



**Winnetka Environmental and Forestry Commission
Notice of Regular Meeting
September 14, 2016**

The Winnetka Environmental and Forestry Commission will convene on Wednesday, September 14, 2016 in the **Council Room at the Village Hall, 510 Green Bay, Winnetka, Illinois**, at 7:00 p.m.

Agenda

Call to Order

- | | |
|--|-------------------|
| 1) Introduction & Chair's Remarks | Presenter Dowding |
| 2) Review and Summary of Minutes | |
| a. Adoption of Regular Meeting Minutes (August 10, 2016) | Presenter Dowding |
| 3) Logic Lawn Care Presentation | Steve Neumann |
| 4) New Business, Old Business/Updates | |
| a. Discussion on phosphorus-based fertilizer ban | Presenter Dowding |
| b. Residential Property Stormwater Improvements & Implementation (BMP's) | Presenter Dowding |
| c. Sustainability Award | Presenter Havlik |
| d. Commercial Recycling Information for Winnetka Businesses | Presenter Dowding |
| 5) Committee/Staff Reports | |
| a. North Shore Mosquito Abatement District (NSMAD) Update | Presenter Havlik |
| 6) Open Forum | |
| 7) Public Comment | |
| 8) Adjournment | |

Posted Time and Date

NOTICE

All agenda materials are available at villageofwinnetka.org (**Government > Council Information > Agenda Packets & Minutes**); the **Reference Desk at the Winnetka Library**; or in the **Manager's Office at Village Hall (2nd floor)**.

The Village of Winnetka, in compliance with the Americans with Disabilities Act, requests that all persons with disabilities who require certain accommodations to allow them to observe and/or participate in this meeting or have questions about the accessibility of the meeting or facilities, contact the Village ADA Coordinator – Megan Pierce, at 510 Green Bay Road, Winnetka, Illinois 60093, 847-716-3543; T.D.D. 847-501-6041.

WINNETKA ENVIRONMENTAL AND FORESTRY COMMISSION
REGULAR MEETING
MINUTES
August 10, 2016

A record of a legally convened meeting of the Environmental and Forestry Commission of the Village of Winnetka, which was held in the Village Hall Council Chambers, 510 Green Bay Rd., Winnetka, Illinois, Wednesday, August 10, 2016, at 7:00 pm.

Call to Order: Chairperson Dowding called the meeting to order at 7:00 p.m.; voting Members present: Chairperson Chuck Dowding, Mike Nielsen, Rosann Park-Jones, David Varca and Chris Foley. Voting Members absent: Caryn Rosen Adelman and Jim Wilson. A quorum of presently appointed members was present. Ex-officio Members present: None. Village Council Representative Absent: Penny Lanphier. Student Representative: None. Also present Public Works Analyst, Matt Havlik. No members of the public were present.

- 1) Introduction & Chair's remarks: Chairperson Dowding welcomed all Commission members.
- 2) Review and Summary of Minutes: Adoption of the July 13, 2016 regular meeting minutes. Chairperson Dowding asked for approval of the July 13, 2016 regular meeting minutes. Commissioner David Varca moved to approve the minutes and Commissioner Mike Nielsen seconded. By voice vote, the motion carried.
- 3) New Business, Old Business/Updates:
 - a) Discussion of Phosphorus-based Fertilizer Ban: Chairperson Dowding began by summarizing the discussion from the July meeting regarding a phosphorus-based fertilizer ban in the Village. Chairperson Dowding stated he received clarification of the initiative from Village staff. Matt Havlik provided a draft phosphorus ban to Commission members as a starting point for development of the ordinance. Matt Havlik reminded the Commission that they are to focus on developing an ordinance relating to phosphorus in fertilizers and not so much on pesticides and herbicides. Matt also reminded the Commission that the Libertyville and Gurnee phosphorus ordinances are good examples to follow.

The group further discussed the draft and different aspects to include such as penalties, enforcement and environmental aspects. The Commission discussed it may be helpful to contact Libertyville and Gurnee to find out more about their ordinance development and enforcement. Commissioner David Varca volunteered to give both communities a call to find out more including reasons why they implemented the ban, enforcement and experience thus far. Matt Havlik agreed to provide contact information to Commissioner David Varca. The Commission finished the phosphorus discussion by talking about the

similarities and differences to the coal tar ban implementation regarding enforcement and monitoring commercial applicators. Commissioner Rosann Park-Jones and Chairperson Dowding agreed that looking into EPA recommendations for phosphorus use may be helpful.

- b) Logic Lawn Care Scheduling: Jim Wilson was to report on this topic but was unable to attend the meeting. Chairperson Dowding mentioned Steve Neumann of Logic Lawn Care has agreed to attend the September meeting to discuss industry fertilizer application to aid in the development of the Village's phosphorus ban.
- c) Residential Property Stormwater Improvements & Implementation (BMPs): The Commission as a whole discussed the development of a residential stormwater best management practices (BMP) guide. The Commission talked about various BMPs and projects that homeowners may be interested in doing. The Commission stressed the importance of communicating why different BMPs are important as well as information on how residents can incorporate them into their own yards. Commissioner Mike Nielsen shared some research he did about bioswale effectiveness in Cuyahoga County, Ohio. Commissioner Nielsen continued by explaining the effectiveness of bioswales in cleaning stormwater and removing chemicals in runoff. Commissioner Nielsen also explained the potential challenges of constructing a bioswale as well as the importance of native vegetation that goes along with it.

Chairperson Dowding mentioned the how a Village demonstration of how bioswales work may be helpful in educating residents. Commissioner Rosann Park Jones discussed information she gathered about Lake Oswego, Oregon and their bioswale effectiveness. The Commission briefly discussed the importance of residential-level BMPs is the cleaning of stormwater discharge. Matt Havlik agreed to begin drafting a guide for discussion at the September meeting.

Commissioner Mike Nielsen left the meeting at 7:47 p.m.

- d) Sustainability Award: Chairperson Dowding introduced the topic and gave a background on the proposed development of sustainability/green awards within the Village. Matt Havlik handed out a draft application he developed to the Commission with different categories and guidelines for applicants. The Commission discussed potential categories of awards and guidelines for applicants as well as including businesses along with residential properties. Matt Havlik discussed examples of community sustainability awards in Golden and Longwood, Colorado. Commissioner Rosann Park-Jones mention the idea of a stormwater BMP tour in Winnetka for residents to see different award winners similar to what the Landmark Preservation Commission does. The Commission

discussed more suggestions to include on the application to discuss at the next meeting. Matt Havlik to send a copy of draft application to Commission members for suggestions at the next meeting.

- e) Commercial Recycling Information for Winnetka Businesses: Chairperson Dowding discussed the lack of communication between to businesses in the Village's commercial districts regarding recycling and locations of dumpsters. The Commission discussed the need for the Village and Lakeshore Recycling Systems to communicate recycling information to new businesses. The group discussed ways to provide recycling information to businesses. Chairperson Dowding has been in contact with the Chamber of Commerce to gather recycling information from businesses and is waiting on approval from the Village to send out questions.

4) Committee/Staff Reports:

- a) North Shore Mosquito Abatement District Update: As a follow up from the July meeting, Matt Havlik updated the Commission on activities of the North Shore Mosquito Abatement District. Matt Havlik mentioned the District has been spraying Winnetka and surrounding areas weekly and have found a few cases of West Nile in the area. The Commission also discussed ideas of requiring insect removal companies to obtain a license through the Village.

5) Open Forum: None.

6) Public Comment: None.

- 7) Adjournment: There being no further business, Chairperson Dowding asked for a motion to adjourn which was moved by Commissioner Chris Foley and seconded by Commissioner Rosann Park-Jones. Having the motion passed, the meeting adjourned at 8:45 p.m.

Chapter _____
PHOSPHORUS FERTILIZER BAN

1. **INTRODUCTION.** The Environmental and Forestry Commission of the Village of Winnetka recommends the Village consider an ordinance controlling the use of fertilizer containing phosphorus within Village limits. Phosphorus in fertilizer is a major element of stormwater runoff that pollutes surrounding watersheds.
2. **DEFINITIONS.** For the purposes of this chapter, the following words and phrases shall have the following meanings:
 - a. **Commercial Applicator.** A person who is engaged in the business of applying fertilizer for hire.
 - b. **Non-Commercial Applicator.** A person who applies fertilizer but who is not a Commercial Applicator.
 - c. **Fertilizer.** A substance containing nitrogen, phosphorus or any other recognized plant nutrient or compound which is used primarily for its plant nutrient content.
3. **PROHIBITION.** No commercial or non-commercial applicator, including homeowners and renters, shall apply to any area within the Village any fertilizer, whether liquid, granular, or solid, which contains any amount of phosphorus or other compound containing phosphorus, such as phosphate, except:
 - a. The naturally occurring phosphorus in unadulterated natural or organic fertilizing products such as yard waste or compost; or
 - b. As otherwise provided in Section 5 of this Ordinance.
4. **IMPERVIOUS SURFACES, DRAINAGE WAYS, AND BUFFER ZONES.** No commercial or non-commercial applicator shall apply any fertilizer to:
 - a. Impervious surfaces
 - b. Areas within drainage ditches
 - c. Waterways or within twenty (20) feet thereof;
 - d. And delineated wetland and any area established as a natural buffer zone therefore.
5. **EXEMPTIONS.** The following are exemptions to the prohibitions in this article.

- a. The ordinance against the use of fertilizer containing phosphorus shall not apply to turf and lawn areas for which soil tests confirm the phosphorus content is below median phosphorus levels for typical area soils.
- b. The ordinance against the use of fertilizer containing phosphorus shall not apply to flower beds and vegetable gardens.

6. SIGNAGE REQUIRED.

- a. Any entity which sells any fertilizer within Village limits shall be required to post a sign or signs containing the following verbiage:

“THE VILLAGE OF WINNETKA PROHIBITS THE APPLICATION OF FERTILIZER CONTAINING PHOSPHORUS TO ANY LAWN OR TURF AREA.”

- b. Such sign or signs shall be clearly readable and shall be posted within 10 feet of where the fertilizer is located.

7. ENFORCEMENT

- a. The provisions of this ordinance shall be enforced by the Director of Public Works, or other Village officer charged with enforcement or Village ordinances.

This Ordinance is passed by the Council of the Village of Winnetka in the exercise of its home rule powers pursuant to Section 6 of Article VII of the Illinois Constitution of 1970.

This Ordinance shall take effect immediately upon its passage, approval, and posting as provided by law.

PASSED this ____ day of _____, 2016, pursuant to the following roll call vote:

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED this ____ day of _____, 2016.

Signed:

Village President

Countersigned:

Village Clerk

Published by authority of the
President and Board of Trustees
of the Village of Winnetka,
Illinois, this ____ day of _____,
2016.

Introduced: July, 2016

Passed and Approved: _____, 2016

Submitted to State of Illinois for posting: _____, 2016



WINNETKA ENVIRONMENTAL AND FORESTRY COMMISSION

Chuck Dowding, *Chairperson*
 Caryn Rosen Adelman
 Jim Wilson
 Rosann Park-Jones
 David Varca
 Chris Foley
 Mike Nielsen
 Penny Lanphier



GREEN AWARD NOMINATION

Green Awards were developed by the Village's Environmental and Forestry Commission to recognize properties and households within Winnetka that demonstrate exceptional commitment to sustainable and environmentally friendly practices within the Village of Winnetka.

Please complete the following information to nominate a property within Winnetka for a Green Award:

Property Address: _____

Owner: _____

Owner's Phone and E-mail: _____

1. **Award Category** (check one):

- Green Building:** Projects completed on or directly impacting a building such as LEED Certification, solar panels, geothermal heating, use of sustainable or recycled building materials, and use of Energy Star products.
- Recycling/Waste Reduction:** Projects that substantially reduce waste or use of recycled material. Such projects may include use of a composter or reusing recycled materials.
- Land:** Projects that utilize or restore existing land such as native landscape planting.
- Air:** Projects that reduce greenhouse gas emissions.
- Water/Stormwater:** Projects that filter stormwater runoff or store stormwater on property such bioswales, rain gardens or rain barrels.

Energy: Projects that reduce energy output such as increasing efficiency or utilizing renewable energy.

Innovation/Other: All other projects that do not fit into an above category.

2. **Property Type** (check one):

- Private
- Commercial
- Public

3. **Brief Description of the Project and Benefits** (use extra pages if needed): _____

4. **Approximate Date of Project Completion:** _____

5. **Name, Address, Phone Number and Email of Nominator:** _____

6. **Photos Enclosed**

7. **Signature of Nominator:** _____

8. **Signature of Property Owner:** _____

Please contact Matt Havlik with any questions at (847) 716-3550 or mhavlik@winnetka.org

Please send this form with photos attached and other documentation to:

Matt Havlik
Public Works Analyst
1390 Willow Road
Winnetka, IL 60093

Guidelines:

- You can nominate your own property or as many projects as you like, as long as you get the owner's signature.
- The project must have been completed within the past 5 years.
- Commercial, public or private properties are eligible.
- All applications are reviewed and awarded by members of the Environmental and Forestry Commission.
- Deadline for application is the December 31st. Awards are announced on April 22nd (Earth Day).

Award Criteria:

Applications will be evaluated by the Village of Winnetka Environmental and Forestry Commission based on how well the projects or initiatives meet the following criteria:

- Positive Impact - The project must have a meaningful and demonstrable impact in Winnetka by helping protect the environment or enhance the quality of life for residents.
- Embraces Innovation/Creativity - The project should reflect a new concept, technology, or practice in Winnetka and should employ new ideas in the industry.
- Overcomes Challenges - The project should explain what challenges were overcome.
- Transferable - The project should be able to be replicated by others in similar situations.
- Demonstrates Initiative - The project should reflect how the individual or group took action to move sustainability forward in their position or community.

Commercial Recycling Summary

September 12, 2016

- The Village began picking up commercial recycling in-house in December of 2010.
- Commercial recycling was initiated through interest from public, residents and businesses prior to 2010. Residents and businesses pushed for commercial recycling after seeing other communities implementing it.
- The Village made the initial investment of buying dumpsters and maintaining them. 20 locations were selected to begin a trial period in 2010 and that number has increased to over 60 locations in 2016. Sizes, quantities and pick-up days of dumpsters have changed to accommodate needs of businesses at different locations.
- The initial locations of the first 20 dumpsters were chosen based on convenience and proximity to businesses. Dumpsters were placed where each business could have access.
- Up until January of 2016, Village refuse employees would haul the recycled material to Groot's recycling plant in Elmhurst for a reimbursement on \$6/ton, totaling about 300 tons/year. The Village did not dump at the Solid Waste Agency of Northern Cook County (SWANCC) because SWANCC did not provide any reimbursement.
- Beginning February of 2016, the Village switched its recycling provider to Lakeshore Recycling Services (LRS) whom completes commercial recycling pick-up and provides a rebate of \$7.50/ton. LRS uses their own trucks and employees and brings the Village's recycled material to their recycling center in Chicago.



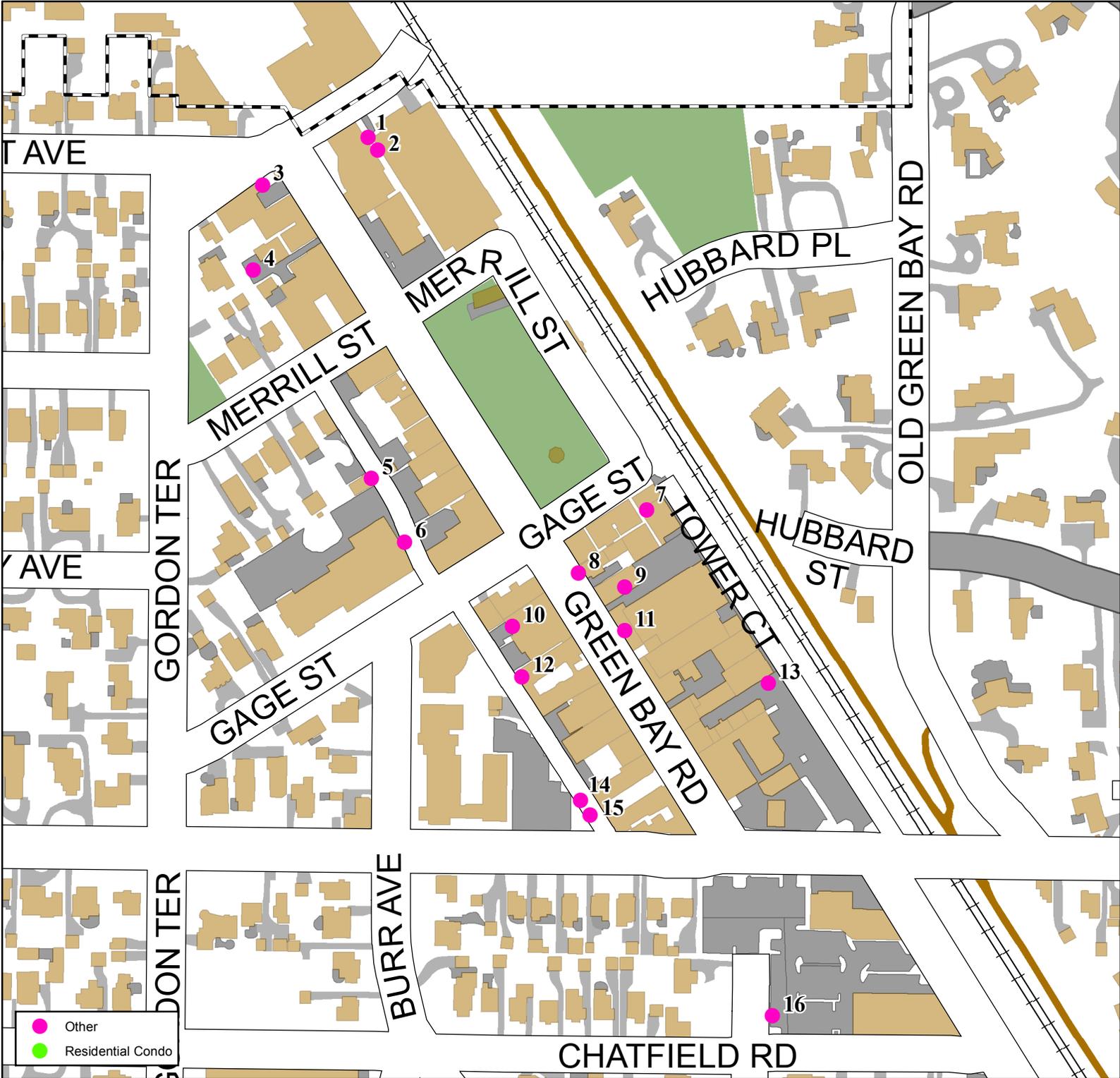
Commerical Recycling Map

Village of Winnetka

4d



Date: 9/9/2016



Number	Address	Number	Address	Number	Address	Number	Address	Number	Address
1	1009 Green Bay Rd	14	886 Green Bay Rd	27	735 Elm St	40	730 Elm St	54	88 Green Bay Rd
2	1001 Green Bay Rd	15	1049 Tower Rd	28	562 Green Bay Rd	41	716 Elm St	55	86 Green Bay Rd
3	1000 Green Bay Rd	16	858 Green Bay Rd	29	566 Chestnut St	42	700 Oak St	56	454-464 Winnetka Ave
4	984 Green Bay Rd	17	606 Green Bay Rd	30	560 Chestnut St	43	716 Oak St	57	385 Winnetka Rd
5	954 Green Bay Rd	18	620 Lincoln Ave	31	555 Birch St	44	800 Oak St	58	42 Green Bay Rd
6	948 Green Bay Rd	19	585 Lincoln Ave	32	542 Chestnut St	45	310 Green Bay Rd	59	38 Green Bay Rd
7	1050 Gage St	20	567 Lincoln Ave	33	538 Chestnut St	46	191 Linden St	60	600 Hibbard Rd
8	933 Green Bay Rd	21	572 Lincoln Ave	34	819 Elm St	47	156 Green Bay Rd	61	515 Hibbard Rd
9	929 Green Bay Rd	22	562 Lincoln Ave	35	805 Elm St	48	545-563 Hill Rd	62	520 Glendale Ave
10	930 Green Bay Rd	23	550 Lincoln Ave	36	800 Elm St	50	140-144 Green Bay Rd	63	1390 Willow Rd
11	925 Green Bay Rd	24	540 Lincoln Ave	37	510 Green Bay Rd	51	134 Green Bay Rd		
12	918 Green Bay Rd	25	545 Lincoln Ave	38	507 Chestnut St	52	525 Winnetka Rd		
13	1015 Tower Ct	26	739 Elm St	39	501 Chestnut St	53	518 Winnetka Ave		



Commerical Recycling Map

Village of Winnetka

Date: 9/9/2016



● Other
● Residential Condo

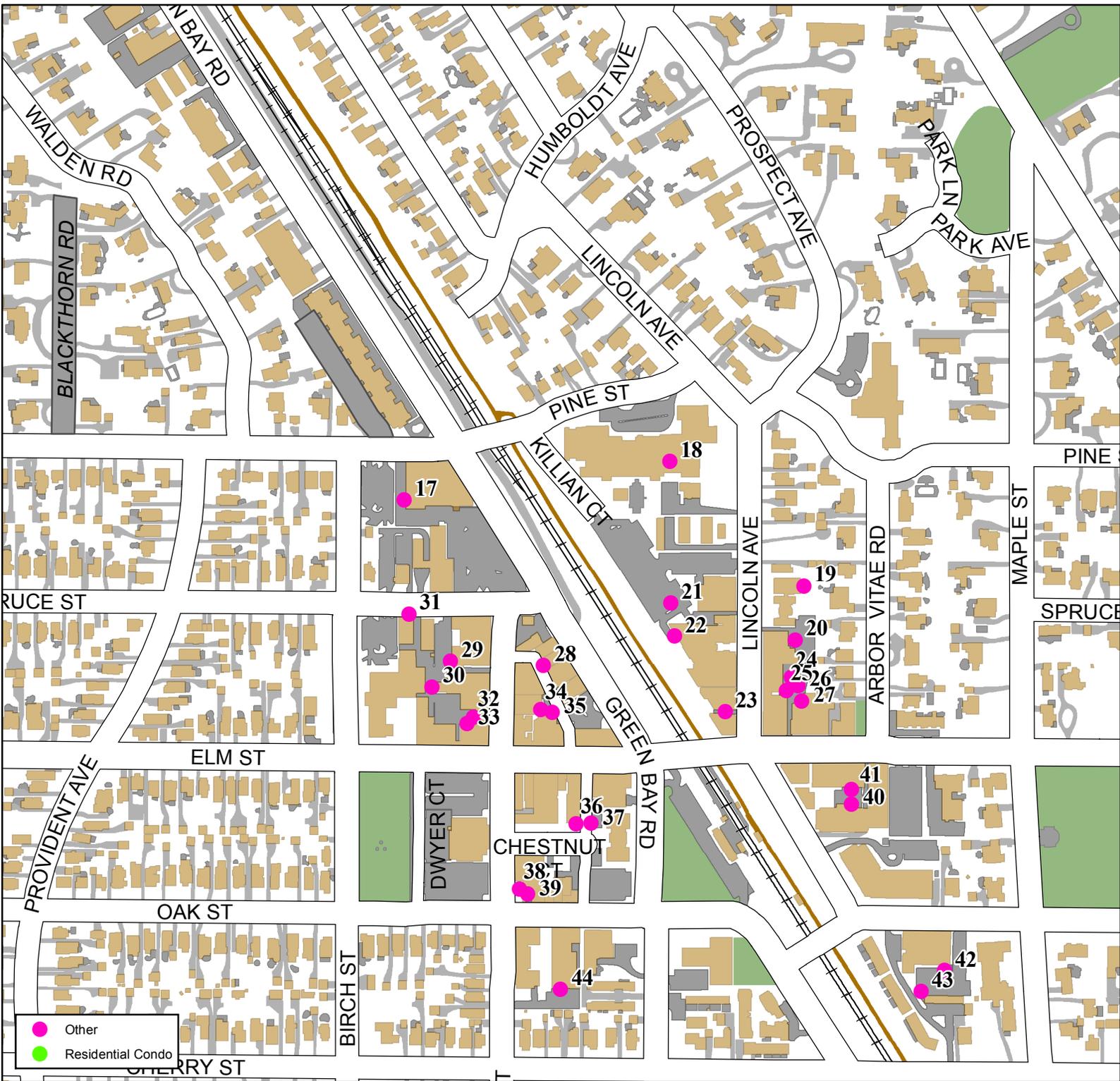
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Commerical Recycling Map

Village of Winnetka

Date: 9/9/2016



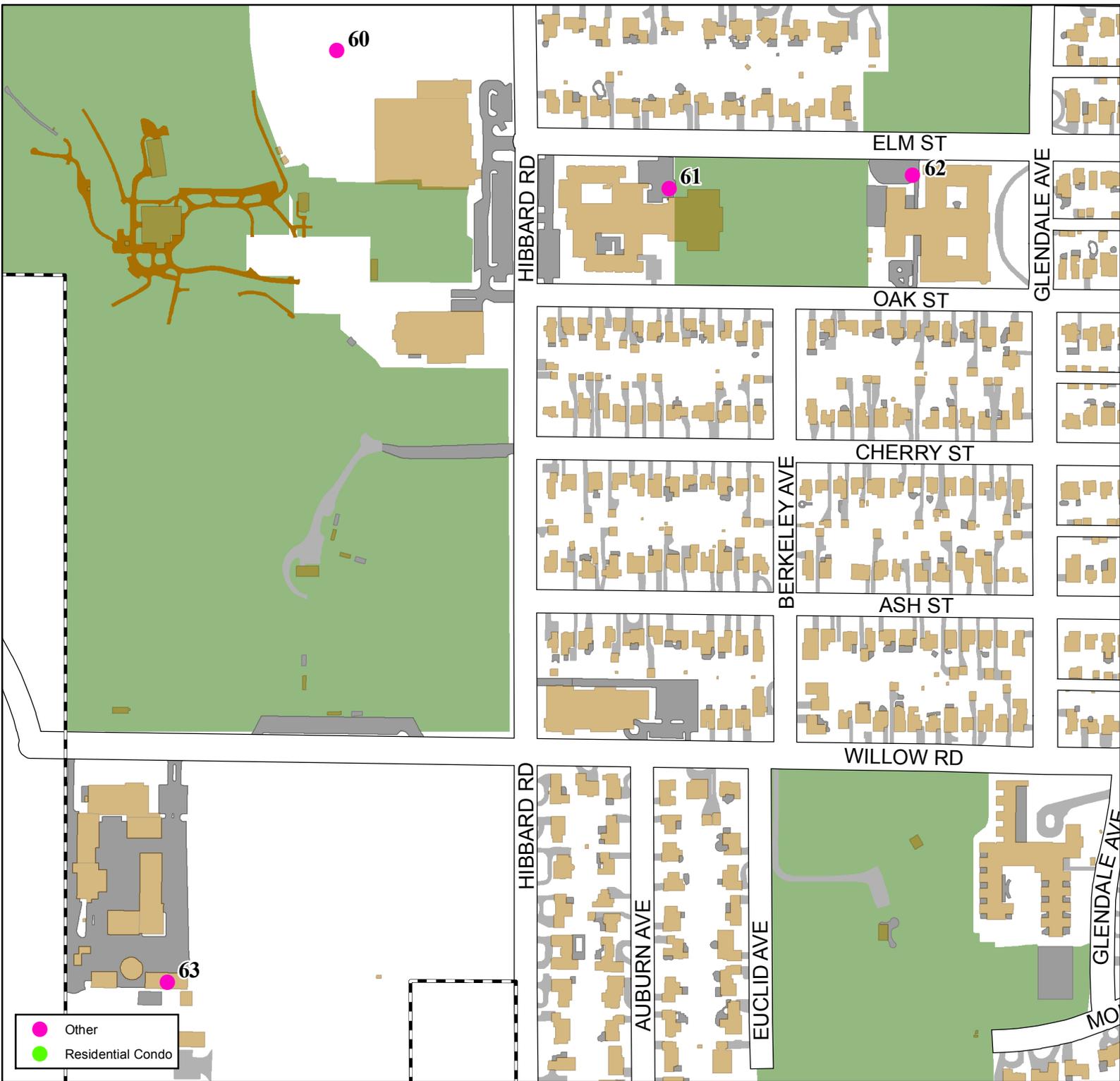
- Other
- Residential Condo

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Commerical Recycling Map Village of Winnetka

Date: 9/9/2016



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Commercial Recycling Toters

<u>Number</u>	<u>Address</u>	<u>Amount</u>	<u>Size</u>
1	1009 Green Bay	1	3 YD
2	1001 Green Bay	1	1 YD
3	1000 Green Bay	1	1 YD
4	984 Green Bay	1	2 YD
5	954 Green Bay	1	3 YD
6	948 Green Bay	1	1 YD
7	1050 Gage	1	2 YD
8	933 Green Bay	1	95 Gal
9	929 Green Bay	1	2 YD
10	930 Green Bay	1	2 YD
11	925 Green Bay	1	2 YD
12	918 Green Bay	1	1.5 YD
13	1015 Tower	1	3 YD
14	886 Green Bay	2	3 YD
15	1049 Tower	1	3 YD
16	858 Green Bay	1	6 YD
17	606 Green Bay	2	95 Gal
18	620 Lincoln	1	1 1/2 YD
19	585 Lincoln	1	3 YD
20	567 Lincoln	1	3 YD
21	572 Lincoln	1	3 YD
22	562 Lincoln	1	3 YD
23	550 Lincoln	2	3 YD
24	540 Lincoln	1	3 YD
25	545 Lincoln	1	3 YD

26	739 Elm	1	3 YD
27	735 Elm	1	3 YD
28	562 Green Bay	1	95 Gal
29	566 Chestnut	2	3 YD
30	560 Chestnut	1	2 YD
31	555 Birch	1	3 YD
32	542 Chestnut	1	3 YD
33	538 Chestnut	1	3 YD
34	819 Elm	1	3 YD
35	805 Elm	1	3 YD
36	800 Elm	2	2 YD
37	510 Green Bay	4	95 Gal
38	507 Chestnut	1	3 YD
39	501 Chestnut	1	3 YD
40	730 Elm	1	3 YD
41	716 Elm	1	3 YD
42	700 Oak	1	1 1/2 YD
43	716 Oak	1	1 1/2 YD
44	800 Oak	1	1 1/2 YD
45	310 Green Bay	2	3 YD
46	191 Linden	1	2 YD
		2	95 Gal
47	156 Green Bay	1	3YD
48	545-563 Hill	1	3YD
50	140-144 Green Bay	1	3YD
51	134 Green Bay	1	3YD
52	525 Winnetka	1	95 Gal
53	518 Winnetka	1	3YD
54	88 Green Bay	1	3YD
55	86 Green Bay	1	3YD

56	454-464 Winnetka	1	3YD
57	385 Winnetka	1	6 YD
58	42 Green Bay	1	3YD
59	38 Green Bay	1	2 YD
60	600 Hibbard	1	6 YD
61	515 Hibbard	2	2 YD
		3	95 Gal
62	520 Glendale - Elm St side	1	1 1/2 YD
	520 Glendale - Oak St side	1	3 YD
63	1390 Willow	4	95 Gal
		1	2 YD

NORTH SHORE MOSQUITO ABATEMENT DISTRICT
Weekly Report

Surveillance Results For: 8/28/2016 - 9/3/2016

Date of Report: 9/07/2016

Week Number: 36

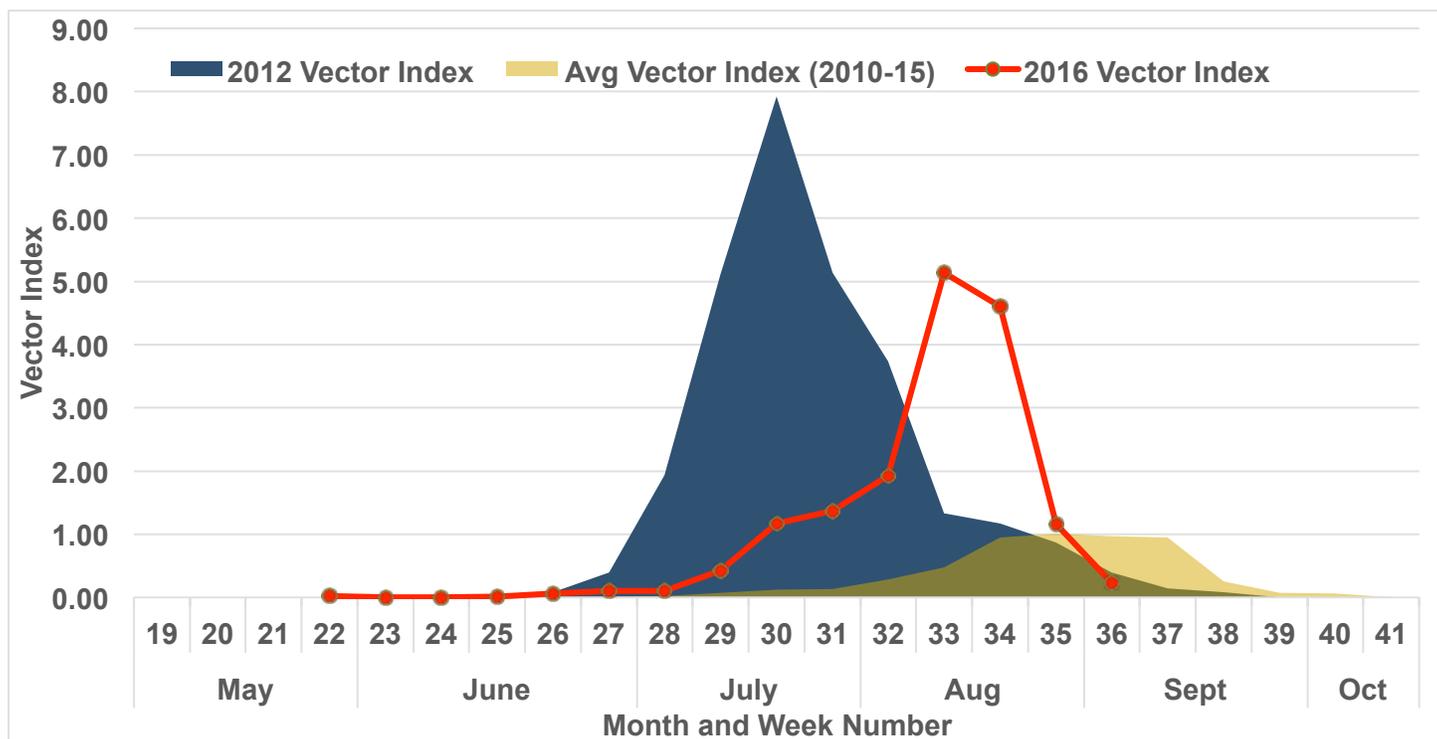
West Nile Virus Surveillance

WNV Risk Level: As of week 36, the risk of WNV infection in NSMAD is moderate. Though risk is decreasing, residents should still take precautions to avoid mosquito bites.

Municipality	Batches Tested This Week		Batches Tested Season Total	
	# WNV+	# Tested	# WNV+	# Tested
Evanston	4	6	118	325
Glencoe	3	4	23	102
Glenview/Golf	3	4	55	166
Kenilworth	1	2	15	62
Lincolnwood	0	4	14	60
Morton Grove	0	0	9	62
Niles	1	1	11	36
Northbrook	0	0	27	68
Northfield	0	2	16	65
Skokie	3	6	94	242
Wilmette	0	1	23	74
Winnetka	0	0	22	89
Total	15	30	427	1351

WNV Vector Abundance: *Culex pipiens* abundance in NSMAD gravid traps continues to decline and is approximately a half of what it was last week. Abundance is now approximately average for this time of year.

Vector Index: Both vector abundance and infection rate decreased during week 36 and as a result the Vector Index is now approximately average for this time period.



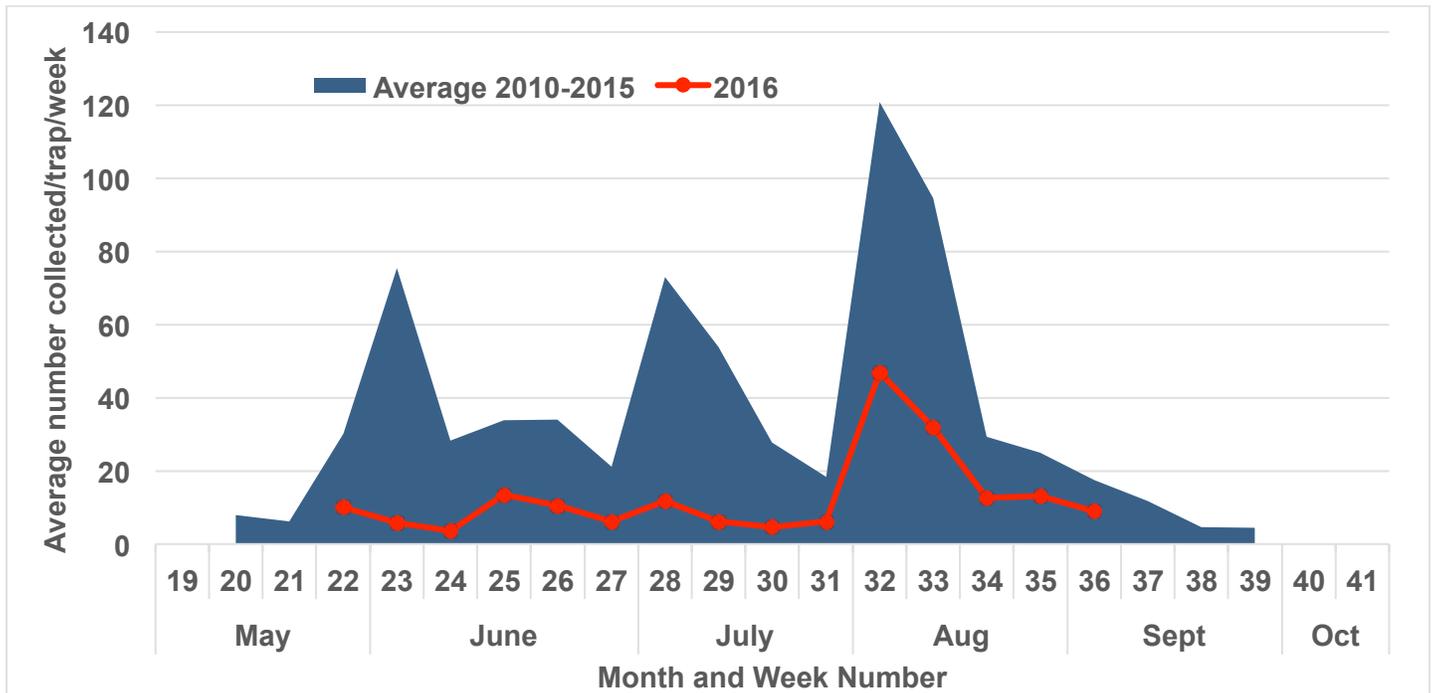
Vector Index during most recent outbreak year (2012), average of non-outbreak years 2010-2015 and current year 2016.

Vector Index = estimate of the number of WNV-infected *Culex pipiens* collected per trap, per day.

Nuisance Mosquito Surveillance

Surveillance Data: Nuisance mosquito abundance measured in NSMAD New Jersey Light Traps were low and has remained relatively unchanged for the past 3 weeks. There may be pockets of higher populations in areas near woodland floodwater sites.

New Jersey Light Trap Collection Graph



Aedes albopictus Information

Three, female, *Aedes albopictus* adults were collected in a gravid trap located in Skokie on Friday, September 2, 2016. We are in the process of assessing the extent of the infestation through door-to-door inspections and BG Sentinel Traps. This is the first record of *Aedes albopictus* in the NSMAD. While they are competent vectors of Zika virus in the lab, they have not been associated with outbreaks of Zika virus in the field. This means that the risk of Zika virus transmission via mosquitoes remains exceedingly low within the area served by the NSMAD.

Human Surveillance

On September 6, we were notified by Cook County Dept. of Public Health that a resident within the area served by the NSMAD contracted West Nile in early August. This is the first human case to occur in the District this year. As of September 7, 2016, the [Illinois Department of Public Health](#) is reporting 15 human WNV cases statewide.

Larval Control And Source Reduction

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

We are focusing on the inspection and treatment of water retention areas and residential breeding sources. Back-checks and retreatments of public road catch basins will continue through the end of the season.

Adult Mosquito Control Operations

During week 36, adult mosquito control operations took place in portions of Evanston and Skokie. Please see our [website](#) for the most current information about adult control operations.

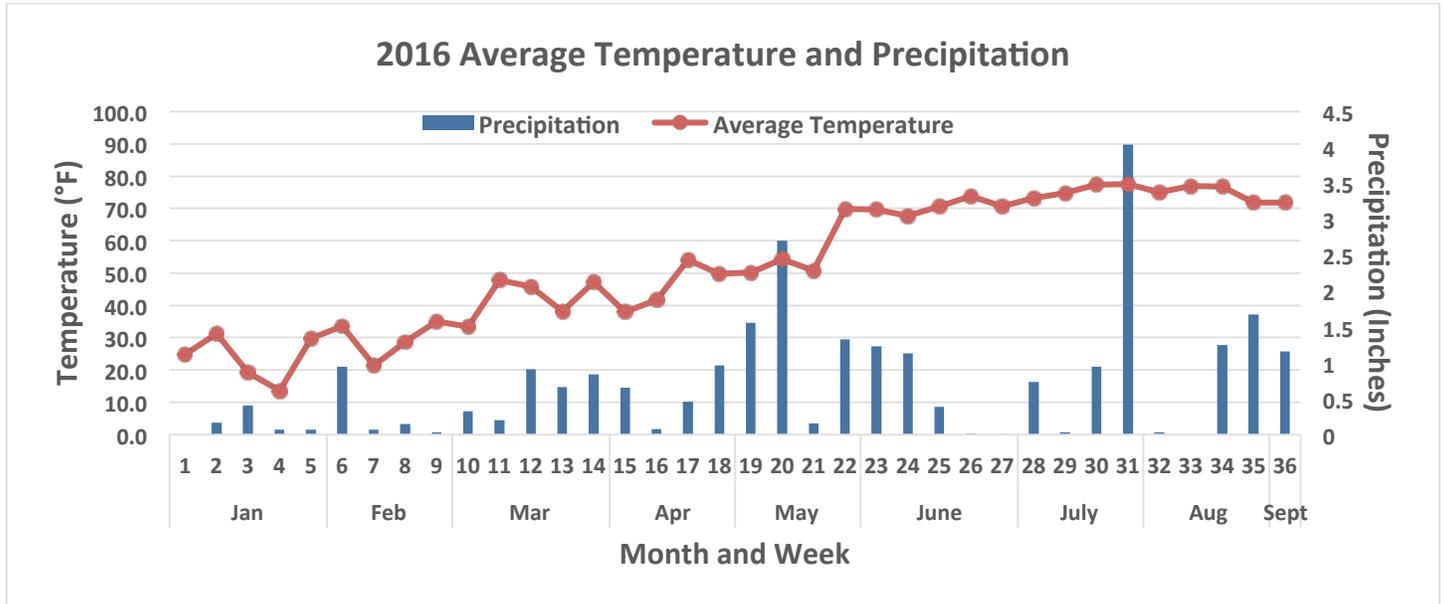
Public Information

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.

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

Average temperatures decreased during during Week 35 and remained approximately the same during Week 36. Moderate rainfall during the week produced standing water in some floodwater sites and may lead to an increase in nuisance mosquito populations in certain areas of the district during the week of September 5th.

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