

NORTH SHORE MOSQUITO ABATEMENT DISTRICT
Weekly Report

Surveillance Results For: 06/30/2018 – 07/06/2018
 Week Number: 27

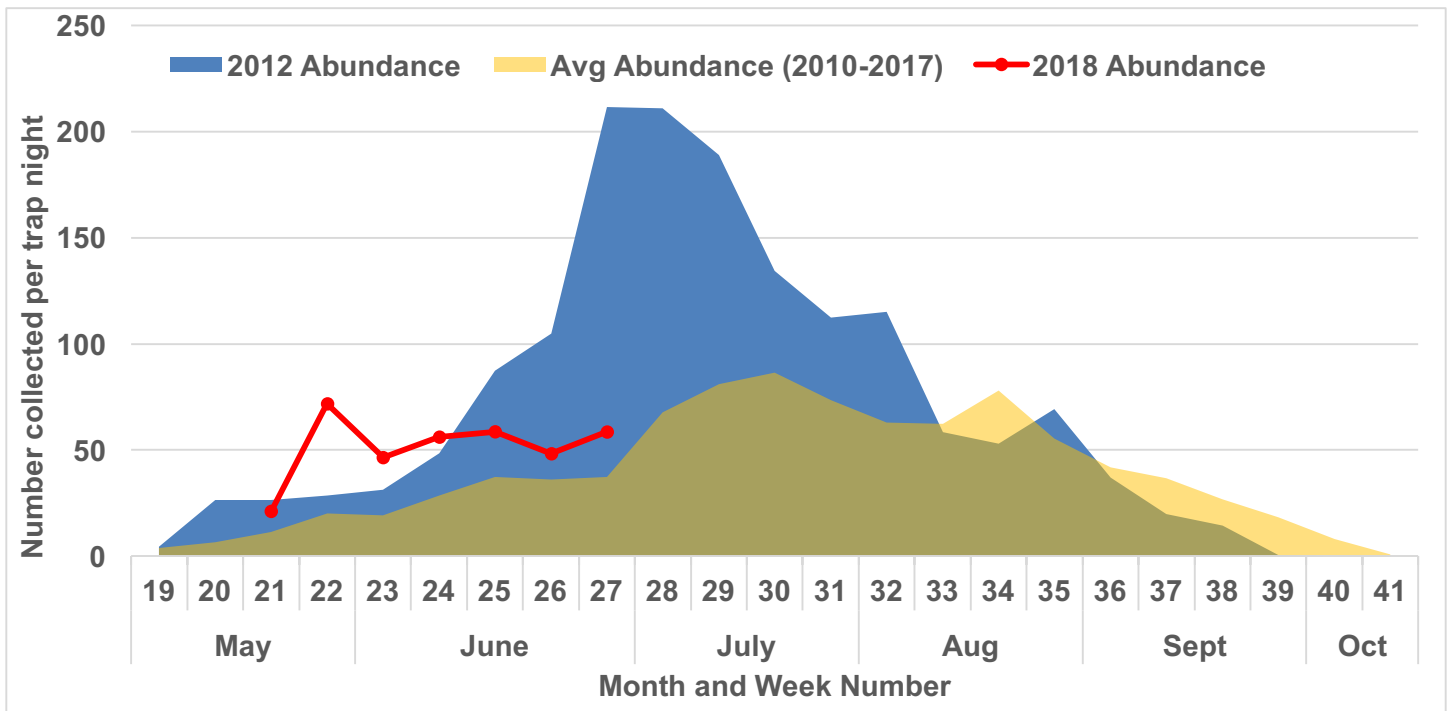
Date of Report: 07/11/2018

West Nile Virus Surveillance

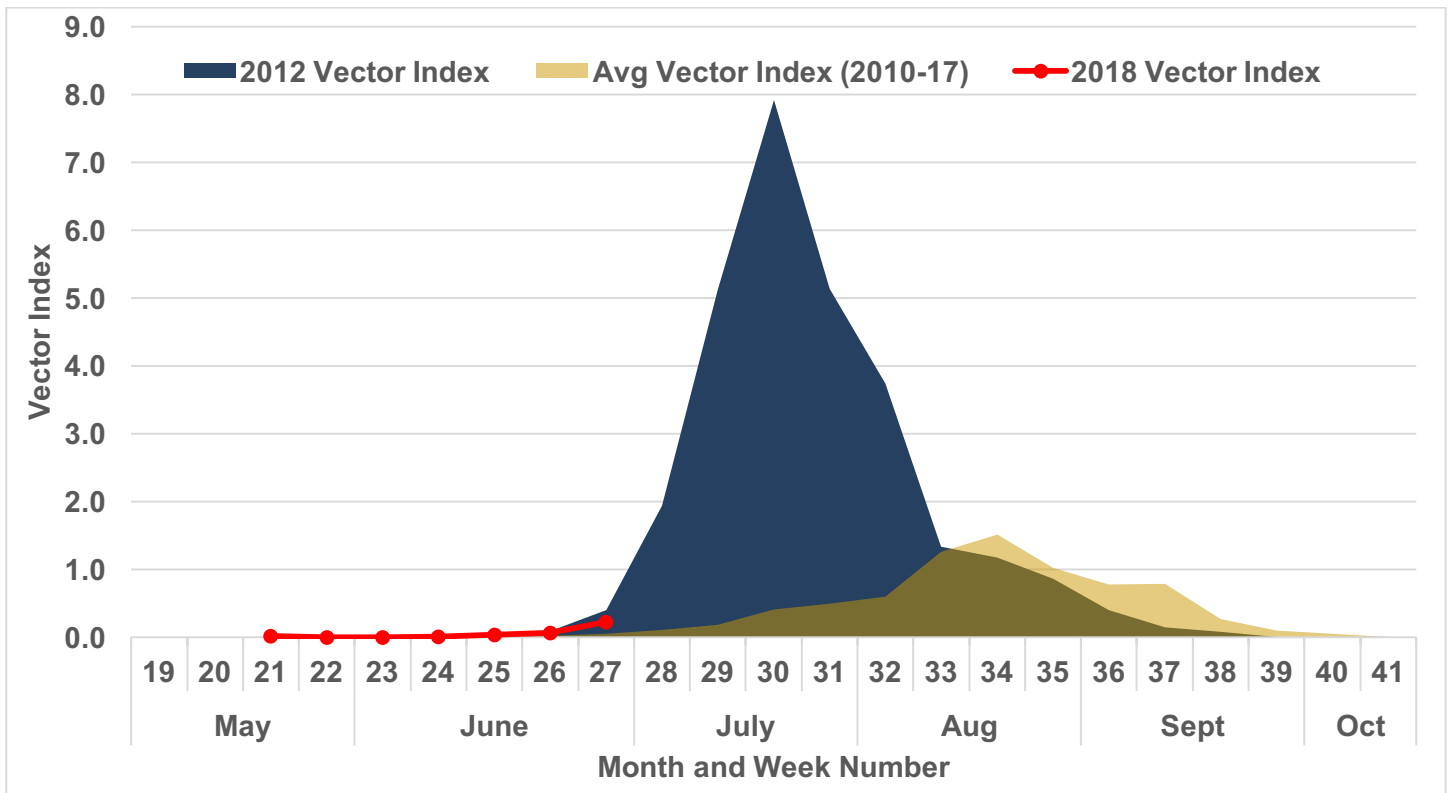
WNV Risk Level: The first batches of mosquitoes from our Winnetka gravid trap tested positive during week 27. The risk of infection at this time is increasing towards the moderate range. People are advised to take personal protection measures including using repellent, proper attire and eliminating standing 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	5	24	6	161
Glencoe	0	1	1	26
Glenview/Golf	1	6	3	50
Kenilworth	0	2	0	17
Lincolnwood	1	6	2	53
Morton Grove	0	7	1	37
Niles	2	8	3	34
Northbrook	0	3	1	22
Northfield	1	7	2	34
Skokie	3	21	6	140
Wilmette	0	2	0	38
Winnetka	3	7	3	45
Total	16	94	28	657

WNV Vector Abundance and Infection Rate: *Culex* spp. abundance during week 27 was 58.6 mosquitoes/trap/night, which continues to be above average. The WNV infection rate increased to 3.9 infected mosquitoes per 1000 tested, which is above average for week 27 and indicates an increasing risk to humans.



Vector Index: The Vector Index increased from .07 in week 26 to .23 in week 27. This change represents an increasing risk of human infection.

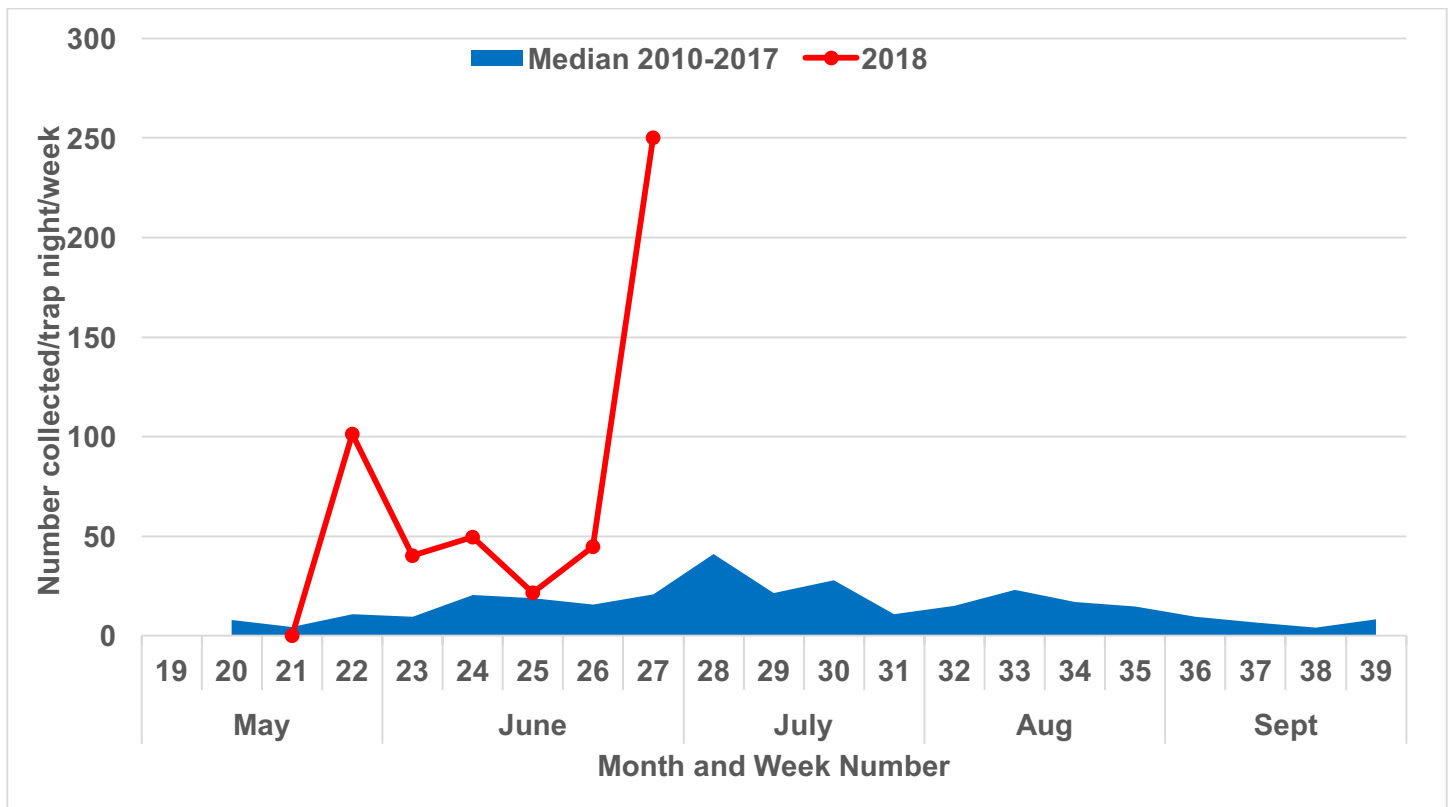


Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2017 and current year 2018.
 Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

Nuisance Mosquito Surveillance

Surveillance Data: Nuisance mosquito populations (*Aedes* spp.) are far above the median for week 27.

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 one human case of West Nile virus in 2018, a resident of the City of Chicago.

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 has begun. Staff is treating remaining floodwater production sites.

Adult Mosquito Control Operations

Adult mosquito control operations were conducted in portions of Glenview, Northbrook, Northfield, Skokie, Wilmette and Winnetka during week 27.

We are doing our best to perform these operations throughout the District when conditions are favorable for effective control. High winds (>10 mph), cool night time temperatures (<65°F) and rain prevent these treatments from occurring. Please see our [website](#) for the most current information.

Public Information

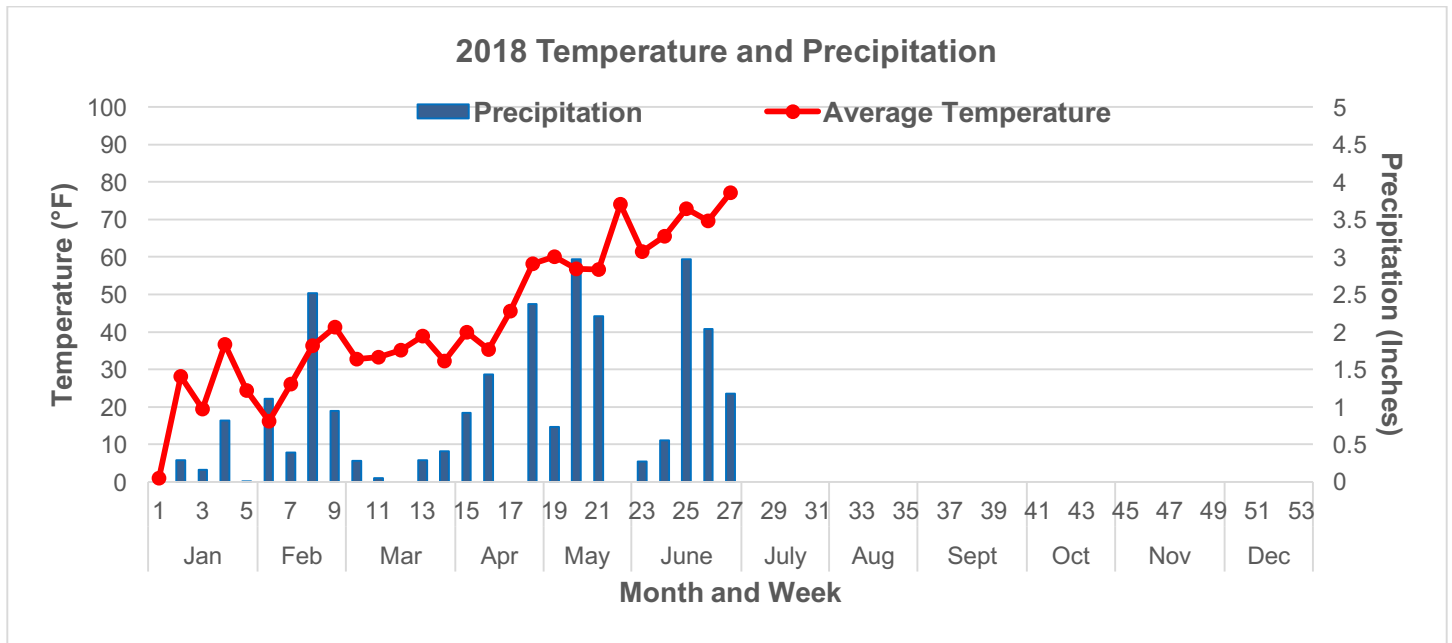
Please inspect your property for items that may contain stagnant water. If it can hold water, it can breed mosquitoes.

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 27 brought 1.18" of rain with temperatures averaging 77.2° Fahrenheit.



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

Dave Zazra
Communications Manager
dzazra@nsmad.com