

NORTH SHORE MOSQUITO ABATEMENT DISTRICT
Weekly Report

Surveillance Results For: 09/22/2018 – 09/28/2018
Week Number: 39

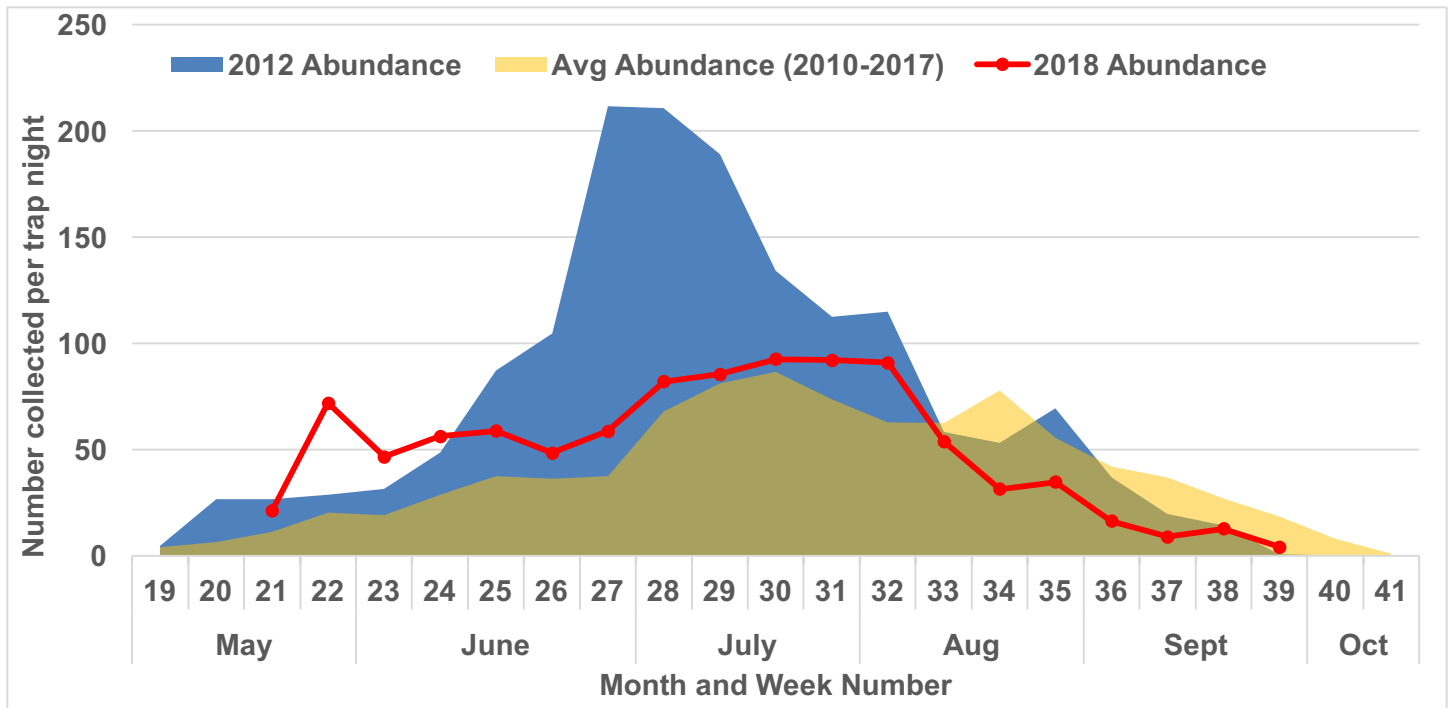
Date of Report: 10/04/2018

West Nile Virus Surveillance

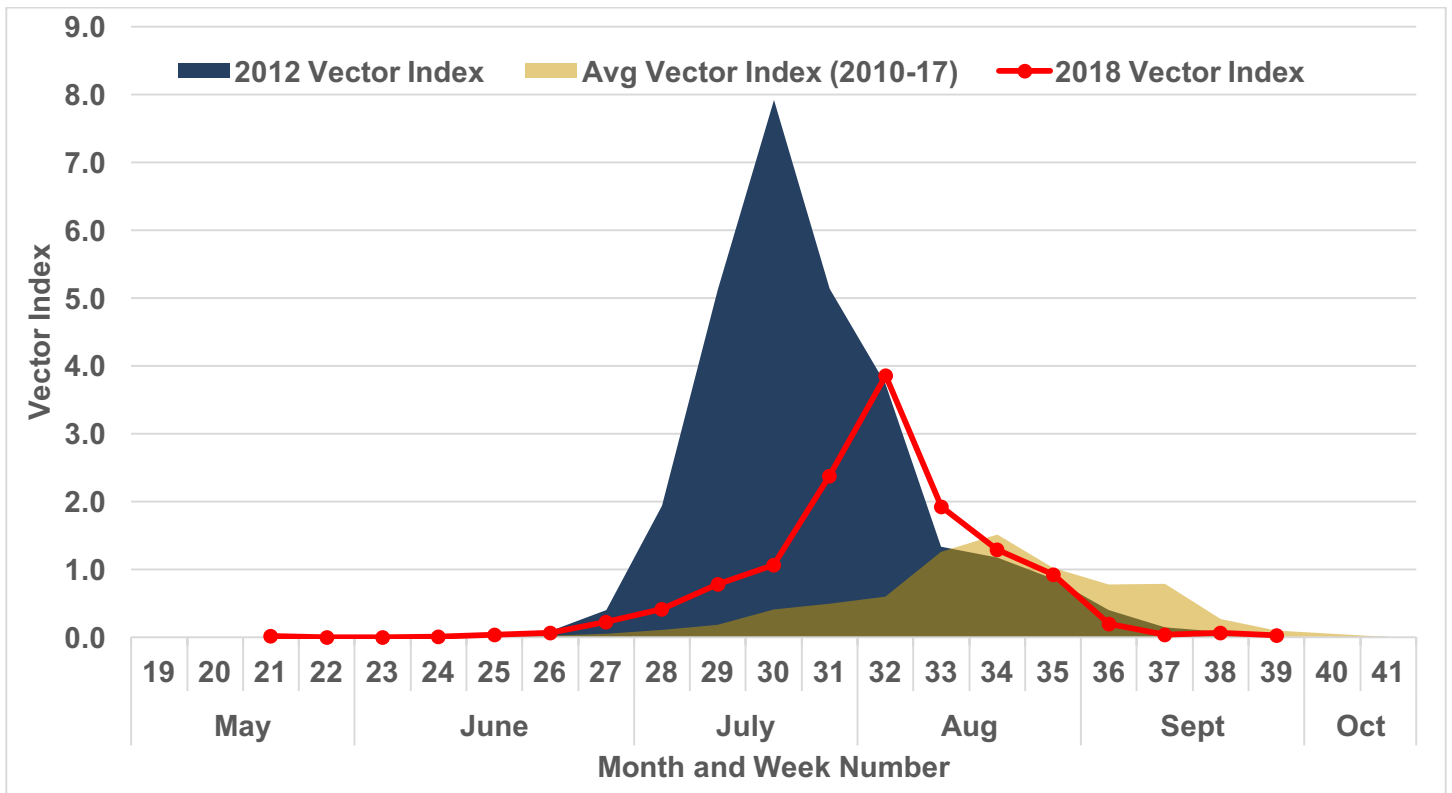
WNV Risk Level: The risk of infection at this time is low. We have ceased the trapping and testing of gravid *Culex spp.* mosquitoes for WNV for 2018. Despite the decreasing WNV risk, there are still WNV-infected mosquitoes present in our communities and they will be present until the first hard frost of the season. 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	0	1	102	372
Glencoe	0	0	16	62
Glenview/Golf	0	2	90	186
Kenilworth	0	0	16	51
Lincolnwood	0	0	32	111
Morton Grove	1	2	38	103
Niles	0	0	30	91
Northbrook	0	1	27	78
Northfield	0	0	25	84
Skokie	0	2	130	357
Wilmette	0	0	18	75
Winnetka	0	0	57	135
Total	1	8	581	1705

WNV Vector Abundance and Infection Rate: *Culex spp.* abundance during week 39 decreased to 4.1 mosquitoes/trap/night and remains below average for this time of year. The WNV infection rate increased slightly to 7.02 from the previous week's 4.90 infected mosquitoes per 1000 tested. This value continues to indicate a reduced risk of human infection.



Vector Index: The Vector Index decreased slightly to 0.03 in week 39 from 0.06 in week 38. This value indicates a reduced risk of human infection.

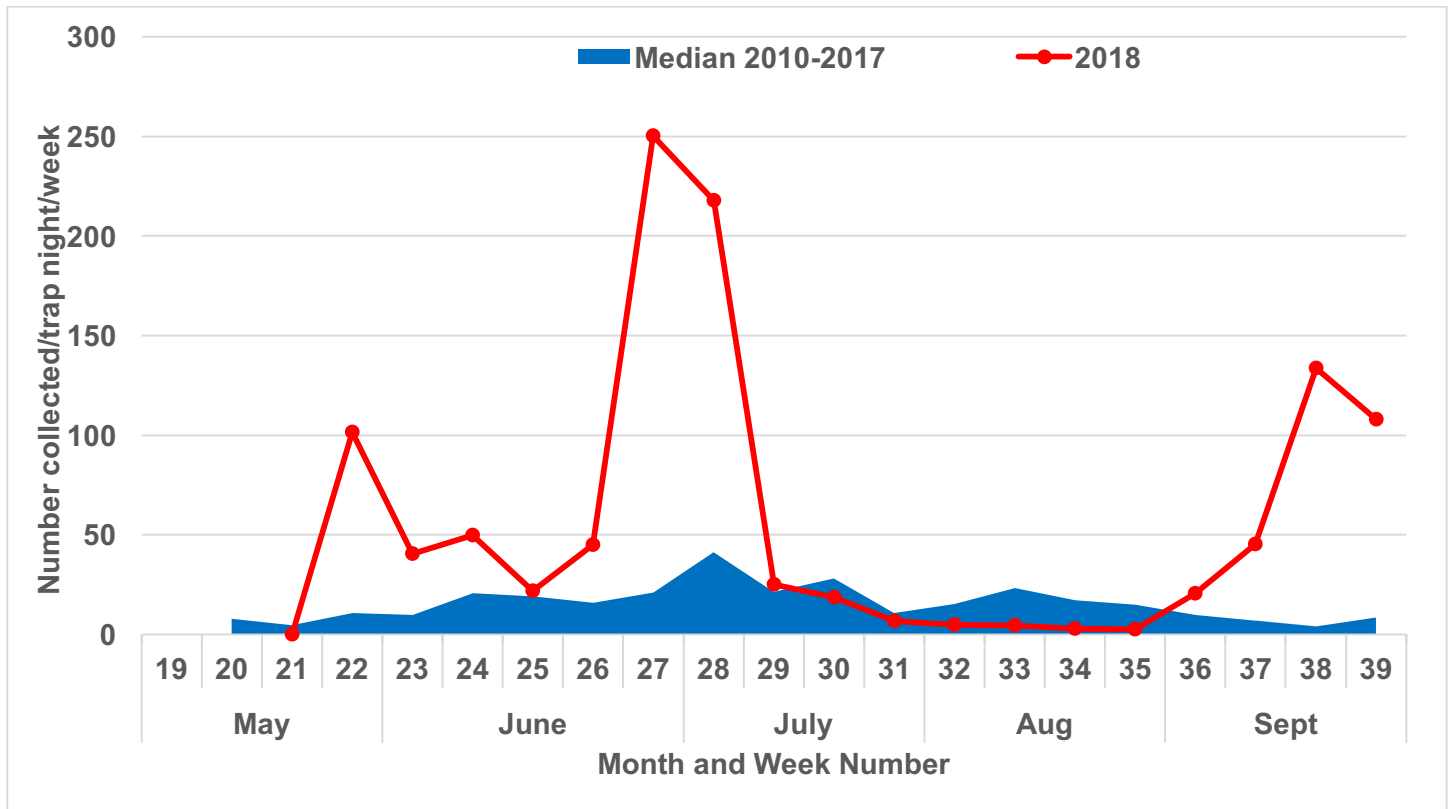


Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2017 and current year 2018.
 Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

Nuisance Mosquito Surveillance

Surveillance Data: During week 39, nuisance mosquito populations (*Aedes* spp.) decreased to 108 per/trap/night from 133 per/trap/night during week 38. This was well above average for this time of year. Abundance will continue to decline as weather conditions become more autumnal.

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 five human cases of WNV in the District, one resident of Northbrook, three residents of Lincolnwood and one resident of Glenview. 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.

Inspections and treatments of standing water sites will continue as needed through week 40.

Adult Mosquito Control Operations

There were no adult mosquito control operations during week 39. Please see our [website](#) for the most current treatment information.

Public Information

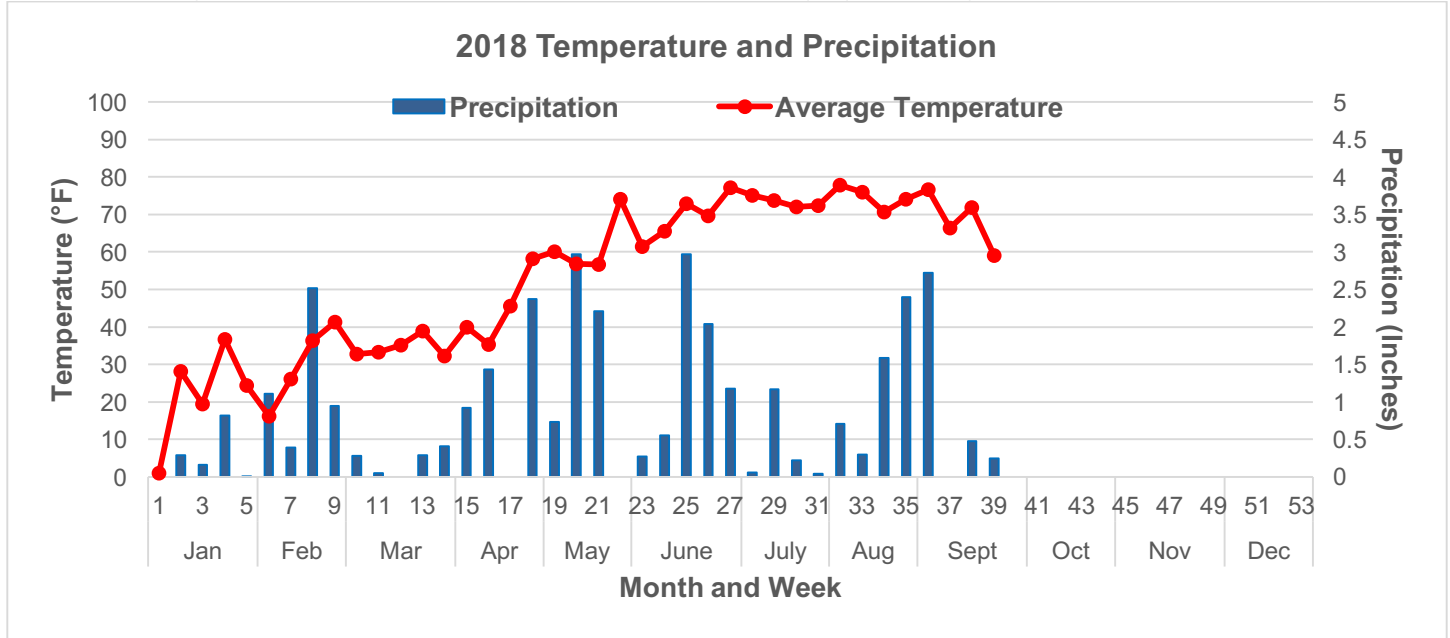
Please inspect your property for items that may contain stagnant water. If it can hold water, it can breed mosquitoes.

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 39 brought 0.25 inches of rain with temperatures averaging 59.0 degrees Fahrenheit.



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

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