

NORTH SHORE MOSQUITO ABATEMENT DISTRICT
Weekly Report

Surveillance Results For: 07/28/2018 – 08/03/2018
Week Number: 31

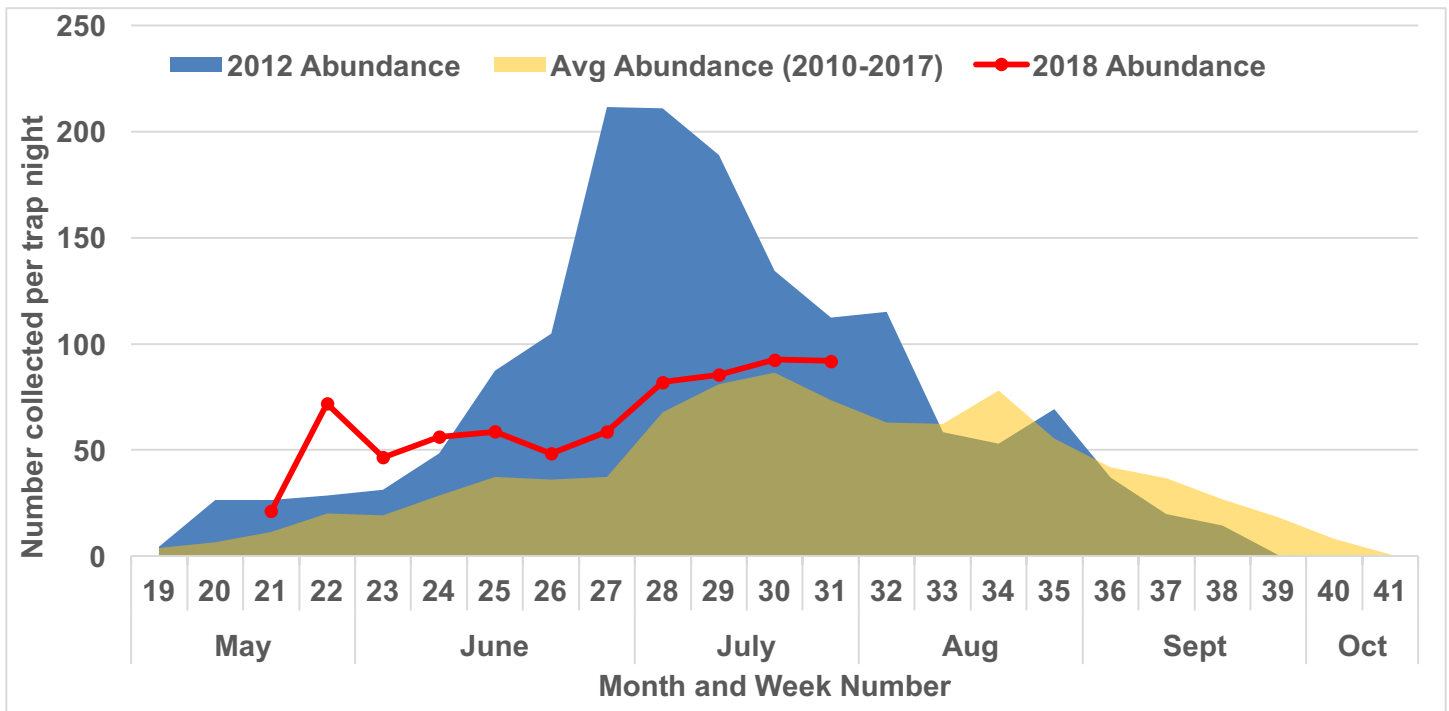
Date of Report: 08/08/2018

West Nile Virus Surveillance

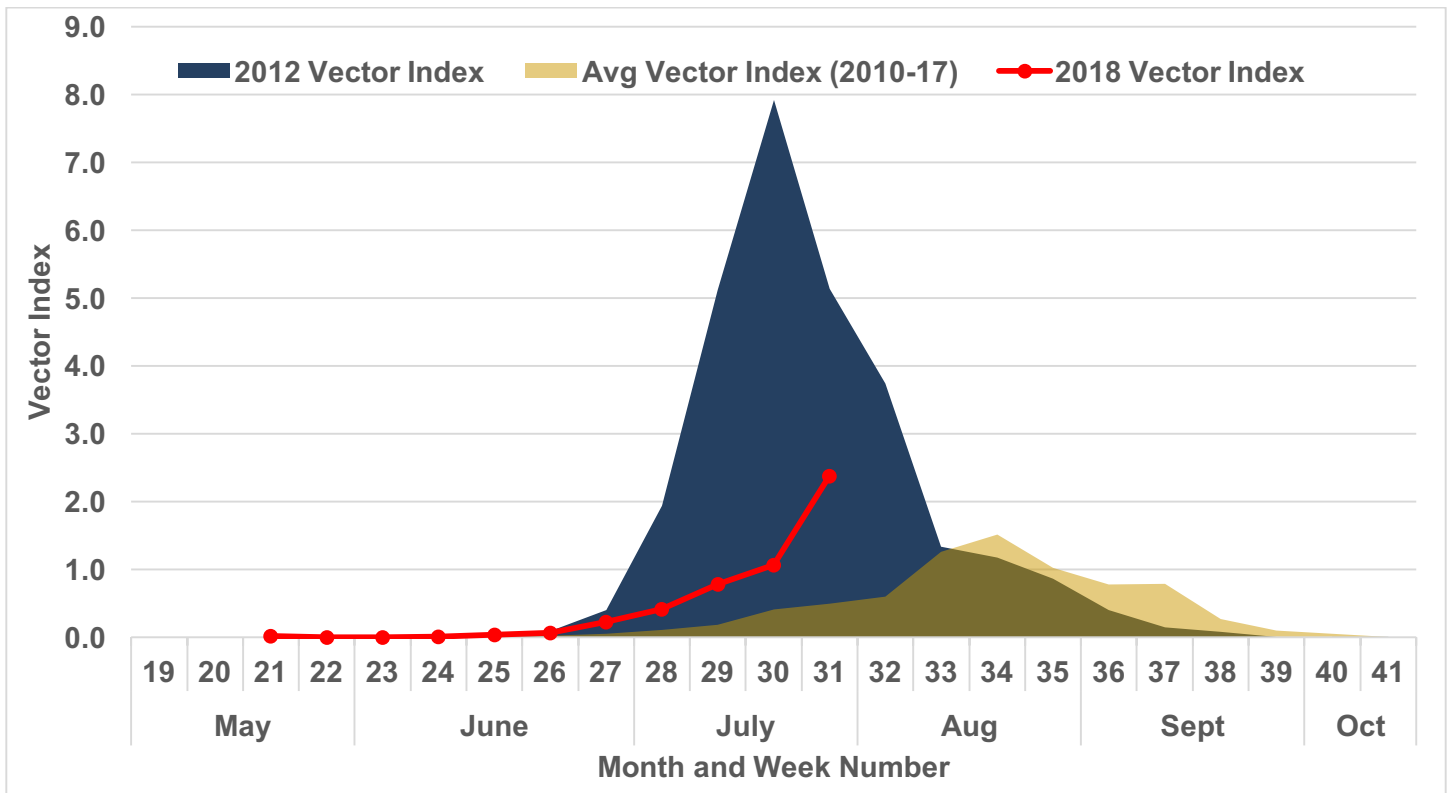
WNV Risk Level: The risk of infection at this time is high. People are strongly advised to take personal protection measures including using repellent, proper attire and eliminating standing water sources where possible. The most current test results can be found on our [website](#).

Municipality	Batches Tested This Week		Batches Tested Season Total	
	# WNV+	# Tested	# WNV+	# Tested
Evanston	21	22	58	291
Glencoe	4	6	7	43
Glenview/Golf	9	14	27	100
Kenilworth	2	5	6	36
Lincolnwood	4	7	10	84
Morton Grove	4	6	17	69
Niles	5	5	13	62
Northbrook	3	6	14	50
Northfield	2	7	9	58
Skokie	24	27	68	270
Wilmette	3	4	8	57
Winnetka	8	14	20	89
Total	89	123	257	1209

WNV Vector Abundance and Infection Rate: *Culex* spp. abundance during week 31 remains elevated at 92.0 mosquitoes/trap/night, which continues to be above average. The WNV infection rate increased to 25.8 infected mosquitoes per 1000 tested, which is above average for week 31 and indicates a high risk of infection to humans.



Vector Index: The Vector Index increased from 1.06 in week 30 to 2.37 in week 31. This index indicates a high risk of human infection.

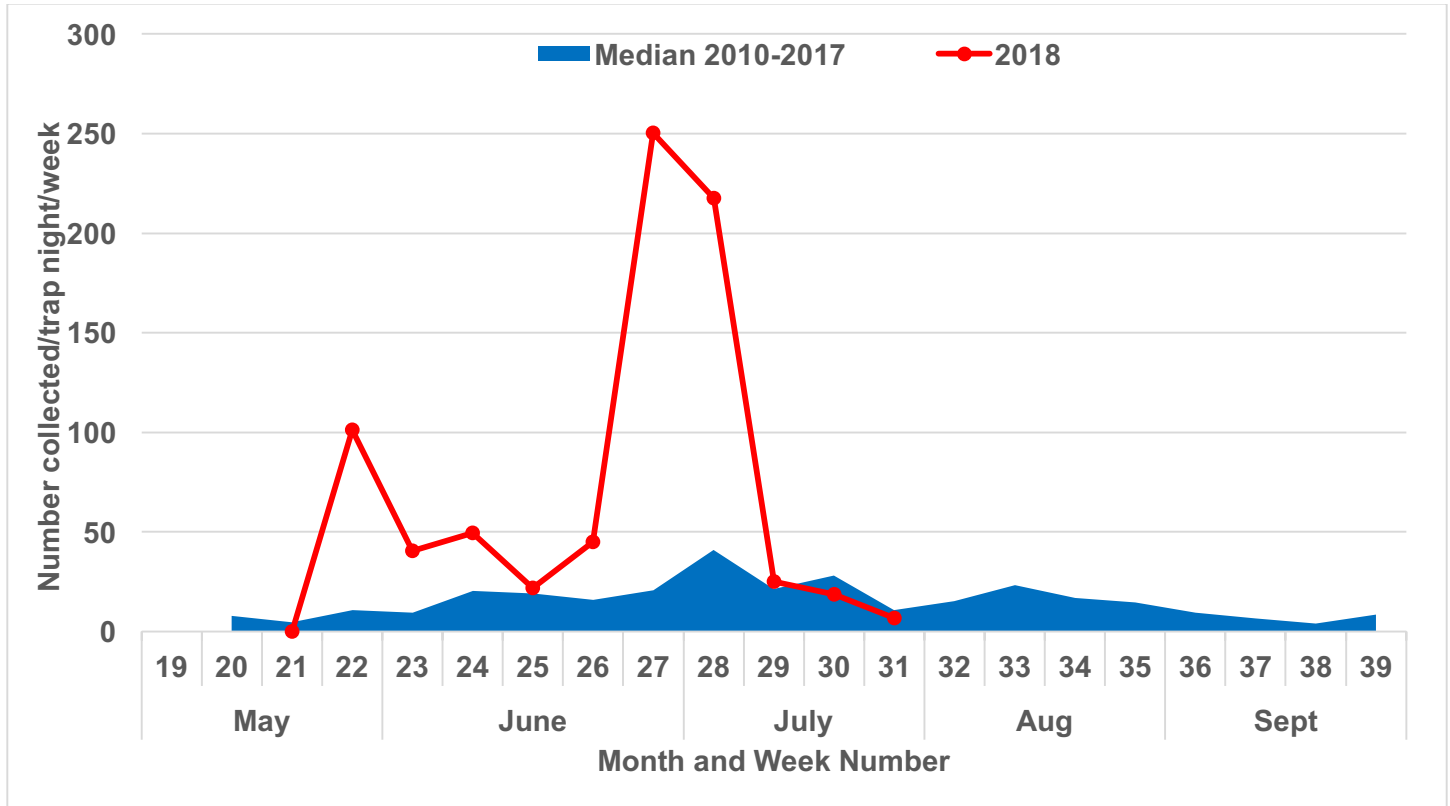


Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2017 and current year 2018.
 Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

Nuisance Mosquito Surveillance

Surveillance Data: Nuisance mosquito populations (*Aedes* spp.) continued to decline during week 31 and are average for this time of year.

New Jersey Light Trap Collections



Aedes albopictus Information

We are continuing to look for *Ae. albopictus* during our routine trap and inspection surveillance to determine if there are Asian Tiger Mosquitoes present in the district. Should they be found, additional surveillance will be employed.

Human Surveillance

As of this report, the [Illinois Department of Public Health](#) is reporting two human cases of West Nile virus in 2018, one in DuPage County and one in Will County.

Larval Control and Source Reduction

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

Round two of catch basin treatments on public roads is near completion. Inspections and treatments of standing water sites are continuing on an as needed basis as floodwater sites have dried up.

Adult Mosquito Control Operations

Adult mosquito control operations were conducted in portions of Glenview, Golf, Lincolnwood, Morton Grove, Niles, Northbrook and Skokie during week 31. Please see our [website](#) for the most current treatment information.

Public Information

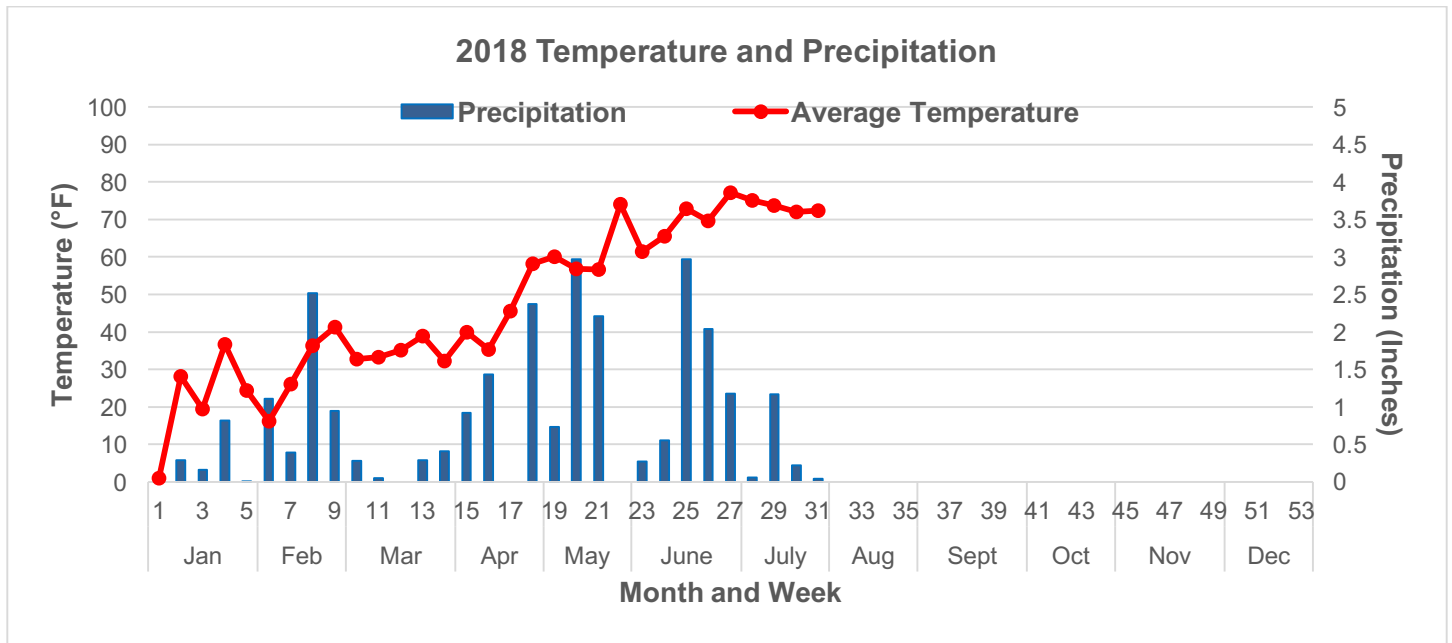
Please inspect your property for items that may contain stagnant water. If it can hold water, it can breed mosquitoes.

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 31 brought .04 inches of rain with temperatures averaging 72.3° Fahrenheit.



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

Dave Zazra
Communications Manager
dzazra@nsmad.com