

North Shore Mosquito Abatement District

Weekly Report

Surveillance Results For: 09/21/2019 - 09/27/2019
 Week Number: 39

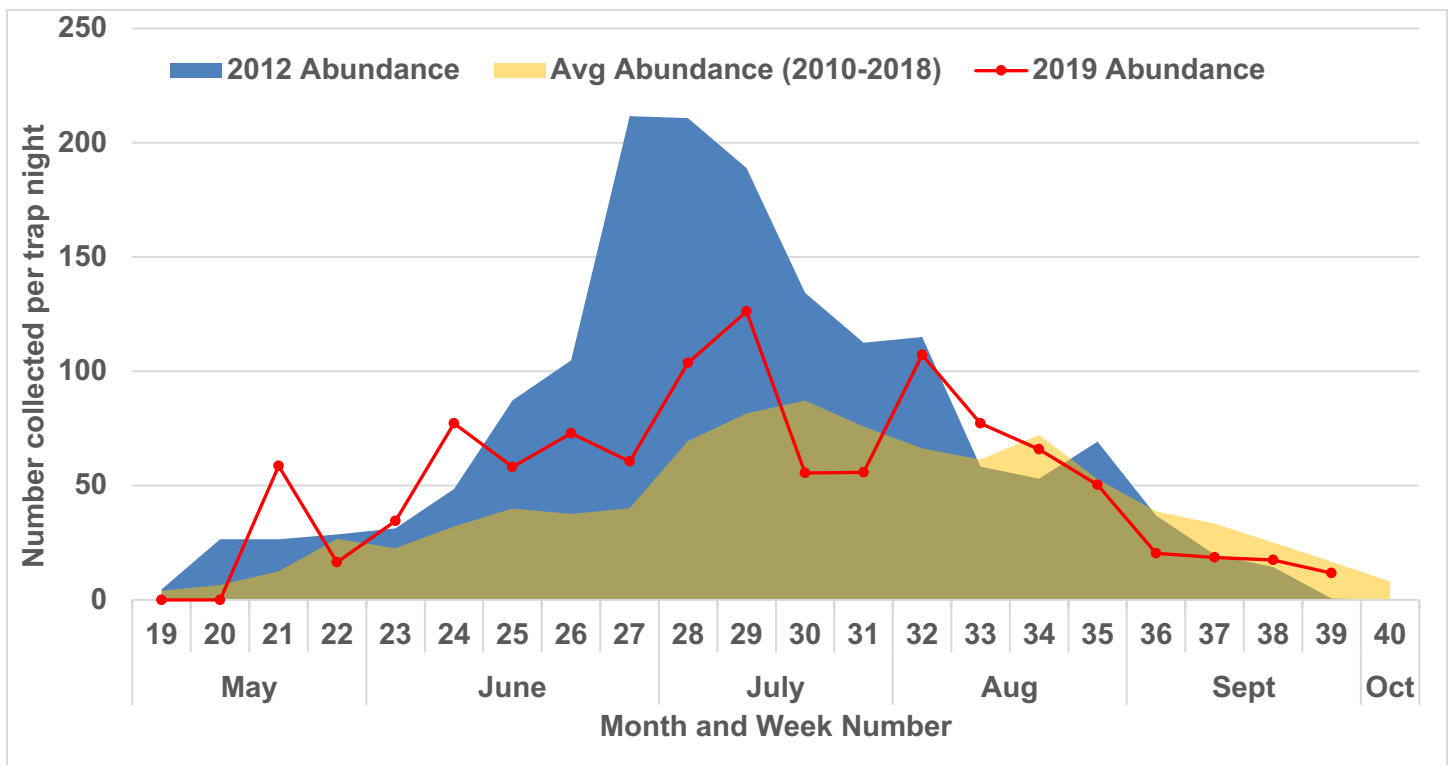
Date of Report: 10/03/2019

West Nile Virus Surveillance

WNV Risk Level: The risk of human infection is low. However, there is still a risk until the first hard frost. People are advised to **continue to take personal protection measures** including using repellent, proper attire and eliminating **standing water sources** where possible. This is the final week of WNV surveillance for the 2019 season.

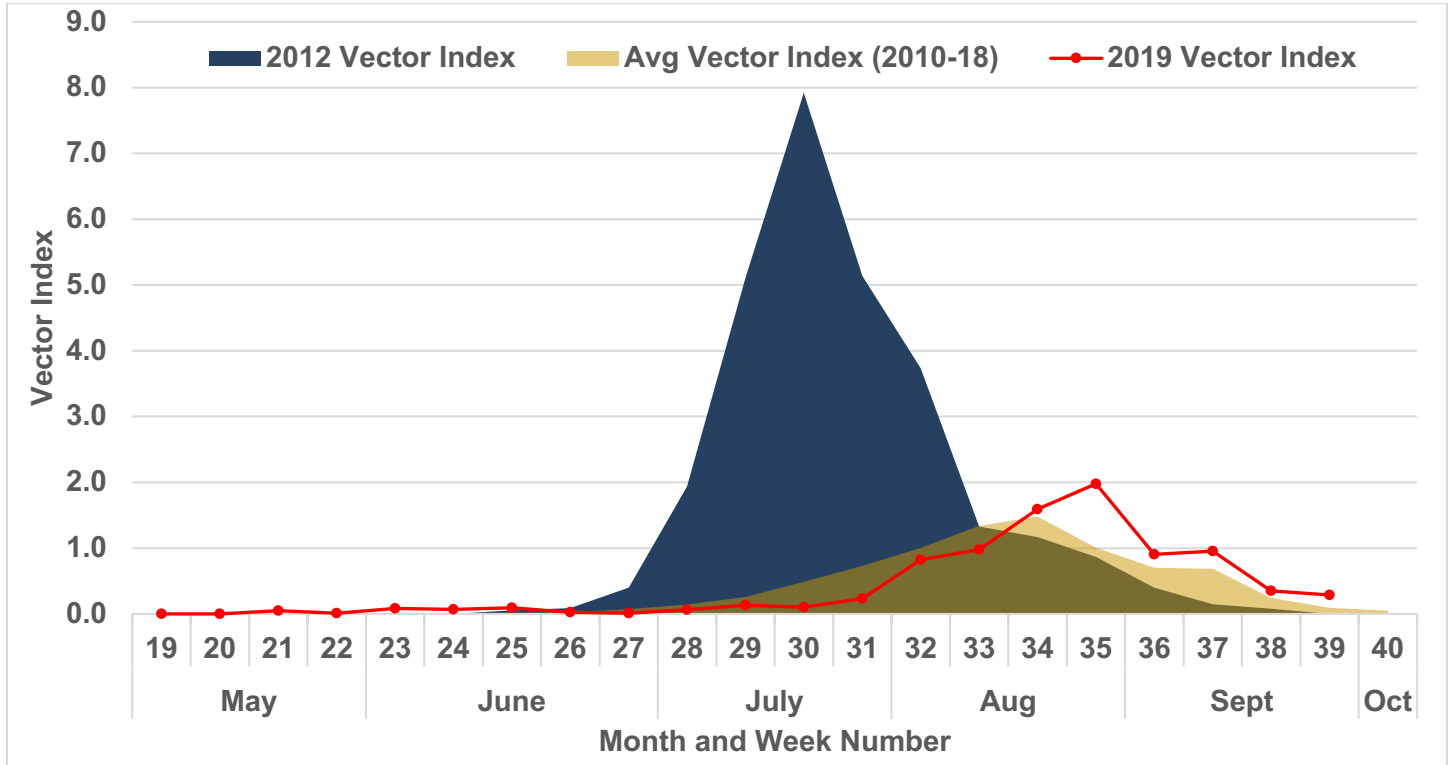
Municipality	Batches Tested This Week		Batches Tested Season Total	
	# WNV+	# Tested	# WNV+	# Tested
Evanston	4	14	99	495
Glencoe	0	2	10	120
Glenview/Golf	10	10	80	238
Kenilworth	0	2	11	82
Lincolnwood	1	3	6	98
Morton Grove	0	3	33	97
Niles	0	2	21	124
Northbrook	0	2	7	88
Northfield	0	1	7	82
Skokie	4	9	102	379
Wilmette	0	2	49	158
Winnetka	0	2	14	109
Total	19	52	439	2070

WNV Vector Abundance: *Culex* spp. mosquito abundance decreased during week 39 as indicated by our gravid trap collections.



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Vector Index: The vector index during week 39 decreased to 0.29. A vector index of one is associated with increased human risk.



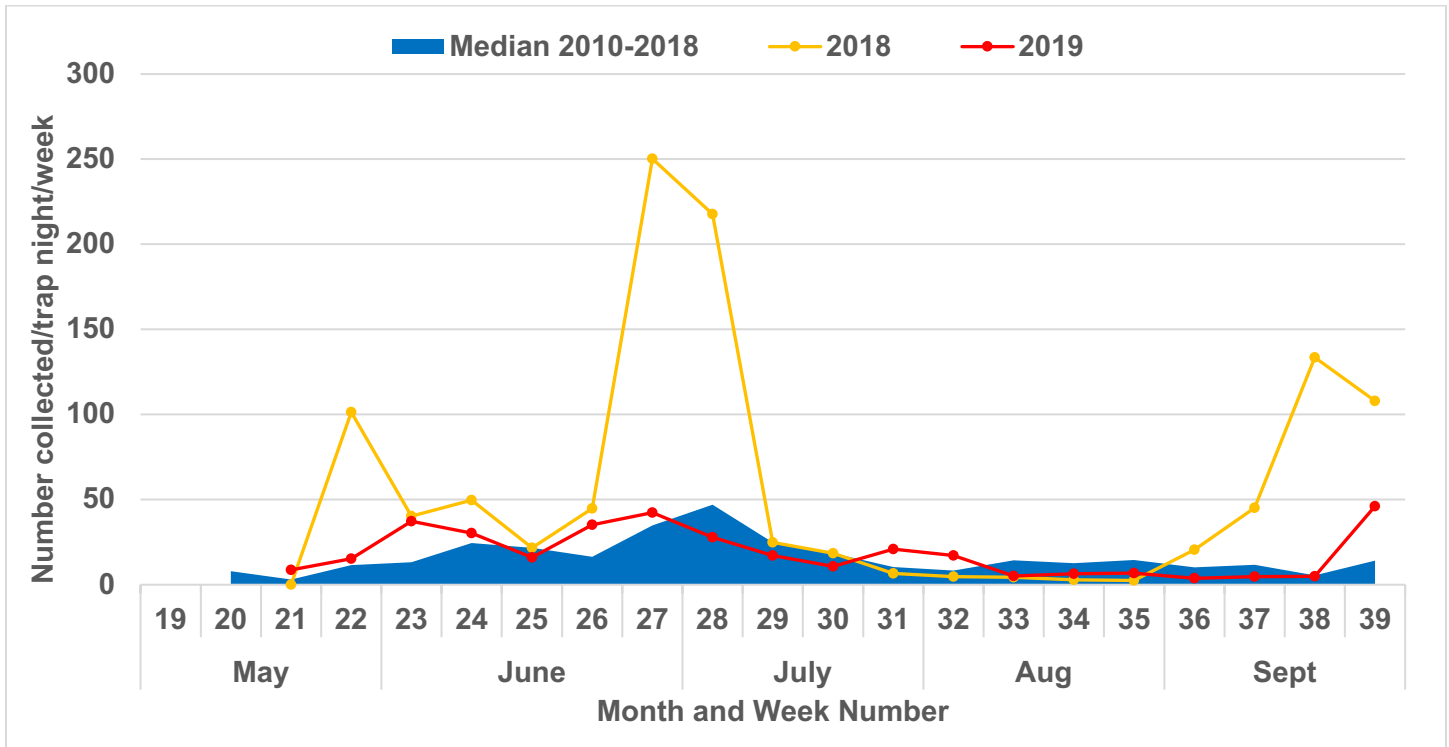
Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2018 and current year 2019.
 Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

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Nuisance Mosquito Surveillance

Surveillance Data: Collections from our New Jersey Light Traps during week 39 showed an increase in floodwater mosquito abundance (*Aedes* spp.). Heavy rains at the end of weeks 37 and 38 produced localized increases in nuisance/floodwater mosquitoes.

New Jersey Light Trap Collections



Human Surveillance

At the time of this report, the [Illinois Department of Public Health](#) is reporting 11 human cases of WNV, six of which are residents of Cook County, three in DuPage County, one in Kankakee County and one in Sangamon County.

Larval Control and Source Reduction

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

NSMAD staff is continuing to respond to floodwater and off-road sites as needed. Catch basin treatments have been completed for 2019 season.

Adult Mosquito Control Operations

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

Public Information

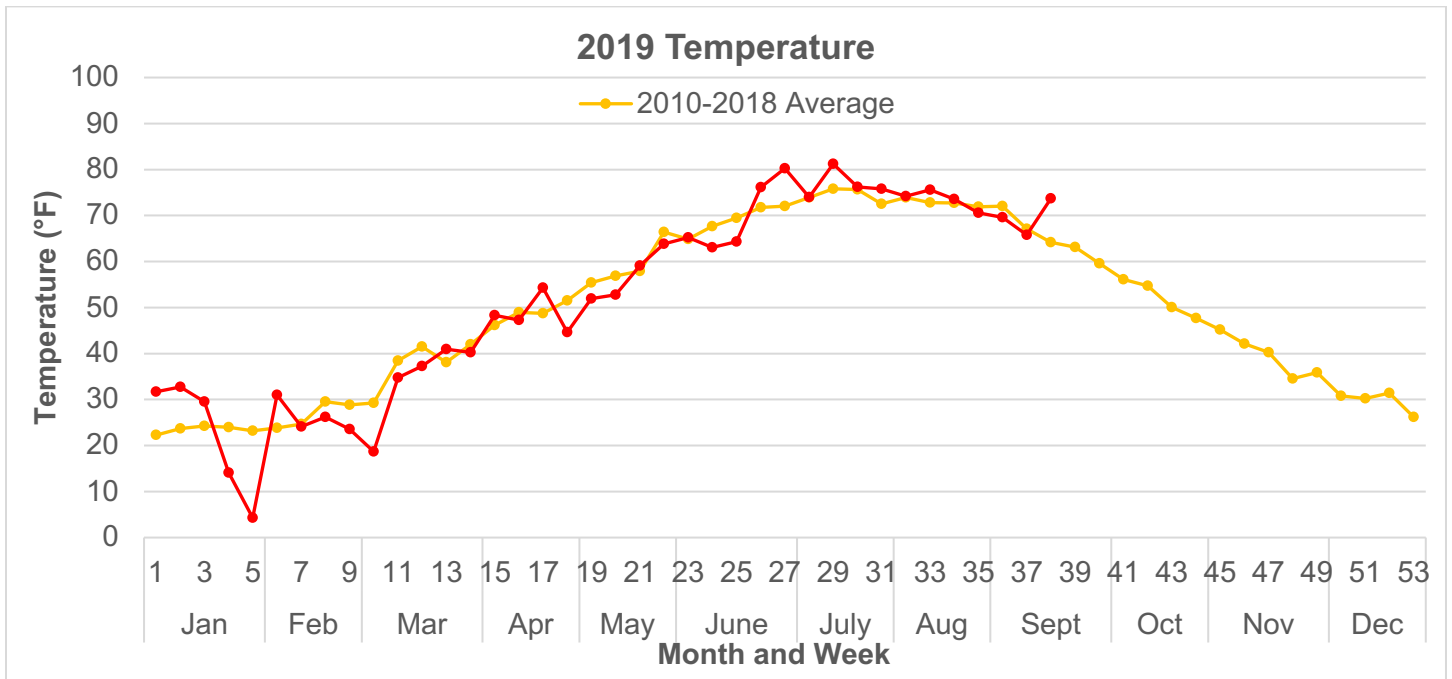
Please inspect your property for items that may contain stagnant water. If it can hold water, it can breed mosquitoes.

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.

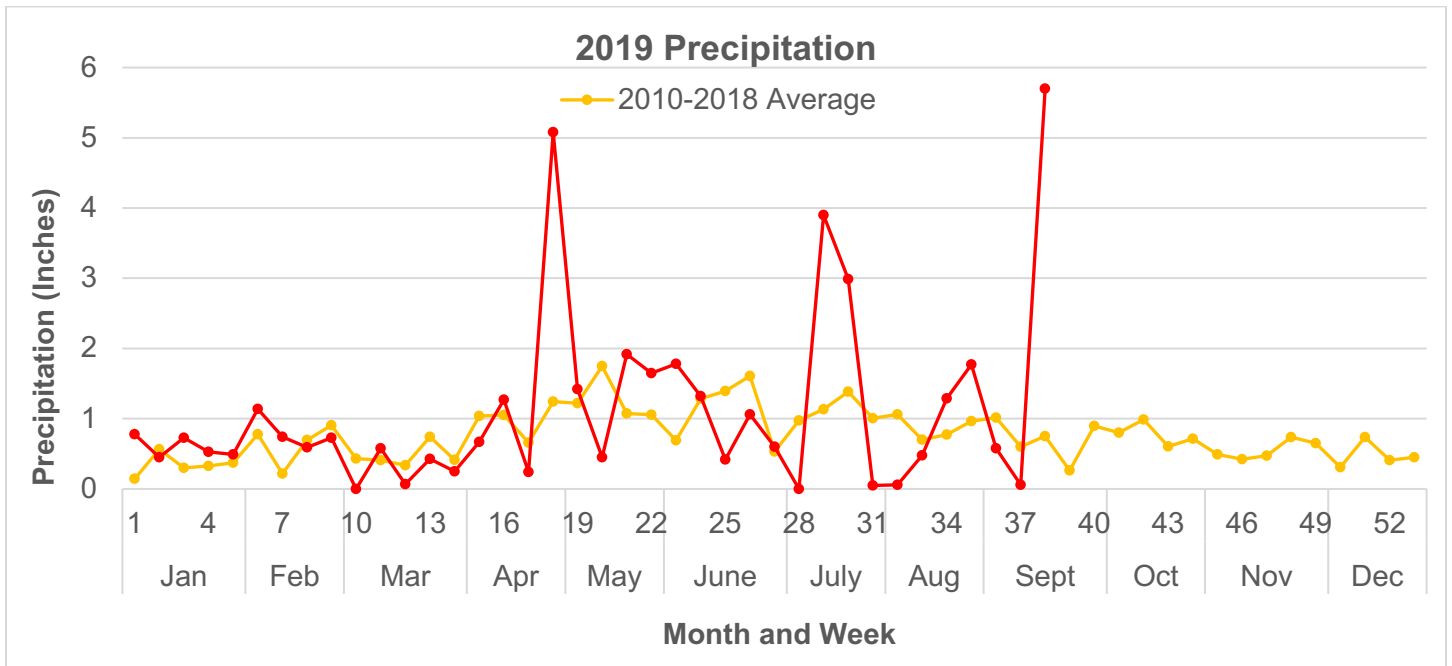
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Weather Monitoring

The graphs below show the total precipitation and average daily temperature for 2019, as well as, the historical average (2010-2018). Week 39 weather data was not available at the time of this report.



Source: NOAA Station: Chicago Palwaukee Airport, IL US GHCND: USW00004838



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