

North Shore Mosquito Abatement District

Weekly Report

Surveillance Results For: 07/10/2021 - 07/16/2021
 Week Number: 29

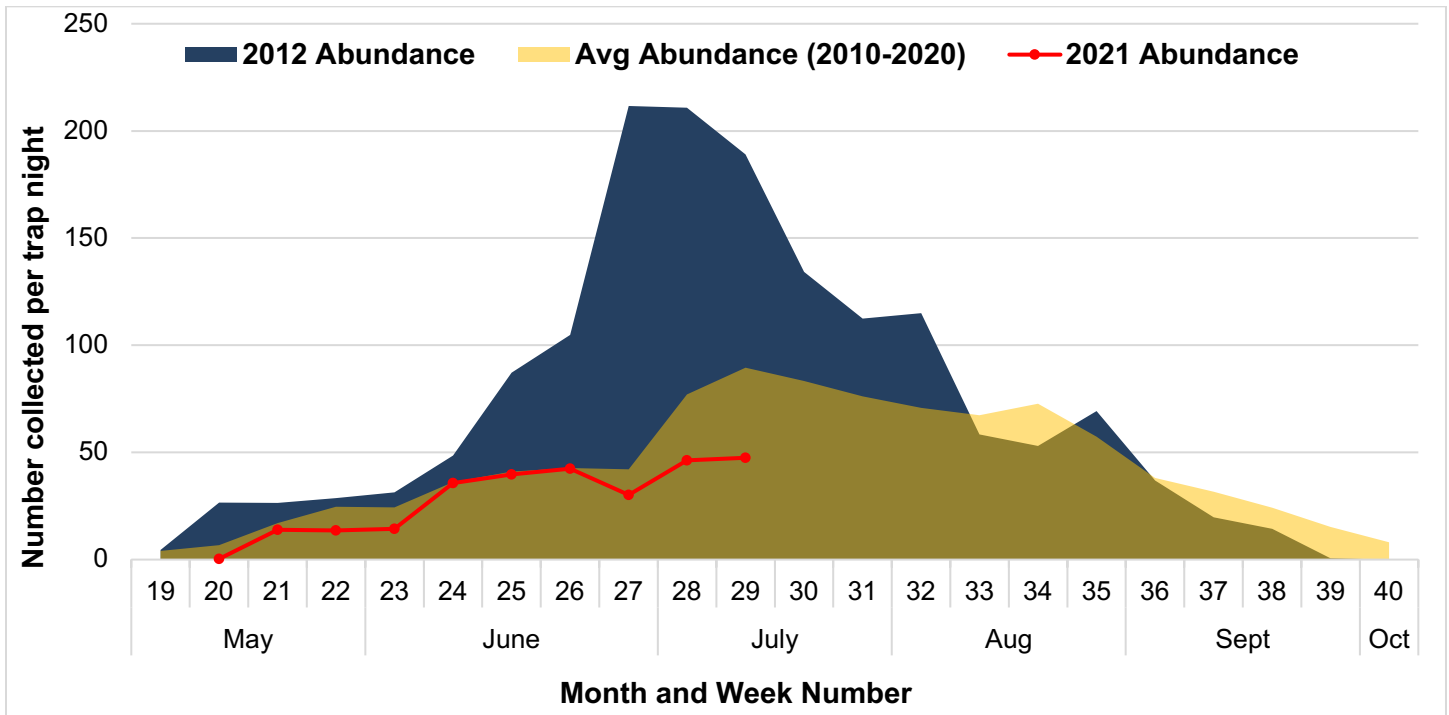
Date of Report: 07/21/2021

West Nile Virus Surveillance

WNV Risk Level: WNV positive Batches of mosquitoes were collected from our traps in Evanston Glenview, Kenilworth, Northfield and Wilmette during week 29. The **risk of infection is low**, people are advised to take personal protection measures including using an **EPA registered repellent**, wearing **proper attire** and **eliminating or draining items** that can hold **standing water around their property**.

Municipality	Batches Tested This Week		Batches Tested Season Total	
	# WNV+	# Tested	# WNV+	# Tested
Evanston	1	21	1	150
Glencoe	0	4	0	25
Glenview/Golf	1	8	1	55
Kenilworth	2	8	2	35
Lincolnwood	0	8	0	43
Morton Grove	0	8	0	39
Niles	0	7	0	41
Northbrook	0	6	0	33
Northfield	1	7	1	27
Skokie	2	30	3	139
Wilmette	1	4	1	38
Winnetka	0	3	0	15
Total	8	114	9	640

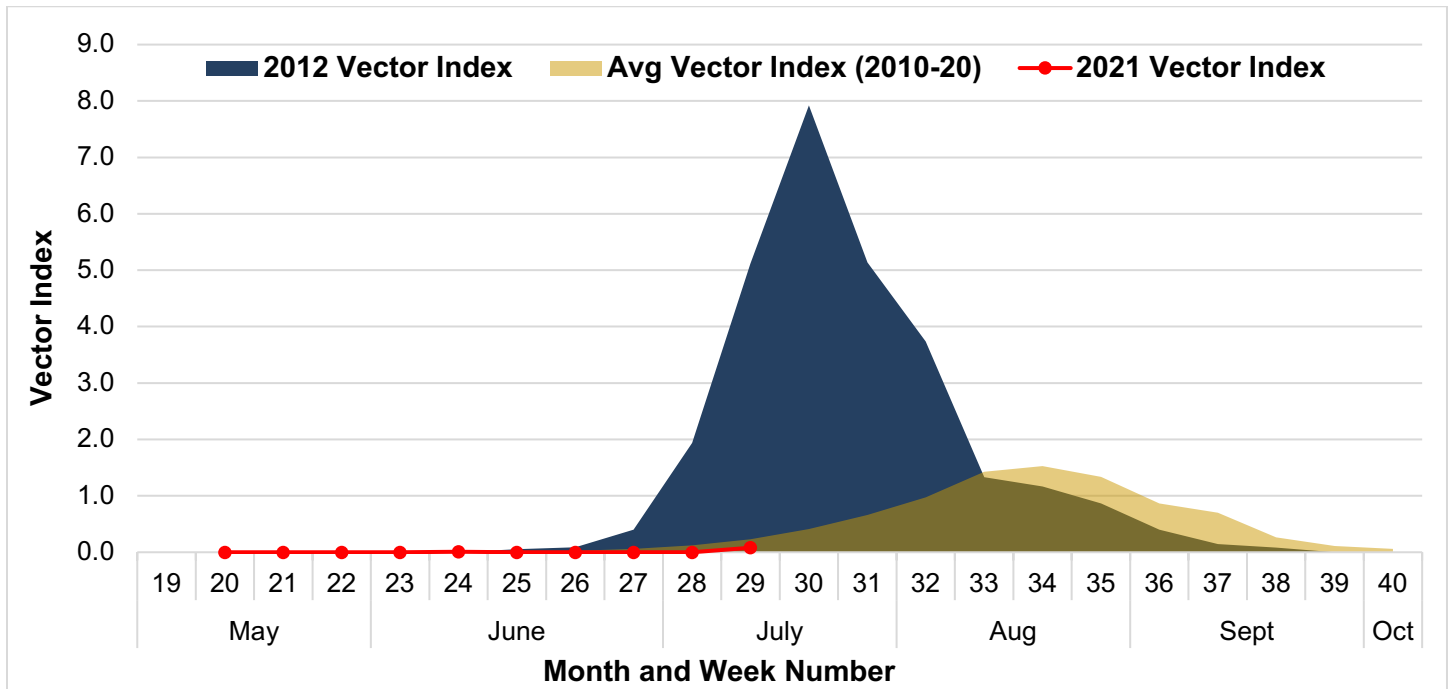
WNV Vector Abundance: Our traps indicated there was a slight increase in the abundance of *Culex* mosquitoes from week 28.



North Shore Mosquito Abatement District

Vector Index: The Vector Index (VI) is a measure of the number of infected *Culex* spp. mosquitoes in the District and is directly related to risk of human infection. Abundance and infection rate are used to calculate the Vector Index. We track the weekly Vector Index relative to prior epidemic and non-epidemic years shown in the graph below. **The NSMAD considers a VI of 0.00-1.00 low risk, a VI of 1.01-3.0 moderate risk, and a VI of 3.01 or greater to be high risk.**

The vector index for week 29 was 0.08 a decrease from 0.12 in week 28. The risk of infection is low.



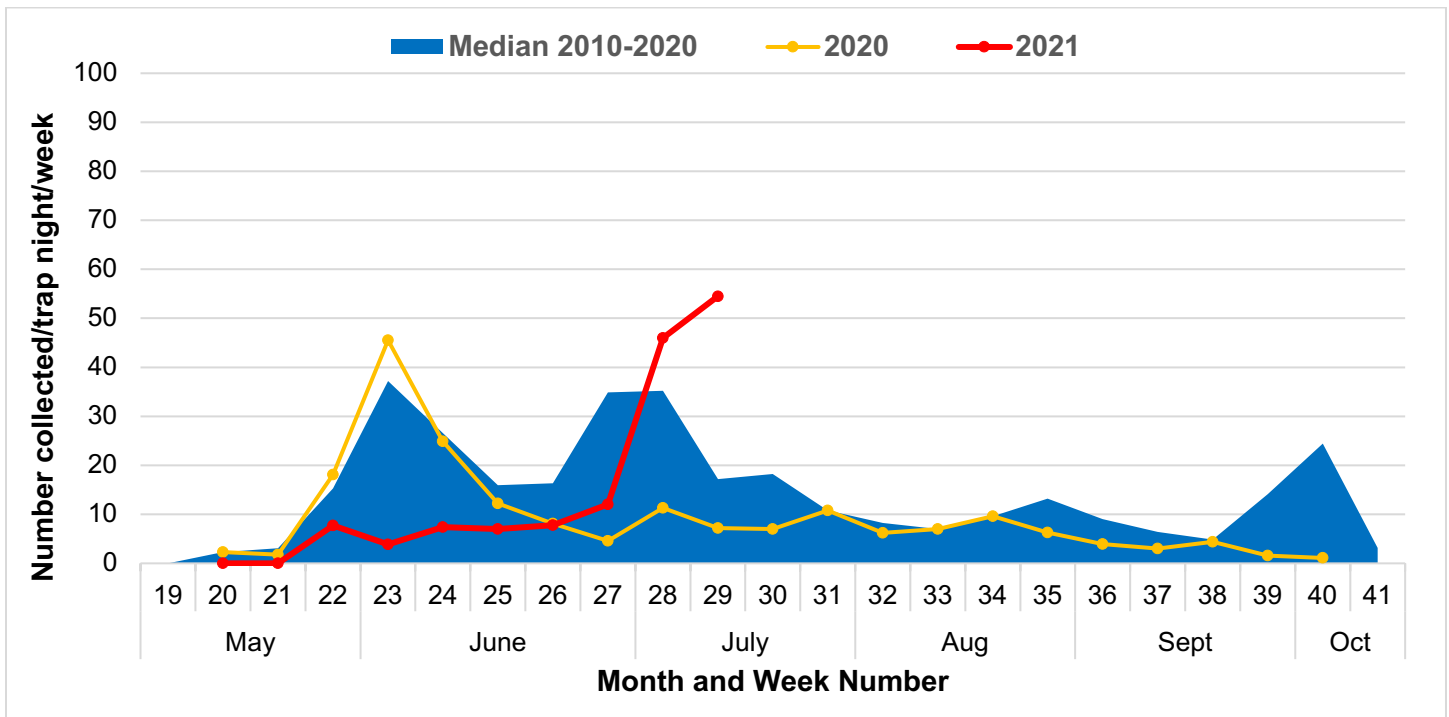
Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2019 and current year 2021.
 Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

North Shore Mosquito Abatement District

Nuisance Mosquito Surveillance

Surveillance Data: Out traps indicated an increase in nuisance mosquito abundance from week 28. The rainfall events at the end of June are the cause of the increase in nuisance/floodwater mosquitoes in the area. We expect these short-lived mosquitoes to decline in abundance during week 30.

New Jersey Light Trap Collections



Human Surveillance

No human cases of WNV have been reported in 2021 by the [Illinois Department of Public Health](#).

Larval Control and Source Reduction

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

Our field technicians have made numerous residential inspections, focusing on off-road and container breeding sites to minimize further emergence of nuisance and vector mosquitoes in our area. The second round of catch basin treatments is continuing.

Adult Mosquito Control Operations

There were no adult mosquito control operations during week 28. Please see our [website](#) for the most current information about adult mosquito control operations.

Public Information

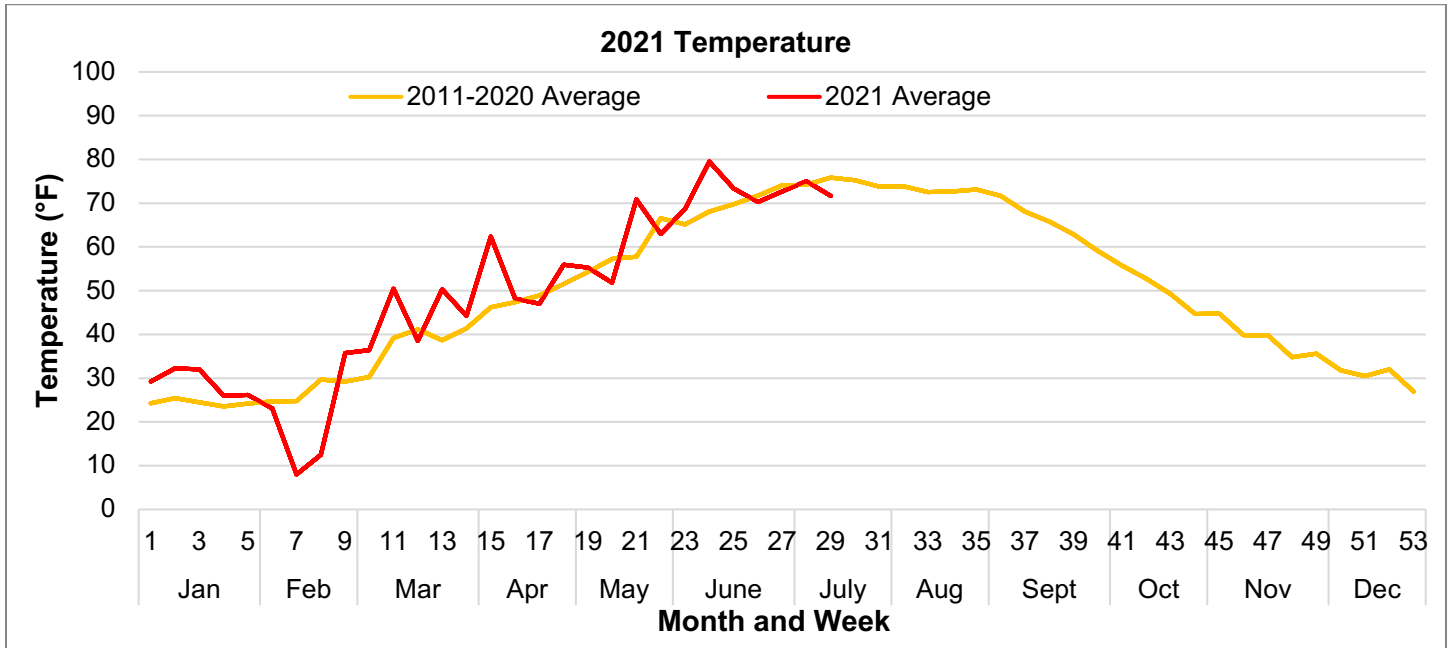
Please inspect your property for items that may contain stagnant water. If it can hold water, it can breed mosquitoes.

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.

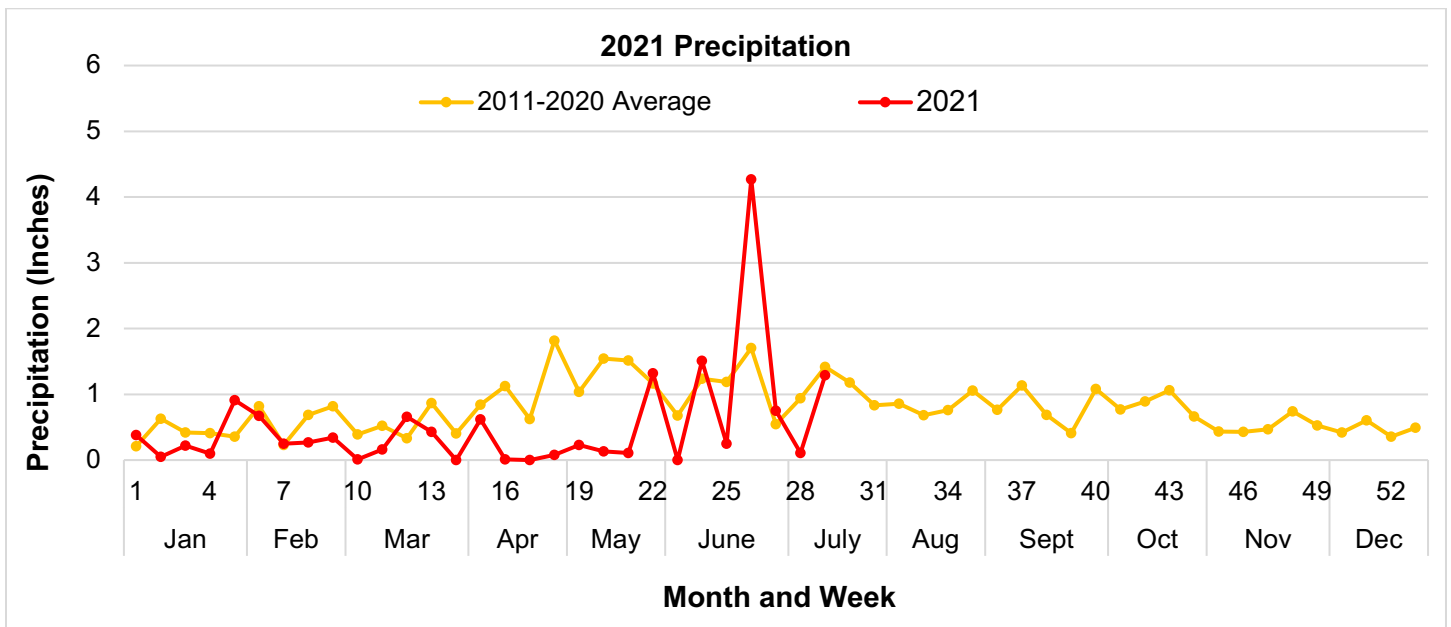
North Shore Mosquito Abatement District

Weather Monitoring

Weather monitoring is important due to the influence it has on mosquito populations. Above average temperatures during late winter and early spring are associated with increased West Nile Virus activity in the summer months. Heavy rainfall during the summer months may temporarily decrease *Culex* spp. populations, helping to lower WNV activity, but increasing the population of floodwater/nuisance species. We utilize weather data to help us make decisions on our control methods.



Source: NOAA Station: Chicago O'Hare Airport, IL US GHCND: USW00094846



Source: NOAA Station: Chicago O'Hare Airport, IL US GHCND: USW00094846

Dave Zazra
 Communications Manager
 dzazra@nsmad.com