

**Environmental Committee**  
**September 25, 2023**  
**7:00 p.m. – City Hall**

1. Call to Order
2. Public Comment
3. Introduction
4. New/Business/Old Business
  - a. Elect Chairperson
5. Committee Items
  - a. Clarke Mosquito
  - b. LRS Refuse and Recycling Reports
6. Next Meeting
7. Adjournment

# City of Darien

TO: Environmental Committee Members

FROM: Lisa Klemm, Liaison Environmental Committee

DATE: September 20, 2023

RE: Chairperson

---

Please be advised that a new chairperson will be elected on Monday, September 25, 2023. According to City Code, a chairperson is elected for a two-year term.

**2-3-4: CHAIRMAN:**

A chairman, who shall be elected by the majority of committee members, shall serve a term of two (2) years.

# City of Darien

TO: Environmental Committee Members

FROM: Lisa Klemm, Liaison Environmental Committee

DATE: September 20, 2023

RE: Environmental Mosquito Management (EMM) Program

---

Attached is the status report from Clarke Mosquito. DuPage County reported that two DuPage county residents contracted West Nile (one in their 60s and one in their 70s) and both passed away.

DuPage County is encouraging residents to check the Personal Protection Index (PPI) on the Health Department's website for the most up-to-date information on WNV activity. The current PPI level will be increased from 1 to 2, which indicates high numbers of infected mosquitoes in most areas and at least one human WNV case. The recommended actions are Drain, Defend, Dress, and Dusk to Dawn. See attached.



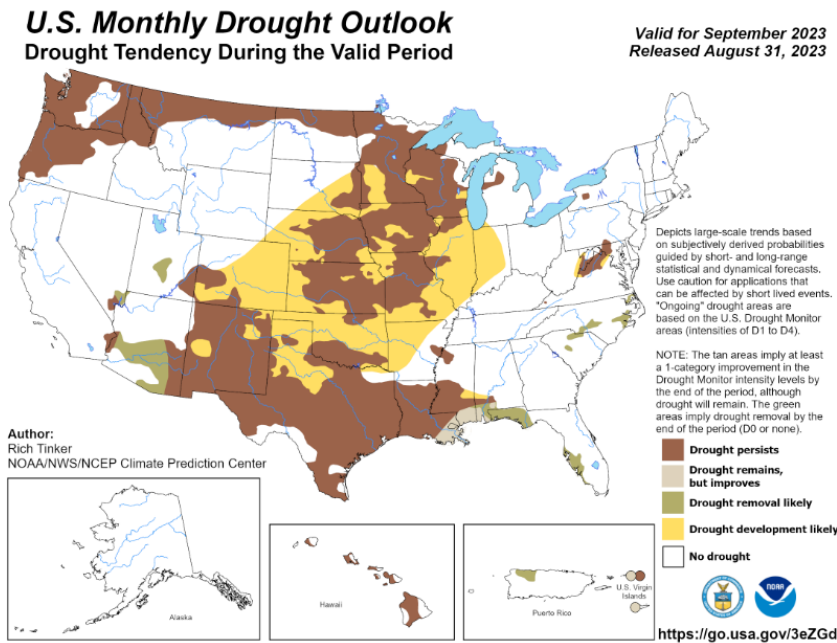
# City of Darien September 2023 - Status Report

## SEASON PERSPECTIVE

Introduction. Weather conditions critically affect the seasonal mosquito population. Excessive rainfall periods trigger hatches of floodwater mosquitoes (*Aedes vexans*), the dominant annoyance species in northern Illinois that has a flight range of 15 to 20 miles. The other target species is the northern house mosquito (*Culex pipiens*), the primary vector of West Nile virus (WNV) that flourishes under stagnant water and drought conditions.

### Drought conditions rebound in August as West Nile virus spikes.

After over 6 inches of rain in late June and July to improve soil moisture levels, persistent hot and dry August weather rebounded drought conditions. The following Drought Outlook map for September depicts the intensification of drought conditions in northern Illinois [monthly drought outlook](#):



As a result of 2023 drought conditions, the impact of predicted floodwater mosquito (*Aedes vexans*) broods and significant periods of mosquito annoyance was diminished.



By contrast, the Culex mosquito population thrived. WNV typically peaks in August and is expected to be a significant factor for the balance of the 2023 season. On August 23<sup>rd</sup>, the Illinois Department of Public Health issued the following news release:

**IDPH Reports First Illinois West Nile Virus Death of 2023**

News – Wednesday, August 23, 2023

[PRINT](#) [EMAIL](#)

**CHICAGO** – The Illinois Department of Public Health (IDPH) announced the first Illinois human West Nile virus (WNV)-related death in 2023. Testing by CDC confirmed the case was WNV-related. The individual, who was in their 90’s and lived in suburban Cook County, had an onset of symptoms of WNV in early August and died soon after. IDPH is also reporting 11 non-fatal cases of WNV confirmed to date this year.

Of the 12 human cases, seven were reported from Cook County, including two in Chicago. To date, Kane, Macon, Madison, Will and Woodford counties have each reported one human WNV case.

As of September 5<sup>th</sup>, the following chart summarizes the number of WNV-positive Culex mosquito samples in northern Illinois confirming the increase in WNV activity:

County	No. of WNV-positive Culex Samples
Boone	7
Cook	2,149
DuPage	121
Kane	24
Lake	115
McHenry	28
Will	53

Operations Plan. For the balance of the season, Clarke operations will focus on permanent water larval development habitats for the control of Culex. To protect public health, truck ULV adulticide applications will be recommended as warranted by surveillance data for WNV and annoyance levels per the following Centers for Disease Control & Prevention (CDC) strategy guidelines:

*“The objective of the adult mosquito control component of an IVM (Integrated Vector Management) program is to complement the larval management program by reducing the abundance of adult mosquitoes in an area, thereby reducing the number of eggs laid*



*in breeding sites. Adult mosquito control is also intended to reduce the abundance of biting, infected adult mosquitoes in order to prevent them from transmitting WNV to humans and to break the mosquito-bird transmission cycle.”* (West Nile Virus in the United States: Guidelines for Surveillance, Prevention, and Control. Page 35. June 2013); [wnvGuidelines.pdf \(cdc.gov\)](#)

## **Floodwater Mosquito Brood Prediction – DuPage Airport**

The floodwater mosquito (*Aedes vexans*) is the key nuisance species in the Chicagoland area. Floodwater mosquito population hatches, or broods, are triggered by significant rainfall events. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from weather stations in your area.

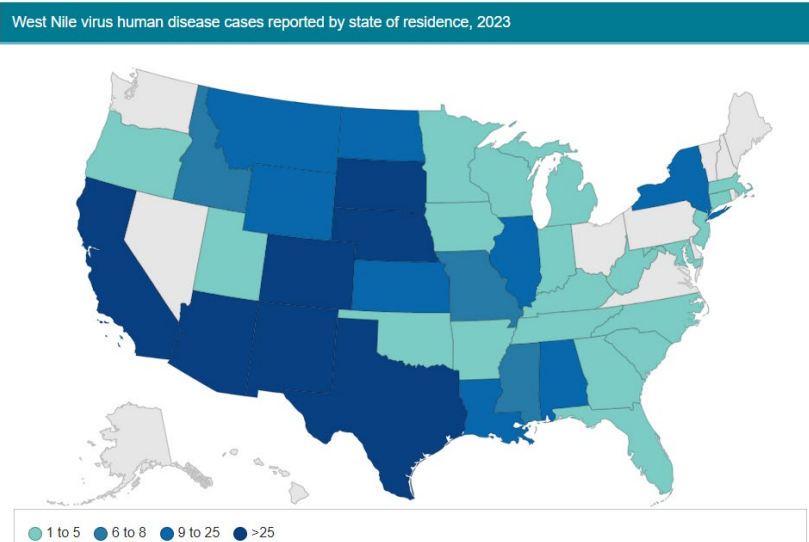
<b>Weather Station Name</b>	<b>Rain Date</b>	<b>Rain Amount</b>	<b>Brood Prediction Date</b>
DuPage Co. Airport	6/24	0.83	7/11
DuPage Co. Airport	7/02	0.41	7/16
DuPage Co. Airport	7/05	1.00	7/19
DuPage Co. Airport	7/11	1.36	7/29
DuPage Co. Airport	7/12	0.48	7/29
DuPage Co. Airport	7/14	1.33	7/30
DuPage Co. Airport	7/22	1.03	8/5
DuPage Co. Airport	7/27	0.66	8/10
DuPage Co. Airport	7/28	2.51	8/11
DuPage Co. Airport	8/14	0.75	8/28



## MOSQUITO-BORNE DISEASE UPDATE

### West Nile Virus (WNV)

**2023 – USA.** As of August 29<sup>th</sup>, five hundred fifty-two (552) USA human WNV cases have been reported to the CDC in the following thirty-eight states as shown on the following map:



Colorado has the most diagnosed cases of 101.

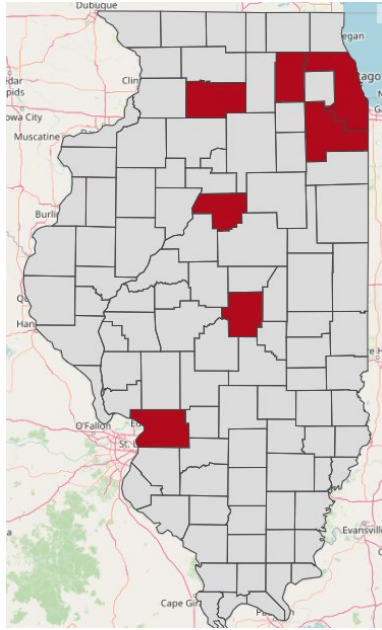
**2023 – Illinois.** To date, the Illinois Department of Public Health has reported 2,034 WNV-positive mosquito samples (14.9% positive) of the 13,675 samples tested from 44 counties. Twenty-five birds have tested positive for WNV this year. Eighteen (18) WNV human cases including 1 fatality have been officially reported in Illinois so far this year.


West Nile Virus Activity Comparison and Summary (as of August 31, 2023)

	Number Collected in all Counties	# WNV Positives	% WNV Positives
<b>2023 Data as of August 31</b>			
2023 Mosquito Surveillance Samples	12,751	2,511	19.7%
2023 Bird Surveillance Samples	133	25	18.8%
2023 WNV Positive Counties	53		
2023 Human Cases as of August 31	18		
<b>2022 Historical Data as of August 31 for Comparison</b>			
2022 Mosquito Surveillance Samples	13,581	1,942	14.3%
2022 Bird Surveillance Samples	151	12	7.9%
2022 WNV Positive Counties	36		
2022 Total Human Cases	34		
<b>2012 Historical Data as of August 31 for Comparison</b>			
2012 Mosquito Surveillance Samples	16,147	4,425	27.4%
2012 Bird Surveillance Samples	514	104	20.2%
2012 WNV Positive Counties	45		
2012 Total Human Cases	290		



As of August 31<sup>st</sup>, the following map shows the counties with WNV human cases:





## News Release

111 N. County Farm Rd., Wheaton, IL 60187

**September 1, 2023**  
**For Immediate Release**

**First 2023 Human Case of  
West Nile Virus Reported in DuPage County**

**DuPage County** - The DuPage County Health Department (DCHD) is reporting the first human case of West Nile virus (WNV) in DuPage County in 2023. A Woodridge resident in their 60s became ill in August.

**Media Inquiries:**  
(630) 221-7374  
media@dupagehealth.org

**DuPage County Board of Health**  
Sam Tornatore, J.D.  
President

**2023 – DuPage County Surveillance Data & Personal Protection Index – August 19, 2023**

	Risk Level*	Definitions	Recommended Actions
<b>2023</b>			
<b>DUPAGE COUNTY WEST NILE VIRUS SURVEILLANCE DATA 2023</b>			
	<b>YTD 2023</b>	<b>WEEK: 35</b>	
		<b>8/27 - 9/2</b>	
<b>Mosquitoes Tested</b>	25,908	1,247	
<b>WNV Total Tests</b>	737	41	
<b>WNV Positive Tests</b>	127	27	
<b>Positive Mosquito Pool Rate %</b>	17%	66%	
<b>Reported Human Cases onset</b>	1	--	
<b>Communities with Human WNV Cases</b>	Woodridge	--	
<b>Personal Protection Index</b>	Risk Level >>>	2	

Risk Level*	Definitions	Recommended Actions
<b>0</b> NONE	Off season, mosquitoes not active, climate not favorable for Culex species.	None required
<b>1</b> LOW	Localized abundance of active mosquitoes, climate conditions favorable for development of virus.	Drain, Defend
<b>2</b> MODERATE	High numbers of infected mosquitoes in most areas, at least one confirmed human case.	Drain, Defend, Dawn & Dusk
<b>3</b> HIGH	Multiple confirmed human cases in DuPage County.	Drain, Defend, Dawn & Dusk, Dress

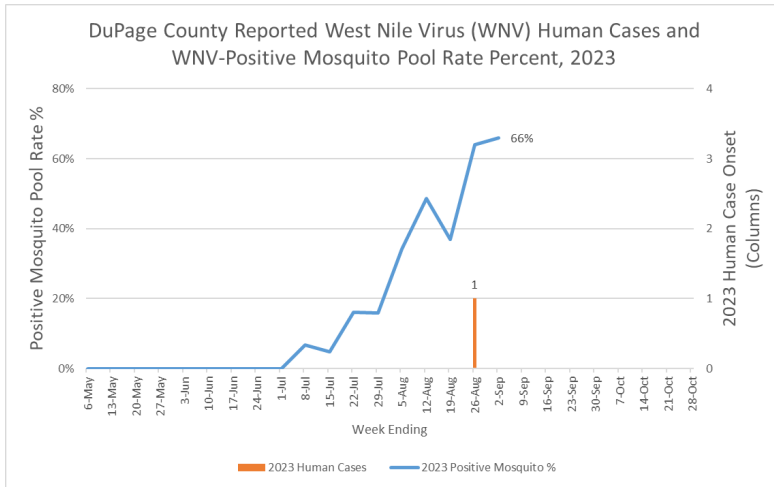
DuPage County surveillance, testing, and analysis of Culex mosquitoes for West Nile virus is a collaboration of the following agencies:

- DuPage County Information Technology Department, GIS Division
- City of Naperville
- Clarke Environmental Mosquito Management, Inc.
- Forest Preserve District of DuPage County
- Illinois Department of Public Health
- DuPage County Health Department Public Health Center and Health Promotions Staff





The following chart shows the DuPage County spike in WNV of positive *Culex* samples in August and first human case confirmed in Woodridge:



## OPERATIONS UPDATE

### Services Performed – August & Early September 2023:

Service Item	Completion Date(s)
Targeted Site Larval Insp Serv	08/07/2023
Natular G30 BP Prehatch	08/15/2023
NatularG30 Helicopter Prehatch	08/20/2023
Natular G 5#/Acre Hand	08/25/2023
Complete Site Larval Insp Serv	08/25/2023

### Upcoming September 2023 Operations

Work Type	Number of Treatments
Culex Site Inspection Service	3
Natular Backpack Larviciding	1

111 N. County Farm Rd., Wheaton, IL 60187

## Media Inquiries:

(630) 221-7374  
media@dupagehealth.org

## DuPage County Board of Health

Sam Tornatore, J.D.  
President

Lanny Wilson, M.D.  
Vice President

Lawrence J. Schouten, M.D.  
Secretary/Treasurer

Douglas Chang, D.D.S  
Paula Deacon-Garcia  
Melinda Finch

Saba Haider  
Margaret Harrell

Nadeem N. Hussain, M.D.  
Uzma Muneer, D.O.

W. Daniel Perez, M.D.  
Adam Forker, M.P.H.  
Executive Director

Established in 1945, DuPage County Health Department promotes physical and emotional health; prevents illness injury and disability; protects health from environmental risk factors, and strives to assure the provision of accessible, quality service.

September 1, 2023

## For Immediate Release

### First 2023 Human Case of West Nile Virus Reported in DuPage County

**DuPage County** - The DuPage County Health Department (DCHD) is reporting the first human case of West Nile virus (WNV) in DuPage County in 2023. A Woodridge resident in their 60s became ill in August.

WNV is transmitted to people by infected mosquitos. Approximately one in five people who are infected with WNV will develop symptoms such as fever, headache, body aches, joint pains, vomiting, diarrhea, or rash. Less than one percent will develop a serious neurologic illness such as encephalitis or meningitis (inflammation of the brain or surrounding tissues).

With a continued rise in recent weeks in mosquito batches testing positive for the presence of WNV, DCHD is asking residents to stay safe outdoors by protecting themselves from mosquito bites and the risk of contracting WNV.

The best way to prevent WNV is to avoid mosquito bites and follow the four Ds of defense.

- **Drain:** Drain those items that collect standing water around your home, yard, or business. Scrub and refill pet water dishes and bird baths regularly.
- **Defend:** Use an insect repellent containing DEET when outdoors and reapply according to directions.
- **Dress:** Wear long pants, long sleeves, and closed-toe shoes when outside to cover the skin.
- **Dusk to Dawn:** Wear repellent outdoors during these prime times for mosquito activity.

Residents are encouraged to check the Personal Protection Index (PPI) on the Health Department's [website](#) for the most up-to-date information on WNV activity.

The current PPI level will be increased from 1 to 2, which indicates high numbers of infected mosquitoes in most areas and at least one human WNV case. The recommended actions are Drain, Defend, Dress, and Dusk to Dawn.

-MORE-

The PPI widget will be updated by 3:00 p.m. every Wednesday throughout the WNV season. These weekly updates will be determined by the Health Department's vector-borne disease surveillance experts.

WNV activity generally decreases in the fall when cooler temperatures arrive and especially after the first frost of the season. Additional information and resources on WNV prevention are available at [www.cdc.gov/westnile/index.html](http://www.cdc.gov/westnile/index.html) and <https://dph.illinois.gov/topics-services/diseases-and-conditions/west-nile-virus.html>.

###

# City of Darien

TO: Environmental Committee Members

FROM: Lisa Klemm, Liaison Environmental Committee

DATE: September 20, 2023

RE: LRS Report and Electronic Waste Event

---

Attached is the year to date report from LRS which breaks down the collection statistics by month. The report is broken-down by collection category. In comparison, a copy of the 2022 report is also included.

Additionally, the City will be providing an electronic waste event the week of October 16, 2023. Residents will be receiving a postcard from LRS to register for the event. Copy attached.



# CITY OF DARIEN

## MONTHLY RESIDENTIAL TRACKING REPORT

### COLLECTION STATISTICS

	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	YTD total
Total number of homes	7341	7381	7378	7369	7376	7372	7374	7373					
Total number of enrolled in Senior Program	2200	2195	2196	2190	2181	2188	2187	2172					
Total number of Yard Waste containers	591	591	592	594	601	609	607	613					
Waste Tons	450.76	388.84	424.06	397.86	576.85	519.24	545.26	556.54					3859.41
Recycling Tons	180.42	138.43	163.64	156.67	258.79	206.21	217.73	234.19					1556.08
Organics Tons	6.3	0	0	52.85	117.75	62.53	105.19	33.79					378.41
Total Tons	637.48	527.27	587.7	607.38	953.39	787.98	868.18	824.52					5793.9
Waste cubic yards	9015.2	7776.8	8481.2	7,957.20	11,537.00	10,384.80	10,905.20	11,130.80					77188.2
Organics Cubic yards	25.2	0	0	211.40	471.00	250.12	420.00	211.19					1588.91
E-waste Tons	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
E-waste Processing Facility	E-WORKS- ELK GROVE VILLAGE												
Recyclables & Organics Diversion % 2023	29.29%	26.25%	27.84%	34%	39%	34%	37%	33%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

WASTE PROCESSING FACILITY  
 RECYCLING PROCESSING FACILITY  
 YARD WASTE PROCESSING FACILITY

HEARTLAND 6201 Canal Bank Rd, Forest View, IL 60402  
 HEARTLAND 6201 Canal Bank Rd, Forest View, IL 60402  
 HEARTLAND 6201 Canal Bank Rd, Forest View, IL 60402



# CITY OF DARIEN

## MONTHLY RESIDENTIAL TRACKING REPORT

### COLLECTION STATISTICS

	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	YTD total
<b>Total number of homes</b>	7565	7565	7430	7431	7408					
<b>Total number of enrolled in Senior Program</b>	1960	1969	2122	2134	2146					
<b>Total number of Yard Waste containers</b>	569	575	584	588	596					
<b>Waste Tons</b>	458.83	520.60	544.76	480.36	499.04					2503.59
<b>Recycling Tons</b>	176.08	185.62	191.80	201.21	201.11					955.82
<b>Organics Tons</b>	62.40	182.33	164.34	63.07	132.95					605.09
<b>Total Tons</b>	697.31	888.55	900.90	744.64	833.10					4064.5
<b>Waste cubic yards</b>	9,176.60	10,412.00	10,895.20	9,607.20	9,980.80					50071.8
<b>Organics Cubic yards</b>	249.60	729.32	657.36	252.28	531.80					2420.36
<b>E-waste Tons</b>	NA	10.33	NA	NA	NA	EVENT				
<b>E-waste Processing Facility</b>	E-WORKS- ELK GROVE VILLAGE									
<b>Recyclables &amp; Organics Diversion % 2022</b>	34%	41%	40%	35%	40%					

WASTE PROCESSING FACILITY  
 RECYCLING PROCESSING FACILITY  
 YARD WASTE PROCESSING FACILITY

HEARTLAND 6201 Canal Bank Rd, Forest View, IL 60402  
 HEARTLAND 6201 Canal Bank Rd, Forest View, IL 60402  
 HEARTLAND 6201 Canal Bank Rd, Forest View, IL 60402



OCTOBER  
2023

# ELECTRONIC WASTE HOME COLLECTION EVENT

OCTOBER 16-20, 2023

## SUBMIT REQUEST

- Requests are required for pick-up
- Online: [LRSrecycles.com/Darien](https://www.lrsrecycles.com/Darien)
- Call Customer Service: **844.633.3577**



## DARIEN COLLECTION REQUIREMENTS

- Submit a request online or contact LRS
- Electronics must be placed curbside by 6 AM
- Seven (7) item limit
- Limit of two (total) TV's and/or Computer Monitor(s)
- Tube TV's may not exceed 40" (inches) or 100 pounds
- Flat Screen TV's may not exceed 60" (inches) or 100 pounds
- Only **ACCEPTED ELECTRONIC ITEMS** collected (see reverse)

**REQUESTS MUST BE SUBMITTED BY  
6:00 PM ON WEDNESDAY, OCTOBER 11, 2023**

**ACCEPTED ELECTRONIC ITEMS LISTED ON OTHER SIDE**

## LRS ACCEPTED ELECTRONIC ITEMS

**Cable Receivers**

**Cellular Phones**

**Computers** (desktop, laptop,  
notebook, tablet)

**Digital Converter**

**Boxes**

**DVD Player**

**DVD Recorder**

**Electronic Keyboards**

**Computer Mouse**

**Fax Machines**

**MP3 Player**

**Printers**

**Satellite Receivers**

**Scanners**

**Small Scale Servers**

**TV's and Monitors**

**VCR's**

**Video Game Consoles**

**LRS**  
**5500 Pearl Street**  
**Rosemont, IL 60018**

PRSR.T. STD.  
U.S. POSTAGE

**PAID**

Skokie, IL  
Permit No. 245



## PLACING SMALL ELECTRONICS OUT FOR PICK-UP

- Place small electronics in paper bag or cardboard box
- Mark E-WASTE in large letters on bag or box

**REQUESTS MUST BE SUBMITTED BY**  
**6:00 PM ON WEDNESDAY, OCTOBER 11, 2023**

**VISIT OUR WEBPAGE**  
**[LRSRECYCLES.COM/DARIEN](https://lrsrecycles.com/darien)**  
**TO LEARN MORE ABOUT THE PROGRAM**