

**NORTH SHORE MOSQUITO ABATEMENT DISTRICT
Weekly Report**

Surveillance Results For: 06/04/2017 - 06/10/2017
Week Number: 23

Date of Report: 06/14/2017

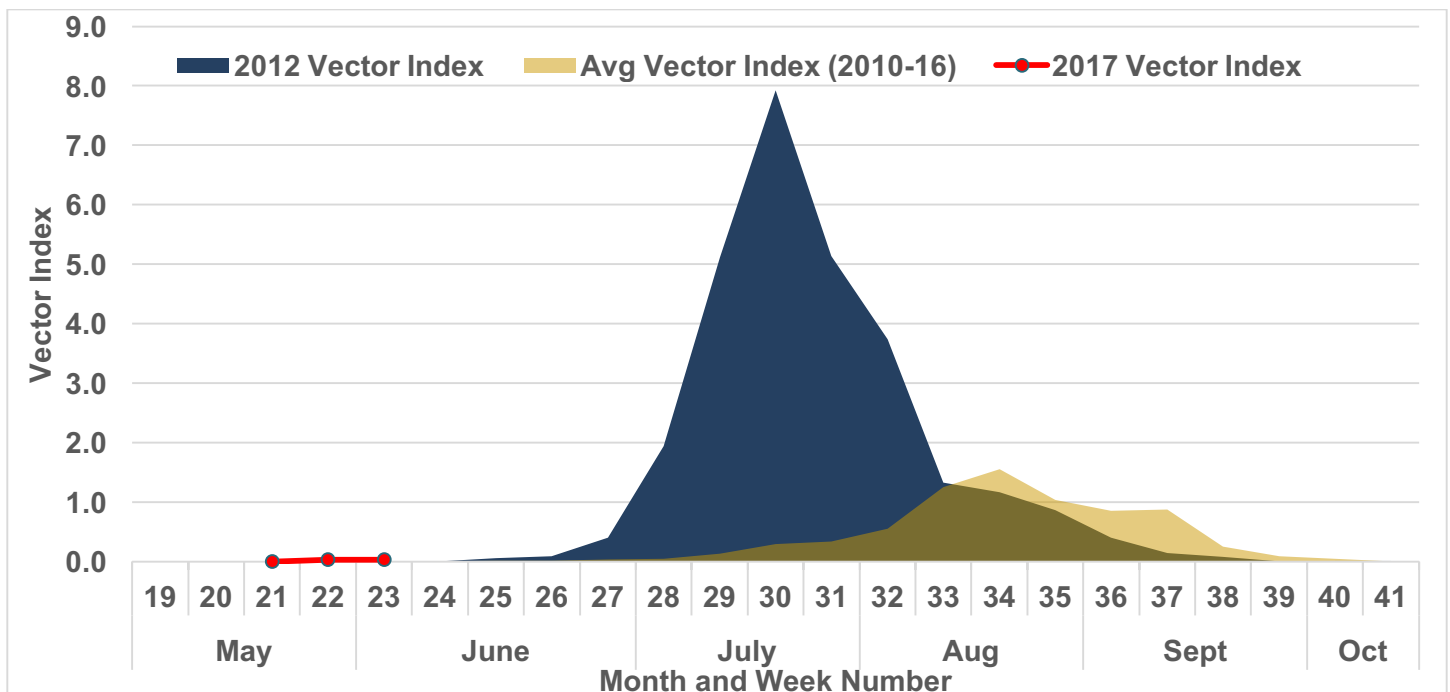
West Nile Virus Surveillance

WNV Risk Level: WNV positive mosquitoes were detected in collections from Evanston and Skokie during week 23. This is normal for this time of year. We expect WNV activity to increase over the next several weeks so residents should be advised to take precautions to avoid mosquito bites.

| Municipality | Batches Tested This Week | | Batches Tested Season Total | |
|---------------|--------------------------|-----------|-----------------------------|------------|
| | # WNV+ | # Tested | # WNV+ | # Tested |
| Evanston | 1 | 20 | 3 | 39 |
| Glencoe | 0 | 6 | 0 | 12 |
| Glenview/Golf | 0 | 1 | 0 | 6 |
| Kenilworth | 0 | 2 | 0 | 6 |
| Lincolnwood | 0 | 5 | 0 | 13 |
| Morton Grove | 0 | 3 | 1 | 8 |
| Niles | 0 | 2 | 0 | 6 |
| Northbrook | 0 | 1 | 0 | 4 |
| Northfield | 0 | 2 | 0 | 4 |
| Skokie | 2 | 13 | 2 | 26 |
| Wilmette | 0 | 3 | 0 | 6 |
| Winnetka | 0 | 6 | 0 | 8 |
| total | 3 | 64 | 6 | 138 |

WNV Vector Abundance and Infection Rate: *Culex pipiens* abundance increased slightly from last week but remains at approximately average levels for this time of year. The WNV infection rate was 1.1 infected mosquitoes/1000 tested during week 23, which is slightly above average for this time of year.

Vector Index: The Vector Index during week 23 was slightly above average for this time of year, but remains below levels of concern and indicates a relatively low risk of human infection.

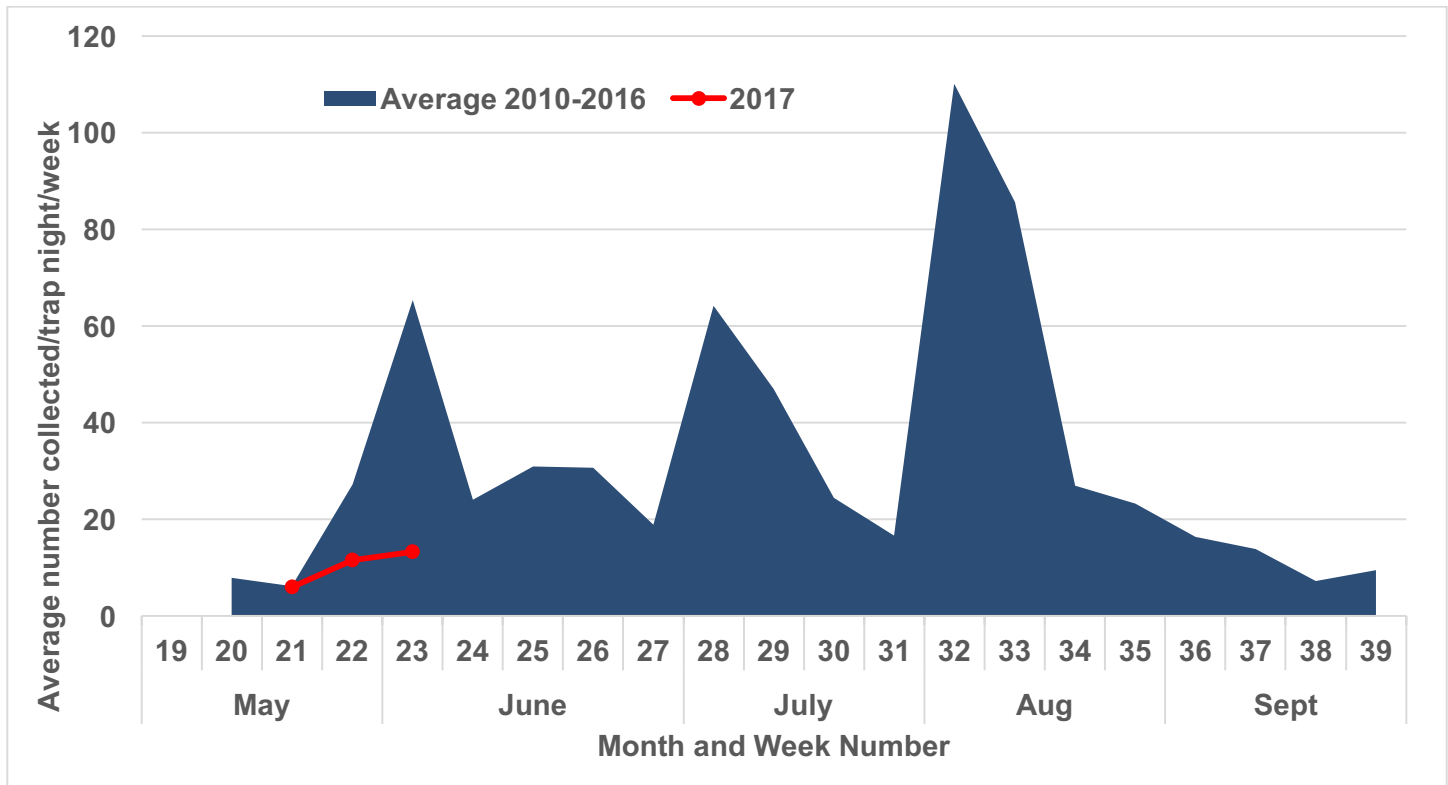


Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2016 and current year 2017.
Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

Nuisance Mosquito Surveillance

Surveillance Data: Nuisance mosquitoes remain at relatively low levels over much of the district, however higher abundance may occur in some localized areas due to the heavy rains that occurred earlier this Spring. Minimal rainfall amounts over the past week should result in a decrease in nuisance mosquitoes.

New Jersey Light Trap Collections



Aedes albopictus Information

No *Ae. albopictus* were found in BG Sentinel Traps deployed in the neighborhood where this species was first detected at the end of the 2016. We are continuing to trap in the area to determine if this population survived the winter season.

Human Surveillance

No human cases of WNV have been reported in 2017 by the [Illinois Department of Public Health](#).

Larval Control and Source Reduction

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

Treatments of catch basins on public roads and off-road sites are continuing. Monitoring and treatment of flooded woodland areas will occur as needed based on precipitation.

Adult Mosquito Control Operations

There were no adult mosquito control operations during Week 23. Please see our [website](#) for the most current information about adult control operations.

Public Information

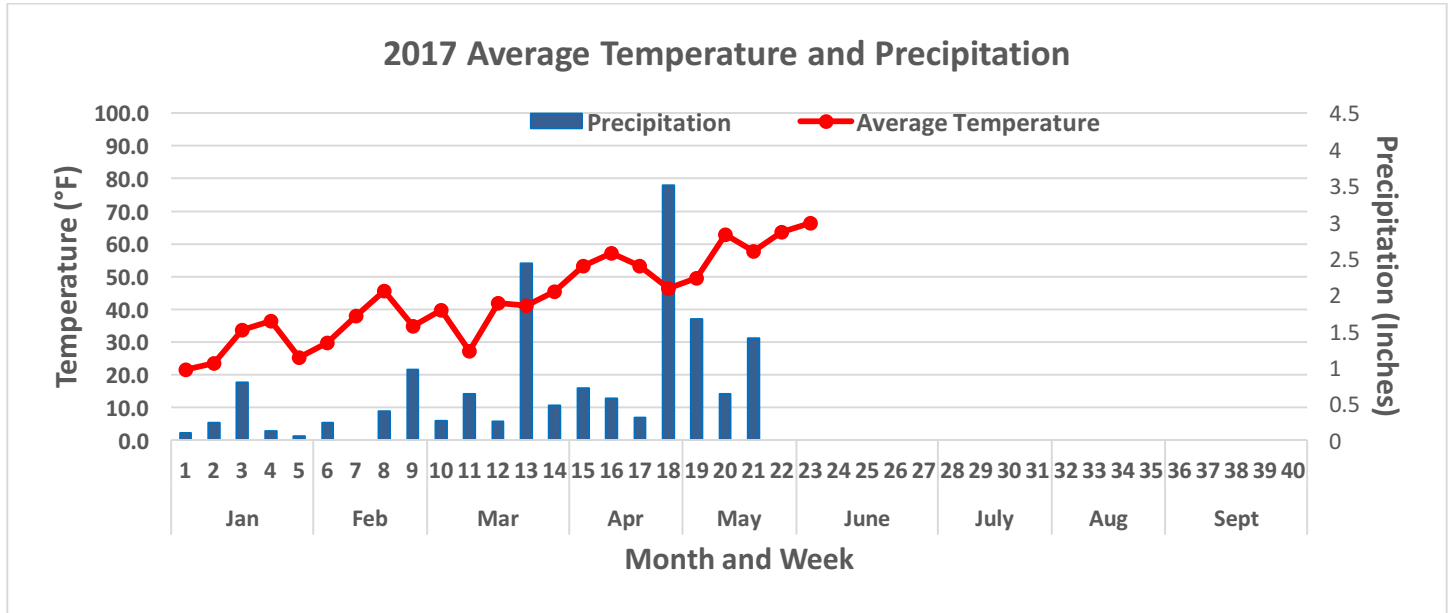
Inspect your property for items that may contain water and drain or discard them. If it can hold water, it can breed mosquitoes.

The NSMAD participated in Glenview Park District's Get-Out N'-Go event on June 4 and we presented information on mosquitoes to employees and volunteers of Chicago Botanic Garden on June 5.

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 the week.



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

The lack of rain over the past 2 weeks coupled with the increasing temperatures is reducing floodwater habitat for nuisance mosquitoes, but increasing production of *Culex pipiens* catch basins and permanent water sites. Larval control operations continue to target these habitats.

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