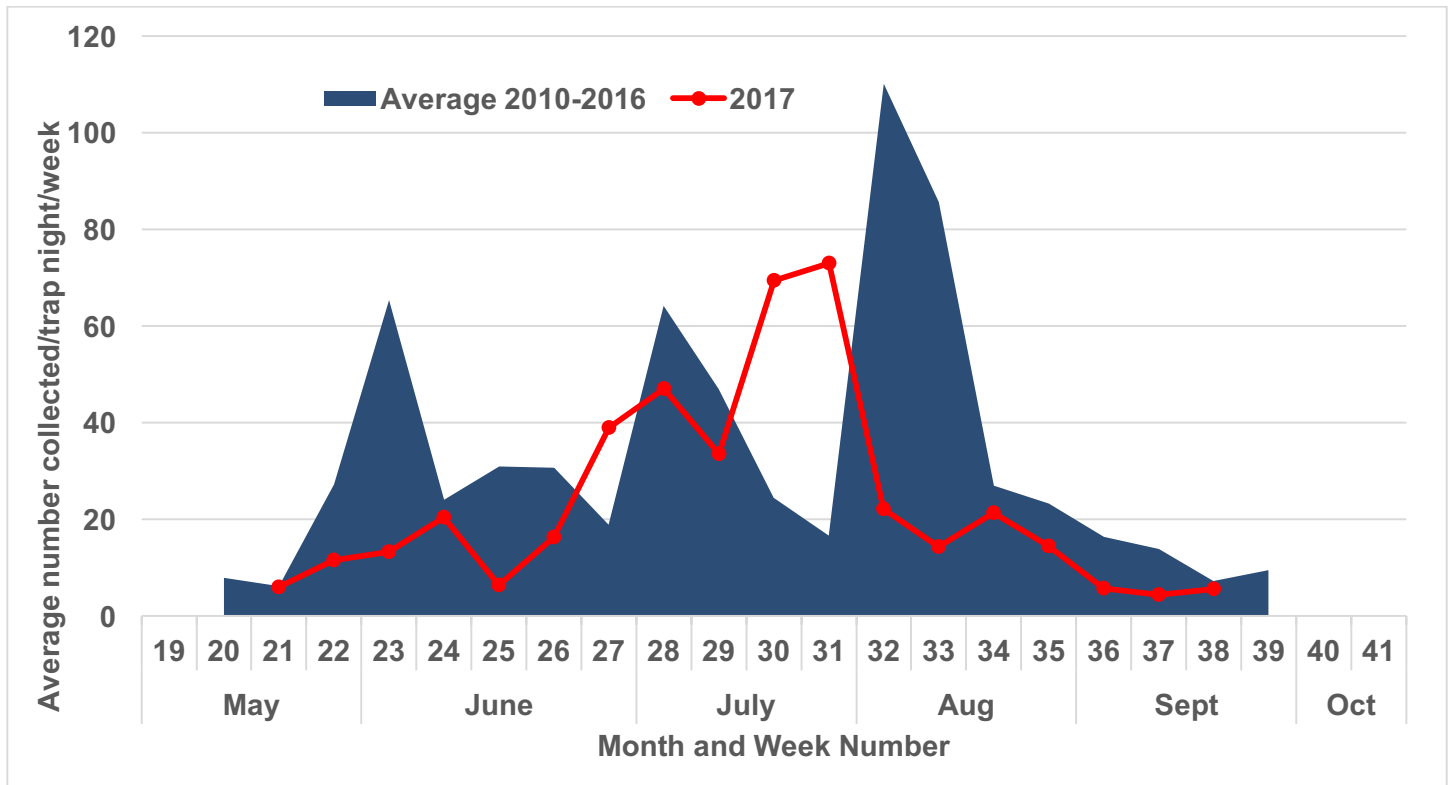


Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2016 and current year 2017.  
Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

## Nuisance Mosquito Surveillance

**Surveillance Data:** Nuisance mosquito monitoring using New Jersey Light Traps terminated at the end of week 38. No new nuisance mosquito data are available. Based on predicted weather patterns, we expect nuisance mosquito abundance to remain low for the rest of the season.

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



### **Aedes albopictus Information**

No additional *Ae. albopictus* were found during week 39. A total of two were collected during 2017.

### **Human Surveillance**

As of October 4, 2017, the [Illinois Department of Public Health](#) is reporting 42 human cases with one death. Thirteen human cases have occurred in Cook County. As of this report, there have been two human cases of WNV in District this year, both of which had onset dates during week 35.

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

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

District-wide larval control treatments were discontinued on September 15. Residents should continue to be reminded that **anything that can hold water will breed mosquitoes.**

### **Adult Mosquito Control Operations**

There were no adult mosquito control operations conducted during week 39. They have been discontinued for the season. Please see our [website](#) for this season's historical information and general information about adult control operations.

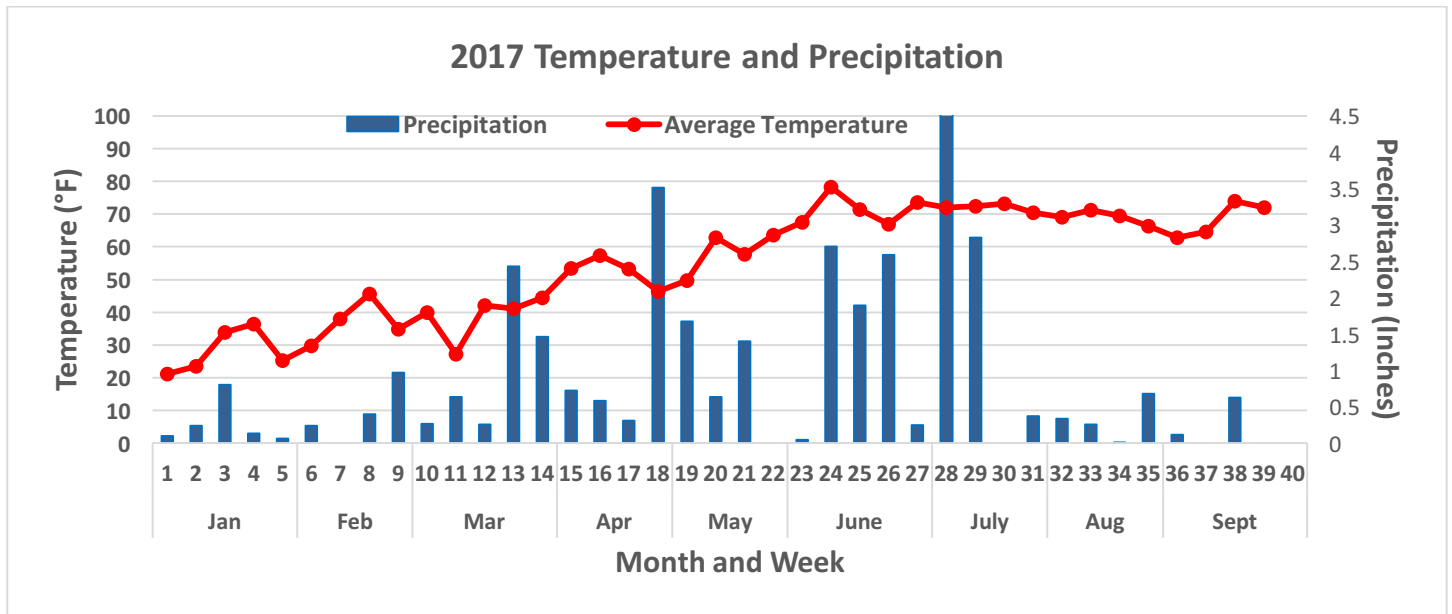
### **Public Information**

**Inspect your property for items that may contain water and drain or discard them. If it can hold water, it can breed mosquitoes.**

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

Temperatures during the first half of week 39 were above average with daytime highs reaching into the 90s and overnight lows in the mid to upper 60s. Temperatures decreased to more normal levels during the last half of the week. There was no precipitation during week 39, which continued an approximately 8 week pattern of below normal rainfall.



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

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