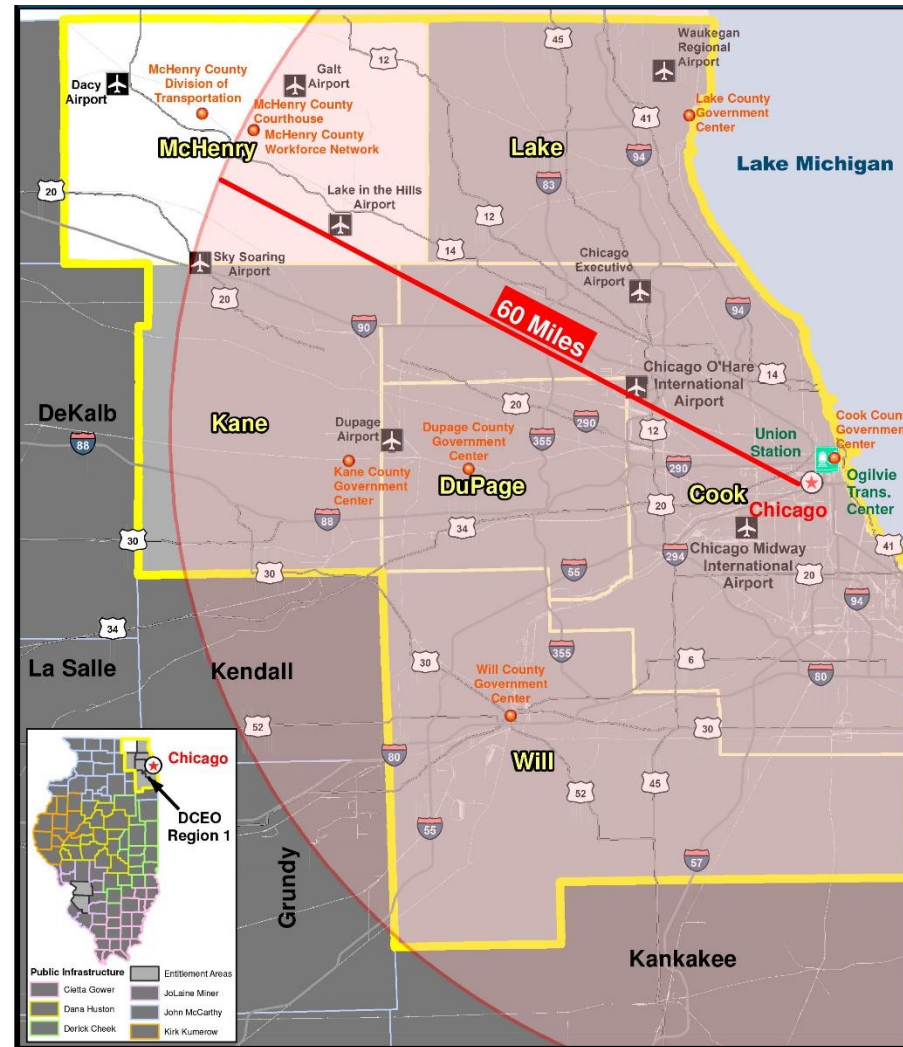


# Participation in CRS with Minimal Staff and a Shoestring Budget

Joanna Colletti, P.E., CFM  
Water Resources Manager / Chief Stormwater Engineer  
McHenry County Department of Planning & Development



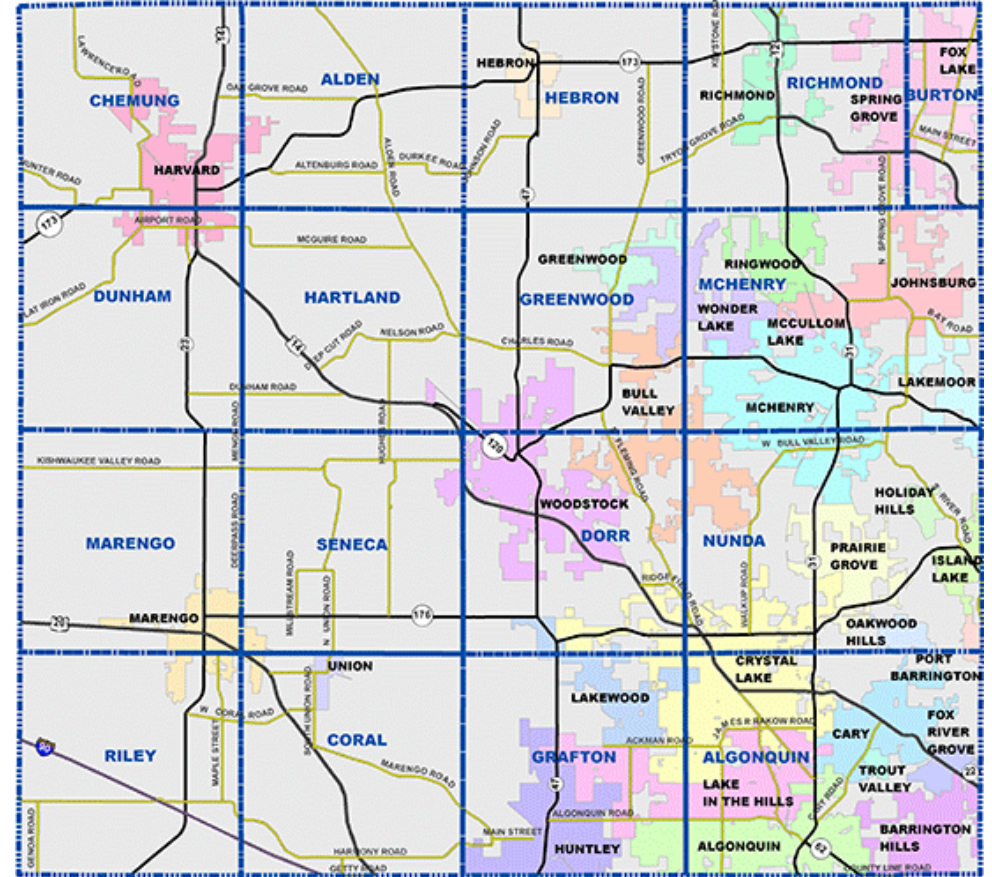
# Where is McHenry County?





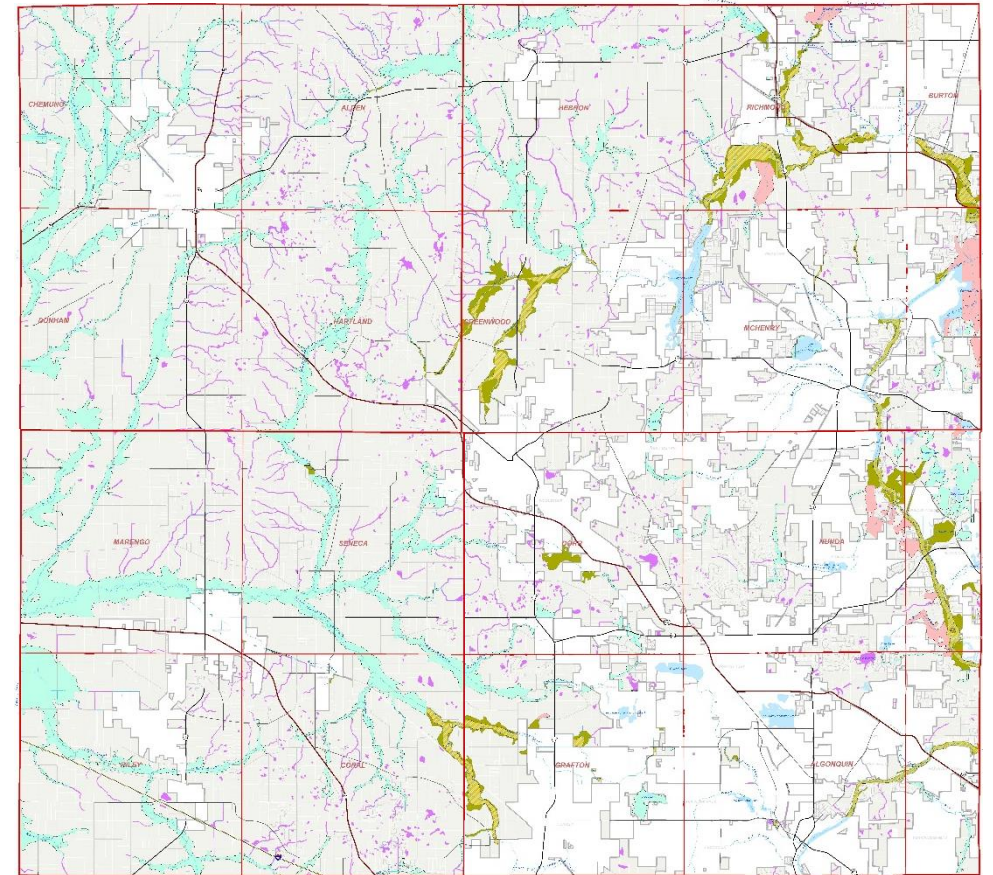
# McHenry County – By the Numbers

- Population – 310,229 (2020 census)
- Land Area – 603 sq miles
- Water Area – 7.6 sq miles
- 30 Municipalities
- 17 Townships
- More urbanized to the east
- More rural to the west



# Unincorporated McHenry County – By the Numbers

- Population – approx. 64,000
- Land & Water Area – 429 sq miles
- SFHA – 36,377 acres
- Historic Floodplain Area – 6,258 acres
- Open Space Area – 11,418 acres
- Structures in the SFHA – 1,113
- Repetitive Loss Properties – 71
- Repetitive Loss Areas – 24
- Structures in Rep Loss Areas – 599
- # of Policies – 482 (\$1,562)



# Unincorporated McHenry County – Planning & Development Department

- 28 Full-time staff
  - 4 Water Resources engineers
  - Planner with GIS experience
  - Administrative staff
- Budget
  - Department-wide - \$2,100,000
  - Water Resources - \$378,000
    - \$16,000 for operations excluding salaries
  - Department budget set aside for CRS = \$0







# Series 300

Public Information Activities



# Series 300 – Points Earned

## Activity 310 – Elevation Certificates

- Construction Certificate Management Procedures (CCMP)

- Elevation Certificates
- Maintenance procedures for ECs
- List of permits (Excel spreadsheet)

38 points

U.S. DEPARTMENT OF COMMERCE  
Federal Emergency Management Agency  
National Flood Insurance Program

19974

OMB No. 1860-0008  
Expiration Date: November 30, 2022

**ELEVATION CERTIFICATE**  
Important: Follow the instructions on pages 1-6.

Copy all pages of this form and submit them to (1) community official, (2) insurance agent/company, and (3) building owner.

**SECTION A – PROPERTY INFORMATION**

A1. Building Owner's Name  
Mark Stanford

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.  
4916 Woodrow Ave

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)  
Lot 14 in Schaefer's North Subdivision, P.L.N 10-08-132-001

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)  
Residential

A5. Latitude/Longitude: Lat. N 42°23'57.25" Long. W 88°12'32.01" Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number  
9

A8. For a building with a crawlspace or enclosure(s):  
a) Square footage of crawlspace or enclosure(s) 979.00 sq ft  
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 5  
c) Total net area of flood openings in A8.b 1087.00 sq in  
d) Engineered flood openings? ☐ Yes ☒ No

A9. For a building with an attached garage:  
a) Square footage of attached garage N/A sq ft  
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A  
c) Total net area of flood openings in A9.b N/A sq in  
d) Engineered flood openings? ☐ Yes ☒ No

### Construction Certificate Management Procedures

Updated: September 1, 2021

The Planning & Development Department is responsible for the administration of all development issues within the unincorporated areas of McHenry County including permitting, inspection, and review of all construction along with the creation of and maintenance of all building permit files and administrative documents (ordinances, building guides, applications, forms, outreach materials, etc.) related to building and development. All inspections and permit/plan reviews are conducted by the Planning & Development Department as well as all permit approvals. The Planning & Development Department is comprised of Building, Stormwater, and Zoning divisions who each conduct permit reviews and inspections.

The purpose of this document is to explain our management procedures for review of Elevation Certificates (ECs) and all other floodplain-related construction certificates required including, but not limited to, Floodproofing Certificates, and Engineered Opening Certificates. These procedures outline the types of certificates required, the collection and review of all certificates, how corrections should be made, where the certificates are stored/archived and how we make these certificates available to the general public.

#### (a) TYPES OF CERTIFICATES REQUIRED

When any new construction, substantial improvement or repair for a substantially damaged building is conducted in the Special Flood Hazard Area (SFHA) the Stormwater Division shall require an EC, and any other floodplain-related certificate that is appropriate (Floodproofing Certificate for Non-Residential Buildings, Residential Basement Floodproofing Certificate and Engineered Opening Certificate) for the development.

#### (a) & (b) WHEN CERTIFICATES ARE REQUIRED

The applicant shall submit an EC marked "Construction Drawings" with the Building Permit Application. This EC shall be used to determine if the proposed design is in compliance with the Stormwater Management ordinance. After the foundation is built and the elevation of the lowest floor is determined, another EC shall be submitted that is marked, "Building Under Construction". This will document the elevation of surrounding grades and the lowest floor to ensure they comply with the required elevations before construction is allowed. Once construction on the building is finished and a correct "Finished Construction" EC must be submitted. A "Finished Construction" EC must be submitted before a Certificate of Occupancy (or final approval of required certificates must also be submitted and reviewed.


Structures is required for a floodproofed non- however we will require one anyway to help verify ment ordinance. A complete and correct Floodproofing the Stormwater Division once construction is finished on the

lled in the foundation of a building, and the EC indicates that on the EC), an Engineered Opening Certificate is required to mpliance and the insurance rate. Be sure the developer nce Evaluation Service (ICC-ES) form for the engineered idual certifications must cover the following at minimum: ss) with the installed engineered openings;

OS Activity 312.a													
Elevation Certificate Permit List													
McHenry County, IL													
Permit #	Permit ID	Name	Permit Issued Date	Address	City, State	Unincorporated or Village/City	Bldg Type (Res, Non-Res, Addition, Accessory, etc.)	New Bldg w/ EC	EC Date	Permit Final	Inspected Count EC	Floodproofing Certificate Required?	V Zoning
04-31-431-005	1700	McGrath	07/20/17	930 Diamond Mill Rd	Woodstock, IL	Unincorporated	Residential	New Construction	AE	YES	YES	NO	Shaded
05-36-294-03	1904	Lawrence	7/20/20	533 Broadway Way	Spring Grove, IL	Unincorporated	Residential	Substantial Improvement	AE	YES	NO	NO	Shaded
05-25-403-010	1438	Olse	11/10/20	810 Orchard Road Rd	McHenry, IL	Unincorporated	Residential	Substantial Improvement	AE	YES	NO	NO	Shaded
05-25-264-07	1785	Baltzart	12/10/20	300 Woodrow Park Ave	McHenry, IL	Unincorporated	Residential	Substantial Damage	AE	YES	YES	NO	In IP by Division
05-36-254-03	1886	Blanton	11/18/20	614 Country Club Dr	McHenry, IL	Unincorporated	Residential	New Construction	AE	YES	YES	NO	Shaded
05-36-254-03	1886	Blanton	11/18/20	614 Country Club Dr	McHenry, IL	Unincorporated	Accessory	New Construction	AE	YES	YES	NO	Shaded
05-36-294-02	1787	Epstein	11/18/20	870 Franklin Dr	McHenry, IL	Unincorporated	Residential	New Construction	AE	YES	YES	NO	Shaded
16-45-444-003	1788	Carr	11/15/20	510 Oak Dr	McHenry, IL	Unincorporated	Residential	Substantial Improvement	AE	YES	YES	NO	Shaded
14-13-831-007	1372	Cole	5/19/20	570 Orchard Ln	McHenry, IL	Unincorporated	Residential	New Construction	AE	YES	YES	NO	Shaded
15-18-264-010	1933	McGowan	10/14/20	318 Silverado Dr	McHenry, IL	Unincorporated	Residential Addition	Construction	AE	YES	YES	YES	Shaded
15-14-294-003	1680	Lerman	11/24/20	210 West Ln	Carly, IL	Unincorporated	Residential Addition	Construction	AE	YES	YES	NO	Shaded
16-45-294-005	1885	Swartz	5/18/20	1114 Shady Hill Grove Ln	Carly, IL	Unincorporated	Residential	New Construction	AE	YES	YES	YES	Shaded
16-48-231-003	1994	Stanford	11/12/20	416 Woodrow Ave	McHenry, IL	Unincorporated	Residential	Construction	AE	YES	YES	YES	Shaded

## Activity 320 – Map Info Service

- Basic FIRM Information (MI<sub>1</sub>)
- Additional FIRM Info (MI<sub>2</sub>)

 **McHenry County**  
**Department of Planning and Development**  
Office: McHenry County Admin. Bldg.  
667 Ware Road, Woodstock, Illinois  
MAIL: 2200 N. Seminary Ave.  
Woodstock, Illinois 60098  
www.mchenrycountyll.gov/plandev  
EMAIL: plandev@mchenrycountyll.gov  
PH: 815-334-4560 Fax: 815-334-4546

August 30, 2021

**Subject: FEMA Flood Insurance Rate Map Zone Information**

Dear Lending Institution, Real Estate Agent or Insurance Agent:

As a public service, the McHenry County Department of Planning and Development, Water Resources Division will provide you with the following information upon request (for properties located within unincorporated McHenry County and within non-certified communities such as Bull Valley, Greenwood, Lakemoor, McCullom Lake, Oakwood Hills, Richmond and Trout Valley):

- 1) Whether a property is in or out of the Special Flood Hazard Area (SFHA) as shown on the current FEMA Flood Insurance Rate Map (FIRM) of the County.
- 2) Basic flood map information for a site, such as the FIRM zone and the base flood elevation or depth, if shown on the FIRM.
- 3) Additional flood map information including [floodways, historical flooding on the site, and sensitive areas that service natural floodplain functions such as wetlands.](#)
- 4) Access to Elevation Certificates that have been processed in the County.
- 5) We have 3 Certified Floodplain Managers on staff that can assist with questions on floodway and floodplain issues.
- 6) We have copies of Letters of Map Amendments (LOMAs) or Letter of Map Revisions (LOMRs) on file in our office for unincorporated areas.

If you would like to make an inquiry, please tell us the address, parcel number, owner name, or, if available, the subdivision, lot and block number. We are open 8:00 a.m. to 4:30 p.m., Monday through Friday. You may reach us by telephone at (815) 334-4560, or by email at [stormwater@mchenrycountyll.gov](mailto:stormwater@mchenrycountyll.gov), or you may visit us at the McHenry County Department of Planning and Development located at 667 Ware Road, Woodstock, IL 60098. Any of our

**From:** Joanna Collett  
[Joanna.Collett@heartlandrealtor.com](mailto:Joanna.Collett@heartlandrealtor.com); [Ysely.Simpson@Codywellmiller.com](mailto:Ysely.Simpson@Codywellmiller.com); [lmichaele@realstate4less@gmail.com](mailto:lmichaele@realstate4less@gmail.com); [info@heartland.com](mailto:info@heartland.com); [1.mlsagent@realestate.com](mailto:1.mlsagent@realestate.com); [afikes300@usbank.net](mailto:afikes300@usbank.net); [johnmiller15@gmail.com](mailto:johnmiller15@gmail.com); [henry@realestate.com](mailto:henry@realestate.com); [info@realtor.com](mailto:info@realtor.com); [joh@heartland80.com](mailto:joh@heartland80.com); [kconley@starline.com](mailto:kconley@starline.com); [lmindofrealestatedean.com](mailto:lmindofrealestatedean.com); [mlerkes@heartlandrealtors.com](mailto:mlerkes@heartlandrealtors.com)

**Subject:** McHenry County Floodplain Information

**Date:** Monday, August 30, 2021 8:34:00 AM

**Attachments:** Insurance, Real estate, lenders letter for FEMA REVISED 2021.pdf

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Good afternoon Board of Directors for Heartland Realtor Organization –

As you may be aware, McHenry County participates in the FEMA Community Rating System (CRS) as a Class 7 community, which provides policy holders within unincorporated McHenry County a 15% discount on flood insurance.

As part of our continued participation in the CRS, we would like to inform you and your members about the services McHenry County can provide regarding FEMA Flood Insurance Rate Map information. Attached please find a letter describing these services in more detail. Please feel free to share this information with your members and other real estate agents throughout the county.

Regards,  
 Joanna

[illegible]

MAP PROPERTY LOG (Activity 120)										of Planning and Development located at 5									
INQUIRY CODE	RESPONSE METHOD/ CODE			ADDRESS	PROPERTY OWNER/POSSESSOR	BASIS	FIRM DATE	FIRM PAGE	EFFECTIVE DATE	FINDINGS	REF. NUMBER (see Act 10)	REMARKS (see Act 10)	REMARKS (see Act 10)	REMARKS (see Act 10)	REMARKS (see Act 10)	REMARKS (see Act 10)	REMARKS (see Act 10)	REMARKS (see Act 10)	REMARKS (see Act 10)
	INQUIRY CODE	RESPONSE METHOD/ CODE	RESPONSE METHOD/ CODE																
10/23/2019	B	T	14-01-128-021	313 N Emerald Dr, McKinney	Bertlinginger (owner)	PlanDev/Neues/NH/L	4E	0209	11/26/2019	Best of all in flood way with an 8' FEMA, 80'20" to 3' The mapping is not too far off from the top. Buyer was told there is floodplain in the east. Plans to build a house on the property. No restrictions, but there would be additional requirements for comp. and a building protection standards.	NA	No	No	No	No	No	No	No	No
11/6/2019	B	T	15-04-7-009	3014 S. Paul Street, McKinney	Kate Ann Frenschberger	PlanDev/Neues/NH/L	4E	0236	11/05/2019	Potential buyer wanting the property has floodplain and there would be any restrictions on building new garage. No restrictions, but there would be additional requirements for comp. and a building protection standards.	338.5	No	No	No	No	No	No	No	No
12/12/2019	B	T	18-17-024-007	819 Northeast Shire Dr, McKinney	Joseph R Rozzelle (owner)	PlanDev/Neues/NH/L	4E	0237	11/26/2019	Potential buyer looking to purchase property and build a property was a floodplain. She stated that the owner had "some documents." I saw that FEMA is a FEMA and also stated that for that address, information that may not be in the system and she should get clarification and specific to see again if the material is to review the documents before purchasing the property.	735.5	Yes	Yes	No	No	No	No	No	No
1/6/2020	B	T	20-19-13-005	1212 Bayview Drive, Fairview Grove	Walter Whitford	PlanDev/Neues/NH/L	4E	0263	11/26/2019	Each for potential buyer calling for some of the floodplain on the lot and what map number they would be used to do a renovation and an addition to the structure.	735.5	Yes	Yes	No	No	No	No	No	No
1/10/2020	B	T	15-08-100-013	2500 Park Way, McKinney Hills	Gustaf LLC	PlanDev/Neues/NH/L	4E	0268	11/26/2019	Potential buyer looking to purchase property. Discussed floodplain, regulations for improvement, structure and other features.	736.6	Yes	Yes	No	No	No	No	No	No
1/20/2020	B	T	18-06-300-017	Greenleaf St, Spring Grove (located NW)	Pat Sisk LLC	PlanDev/Neues/NH/L	4E	0312	11/26/2019	Potential buyer looking to purchase vacant property for a new residence. Went through floodplain regulations with a map.	743.9	Yes	Yes	No	No	No	No	No	No
2/9/2020	B	T	18-26-176-002	1887 Leather Drive, Algonquin	Robert W. Corman	PlanDev/Neues/NH/L	4E	0342	11/26/2019	Converse called meeting to map of the lot for this property. Inquiring about what is needed to acquire for a vacant lot in order to add an addition to the structure.	724.8	No	Yes	No	No	No	No	No	No
2/9/2020	B	T	08-13-403-055	9511 W Lake Shore Dr, Windsor Lake	Robert W. Corman	PlanDev/Neues/NH/L	4E	0088	11/16/2019	Potential buyer looking to purchase the property. He wanted to know if the property was listed under floodplain.	603	No	No	No	No	No	No	No	No
7/7/2020	B	T	15-29-483-033	Vanant Place	Acia (Inquirer)	PlanDev/Neues/NH/L	4E	0330	11/16/2019	Potential buyer looking to purchase property. Wanted to know if the can build a house on the lot. Floodplain map may not be exact area of property, but the 500-year zone. Portions of the property could still be considered in the floodplain based on elevation.	710	No	No	No	No	No	Possibly	No	No
8/6/2020	B	T	18-02-403-036	Waverly Parcel	Regina Thomas (Inquirer)	PlanDev/Neues/NH/L	A	0239	11/26/2019	Potential buyer looking to purchase the vacant lot. Wanted to know floodplain regulations.	743.9	No	No	No	No	No	No	No	No
4/9/2021	B	T	09-03-100-001, 03-03-300-025, 025, 042	11506 ARROYO BL, MERRICK	PRESTIGE SPORT HOMES LLC	PlanDev/Neues/NH/L	A	0075	11/26/2019	Real estate agent calling on behalf of client. Looking to purchase property and seeing if there is a canal in the floodplain. There is mapped in floodplain. There is a canal in the system, but it is from 1999 and map affects 2000. Update owners from a home inspection. 1,000,000 to 100,000. The area is higher level and need more information. May need an elevation certificate or update owners for a map with known FEMA 100-year zone contained FEMA.	NA (Zone A from 100-year FEMA zone)	Yes	No	No	Yes	No	No	No	No

you or your clients. Please visit the "Flood Insurance and Flood Protection" webpage at [www.mchenrycounty.org/planning](http://www.mchenrycounty.org/planning).

CHECK HARD COPY FOR CORRECTION

# FLOOD INSURANCE STUDY

VOLUME 1 OF 2

## MCHENRY COUNTY, ILLINOIS AND INCORPORATED AREAS

McHenry County

Community Name	Community Number	Community Name	Community Number
ADAMS, INCORPORATED	11239	LAKEVIEW, INCORPORATED	11240
ADAMSVILLE, TOWNSHIP OF	11241	MCHEENY, TOWNSHIP OF	11242
ADAMSVILLE, TOWNSHIP OF	11245	MCHEENY, TOWNSHIP OF	11246
ADAMSVILLE, TOWNSHIP OF	11247	MCHEENY, TOWNSHIP OF	11248
ADAMSVILLE, TOWNSHIP OF	11249	MCHEENY, TOWNSHIP OF	11250
ADAMSVILLE, TOWNSHIP OF	11251	MCHEENY, TOWNSHIP OF	11252
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ADAMSVILLE, TOWNSHIP OF	11255	MCHEENY, TOWNSHIP OF	11256
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ADAMSVILLE, TOWNSHIP OF	11363	MCHEENY, TOWNSHIP OF	11364
ADAMSVILLE, TOWNSHIP OF	11365	MCHEENY, TOWNSHIP OF	11366
ADAMSVILLE, TOWNSHIP OF	11367	MCHEENY, TOWNSHIP OF	11368
ADAMSVILLE, TOWNSHIP OF	11369	MCHEENY, TOWNSHIP OF	11370
ADAMSVILLE, TOWNSHIP OF	11371	MCHEENY, TOWNSHIP OF	11372
ADAMSVILLE, TOWNSHIP OF	11373	MCHEENY, TOWNSHIP OF	

ty participates in the FEMA Community Rating System (CRS) as policy holders within unincorporated McHenry County a 15%

In the CRS, we would like to inform you and your members and provide regarding FEMA Flood Insurance Rate Map letter describing these services in more detail. Please feel free to throughout the county.

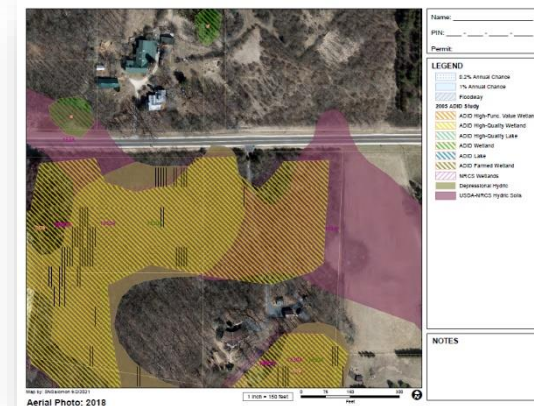
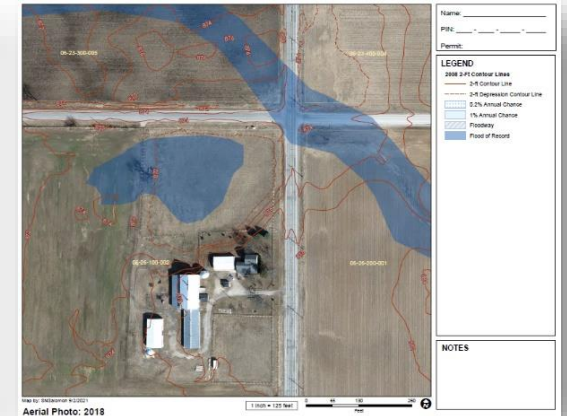
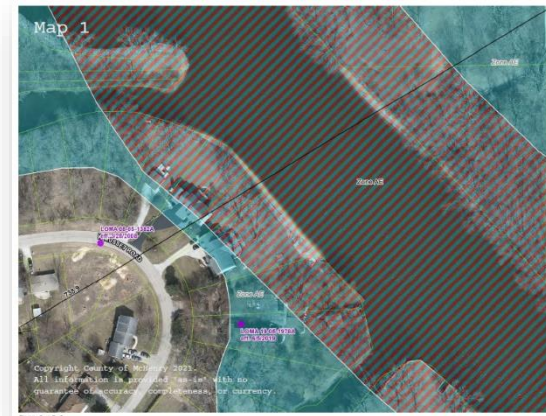


# Series 300 – Points Earned

## Activity 320 – Map Info Service

- Historic Flood Info (MI6)
- Natural Floodplain Functions (MI7)

90 points




## Activity 330 – Outreach Projects

- Outreach Projects (OP)
  - Targeted Letter (599 = \$\$!)
  - Real Estate Brochure
  - Other Brochures at P&D Counter
    - FEMA & personalized

330 Outreach Project (OP)								
	Outreach Projects	Points per Topic	Topics Covered					
			1. Hazard	2. Insure	3. People	4. Property	5. Build	6. Natural
OP#1	RL Outreach	6	x	x	x	x	x	
OP#2	REB - to all Realtors	2	x	x		x	x	
OP#3	Brochures at Planning Counter - English / Spanish *Spanish version counts as 2nd occurrence	1	x	x	x	x	x	x
OP#4								

50 points



**McHenry County**  
**Department of Planning and Development**  
 1000 McHenry County Admin. Bldg.  
 100 West Broad Street, Illinois  
 Woodstock, IL 60093  
 (815) 334-5440  
 (815) 334-5446

August 5, 2021

Dear Resident:

As you are receiving this letter because your property is located in an area that has flooded several times. McHenry County is concerned about repetitive flooding and has an active program to help you protect yourself and your property from future flooding, but there are some things you can do:

1. Check with the McHenry County Department of Planning & Development (P&D) on the extent of past flooding in your area. Department staff can tell you about the causes of repetitive flooding, what the county is doing about it, and what would be an act you can visit your property to discuss flood protection after

2. Prepare for flooding by doing the following:
  - Know the flood safety guidance on the left page of this document.
  - Know how to shut off the electricity and gas to your home.
  - Make a list of emergency numbers and identify a safe place to go.
  - Make a household inventory and identify a safe place to go.
  - Put in place policies, valuable papers, medicine, etc.
  - Collect and put cleaning supplies, camera, water proofing.
  - Develop a disaster response plan – See the Red Cross information about preparing your home and family for disaster.
  - Download a copy of *Repeating Your Flooded Home* for more information. [www.redcross.org/preparing-your-home-for-disaster](http://www.redcross.org/preparing-your-home-for-disaster)

3. Consider some permanent flood protection measures.
  - Mark your water or breaker box to show the circuits to power to the basement can reduce property damage.
  - Consider elevating your house above flood levels.
  - Check your building for water entry points, such as the driveway, doors, and dryer vents. These are probe shields.
  - Install a floor drain plug, standpipe, overhead sewer, sewer backup flooding.
  - More information can be found in *Homeowner's Guide Your House from Flooding* at [www.fema.gov/guides](http://www.fema.gov/guides)
  - Note that some flood protection measures may need to be safe for your type of building, so go to [www.fema.gov/guides](http://www.fema.gov/guides)

4. Talk to the Water Resources Division of P&D for information.
  - Get a flood insurance policy – it will help pay for repairs after a flood and, in some cases, will help pay the costs of elevating a substantially damaged building.
  - If you are interested in elevating your building above the flood level or selling it to someone else, you may be able to apply for a Federal grant on your behalf to cover 75% of it. If you are interested, please visit the website link below which explains the various aid and other assistance programs that are available for residential flood victims: [www.fema.gov/guides](http://www.fema.gov/guides)

5. Get a flood insurance policy.
  - Homeowner's insurance policy
  - Community participates in the National Flood Insurance Policy. This is to everyone, even properties that are Community Rating System.
  - Some people have purchased their own flood insurance.
  - Get a mortgage or home equity loan. The lender will require you to have flood insurance. If you don't have it, the lender will require you to have it.
  - Don't wait for the next flood to wait for the next flood to wait for the next flood.
  - Contact your insurance agent.

As a frame of reference for flood insurance, approximately one percent of current property owners have flood insurance. This constitutes a significant amount of coverage over \$200 million annually.


If you have a question regarding it, contact P&D at (815) 334-5460 or visit [www.fema.gov](http://www.fema.gov) for more information.

Sincerely,

McHenry County Department of Planning and Development

Water Resources Division

Attachment: Flood Safety Leaflet



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**FLOOD HAZARD AREAS**

Developments are more susceptible to flooding than other types of structures. Floods can be caused by heavy rain, snowmelt, or a combination of the two. Floods can be caused by heavy rain, snowmelt, or a combination of the two. Floods can be caused by heavy rain, snowmelt, or a combination of the two.

**FLOOD SAFETY**

The following are some guidelines to help you protect your property from flooding.

**FLOOD WARNING SYSTEM**


Many times, flooding can be predicted at least a few days in advance. Flood warning systems are designed to provide advance notice of flooding. Flood warning systems are designed to provide advance notice of flooding.

**FLOODPLAIN PERMIT REQUIREMENTS**

All development within the 100-year floodplain must obtain a Floodplain Permit from the County Engineer. Floodplain Permits are required for all development within the 100-year floodplain.

**DRAINAGE SYSTEM MAINTENANCE**

As much as it may seem, simply keeping drains clean and free of debris can help prevent flooding. Floodplain Permits are required for all development within the 100-year floodplain.



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
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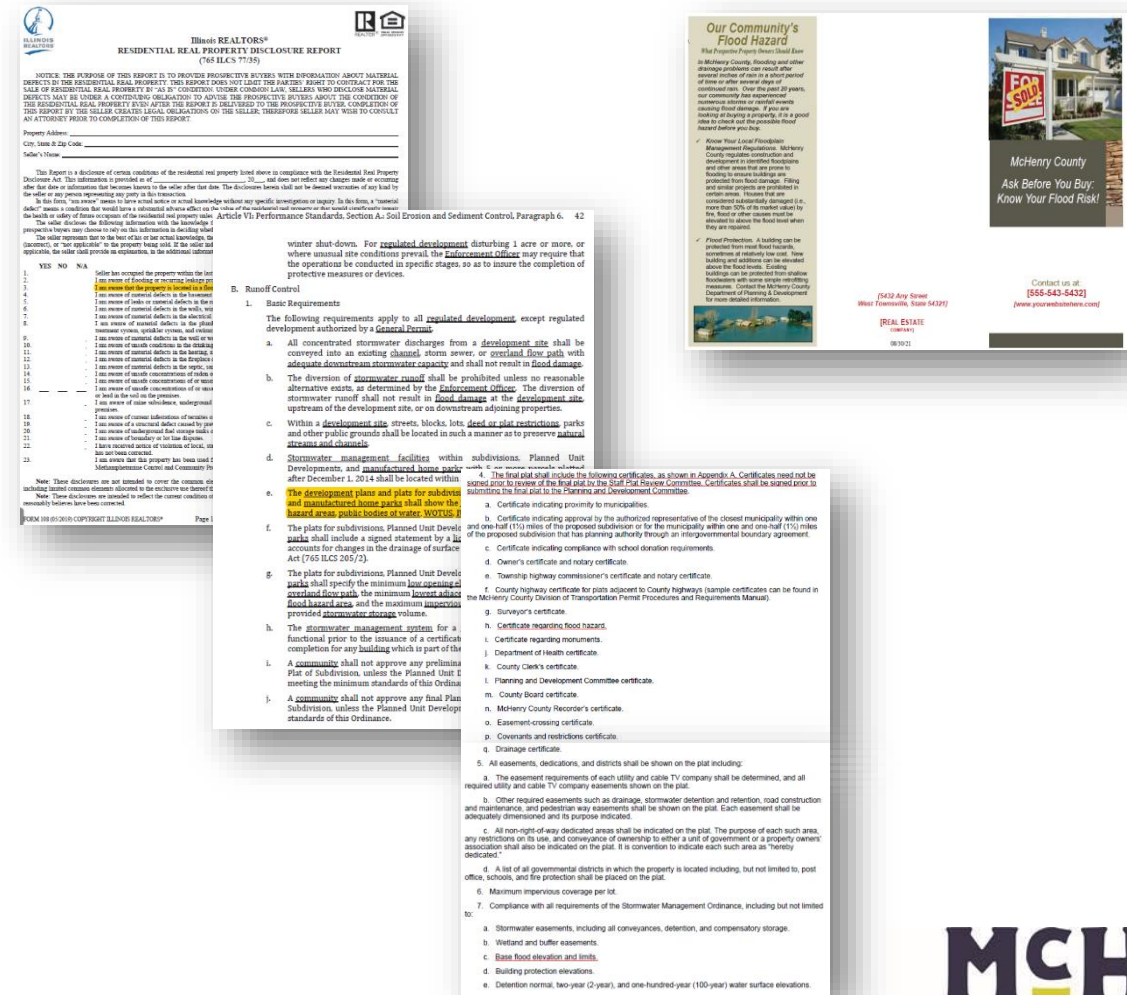


# Series 300 – Points Earned

## Activity 340 – Flood Hazard Disclosure

- Other Disclosure Requirements (ODR)
  - State Real Estate Property Disclosure Report
  - McHenry Co SMO
  - McHenry County UDO
- Real Estate Agent's Brochure (REB)

28 points





# Series 300 – Points Earned

## Activity 350 – Flood Hazard Disclosure

- Flood Protection Library (LIB) & Locally Pertinent Documents (LPD)
- Flood Protection Website (WEB)

- Flood Protection Messages (WEB<sub>1</sub>)
- Real-time Gage Information (WEB<sub>2</sub>)
- Posting EI Certs (WEB<sub>3</sub>)

# 84 points

LIB Credit Documentation	
X (1)	List of the publications that have been cataloged in the community's library or library system.
X	Above the Flood: Elevating Your Floodprone House, FEMA-347 (2000)
X	Answers to Questions About the National Flood Insurance Program, F-084 (2011)
X	Coastal Construction Manual, FEMA-P-55, (2011)
X	Elevated Residential Structures, FEMA-54 (1984)
X	Protecting Manufactured Homes From Floods and Other Hazards, FEMA P-85 (2009)
X	Mitigation of Flood and Erosion Damage to Residential Buildings in Coastal Areas, FEMA-257 (1994)
X	Protecting Building Utilities From Flood Damage, FEMA-P-348 (1999)
X	Protecting Floodplain Resources, FEMA-268 (1996)
X	Reducing Damage from Localized Flooding, FEMA 511 (2005)

Topic	Points
1. Know your flood hazard	7
2. Insure your property	7
3. Protect people	10
4. Protect property	7
5. Build responsibly	7
6. Protection natural functions	7
Is there a creditable PPI? If yes, add the credits below.	
7. PPI topic	
8. PPI topic	
9. PPI topic	
10. PPI topic	
WEB1 =	45

### Flooding and Flood Protection

Print Feedback Share & Bookmark Font Size

#### Useful Links and Documents

- Real-Time Rainfall and Stream Information
  - Calculated Daily Precipitation Data
  - For Stationary Assets (For River and Chain-of-Lakes water surface info)
  - USGS Stream Gage Data
  - USGS National Water Research Institute Surface Water & Rain-Sea Network Webpage
  - USGS - Real Time Precipitation Data
  - USGS - Streamflow Conditions
  - USGS - Surface Water Watch
- Flood Maps and Flood Hazard Information - Planning & Development's Water Resources Division may be able to assist you in understanding your flood risk. Please contact us at 815-334-4360.
  - FEMA National Flood Hazard Data Viewer
  - McHenry County Floodplain Viewer
  - Flood Hazard Information - Flood Data
- Documents you may need to remove your structure(s) from a FEMA Flood Hazard Area
  - FEMA Elevation Certificate
  - FEMA NFIP Form
  - FEMA NFIP Insurance & FEMA M11 Rate
  - FEMA Community Development Department (to be filed out by local community official)
- FEMA Flood Protection Library Documents
  - Above the Flood: Elevating Your Floodprone House, FEMA-347 (2000)
  - Answers to Questions About the National Flood Insurance Program, F-084 (2011)
  - Elevated Residential Structures, FEMA-54 (1984)
  - Manufactured Homes in Flood Hazard Areas: How to Protect Your Home From Flooding, FEMA P-312 (2014)
  - Protecting Manufactured Homes From Floods and Other Hazards, FEMA P-85 (2009)
  - Protecting Building Utilities From Flood Damage, FEMA P-348 (1999)
  - Protecting Floodplain Resources, FEMA-268 (1996)
  - Reducing Damage from Localized Flooding, FEMA 511 (2005)
- Other Partners Websites
  - McHenry County Water System (CWS) Program
  - McHenry County Department of Planning & Development - Stormwater Management Outfalls (Flood development regulations: note all development within a floodplain requires a Stormwater Management Permit)
  - McHenry County Emergency Management - Flood Damage - Flood Preparedness and Post-Flood Info
  - McHenry County Emergency Management - River Flood Damage
  - McHenry County Emergency Management - Stay Informed (links to keep informed about local hazards)
  - McHenry County Health Department - Emergency Preparedness & Response
  - NWS Flood Safety
  - NWS StormWatch
  - RealFeelings
  - Real Estate Agent Brochure Template

#### Flood Insurance

If you are interested in purchasing flood insurance, contact your local insurance agent or 1-800-725-1990 to reach specialists with the National Flood Insurance Program. All residents of unincorporated McHenry County are eligible to purchase flood insurance at a special rate. If you are a resident of a community that is not participating in the program, you may be eligible for a 15% discount. Typically, there is a 30-day waiting period from date of purchase until your policy goes into effect.

Flood coverage limits for a standard flood policy are:

- One to four-family structure = \$250,000
- One to four-family home contents = \$100,000
- Other residential structures = \$500,000
- Other residential contents = \$100,000
- Business structure = \$500,000
- Business contents = \$500,000
- Power plants = \$100,000

Below is a list of websites that may provide additional information regarding flood insurance and the process to acquire the products. New in 2021, flood insurance will be revised per the Risk Rating 2.0 model. Please see below for further information and explanation of the updated way insurance premiums will be quoted.

- FEMA FloodSmart (Flood insurance and preparedness information)
- FEMA National Flood Insurance Program (NFIP)
- FEMA NFIP Flood Insurance Manual
- FEMA Risk Rating 2.0: Explain in Action
- FEMA Flood and Analyze Advantage (insurance and answers regarding floodplains and flood insurance)
- FEMA NFIP Investment Cost of Correlation (ICC) (funding to elevate/floodproof/retrofit your home)
- FEMA Educational Flood Insurance Videos
  - Flood Risk: Provides an overview of risks and considerations for assessing flood risk
  - When Flood Insurance is Required (Explains when flood insurance is required rather than when it is simply recommended)
  - Basements (Describes how basements are defined under the program)
  - The Claims Process (Explains how to file a flood insurance claim after a flood)

### Electronic Records Search

Print Feedback Share & Bookmark Font Size

#### Searchable Record Types

- Building Permits 5-6699 through 7500 (if the permit is closed (may include septic layout))
- Elevation Certificates
- Fireworks Permits 1950-2007
- Sign Permits 1960-2009
- Stormwater Permits 2004-2012
- Temporary Use Permits 1980-2011

Permits are searchable by permit number, address or parcel number (PIN).

Historical Aerials are searchable by the following years:

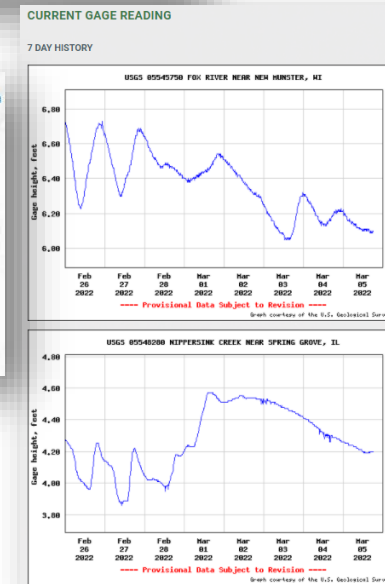
- 1954
- 1979
- 1986
- 1991
- 1995

Maps are searchable by year or map number, which are the first two numbers of the parcel number (PIN).

Example:  
PIN: 17-35-401-005  
Map Number: 17-35

If you wish to use a wildcard in any of your searches, use the asterisk (\*).

Search Results



## Series 300 – Points Earned

Activity	Difficulty	Funds Needed	Points
310 Elevation Certificates (CCMP)	Easy	No	38
320 Map Information Service	Easy	USPS vs. Email	90
330 Outreach Projects (OP)	Moderate	Printing & mailing, brochures - \$\$\$	50
340 Flood Hazard Disclosure (ODR & REB)	Easy	No	28
350 Flood Protection Information (LIB, LPD, WEB)	Easy (once completed)	No	84
TOTAL			290



# Series 400

Mapping and Regulations





# Series 400 – Points Earned

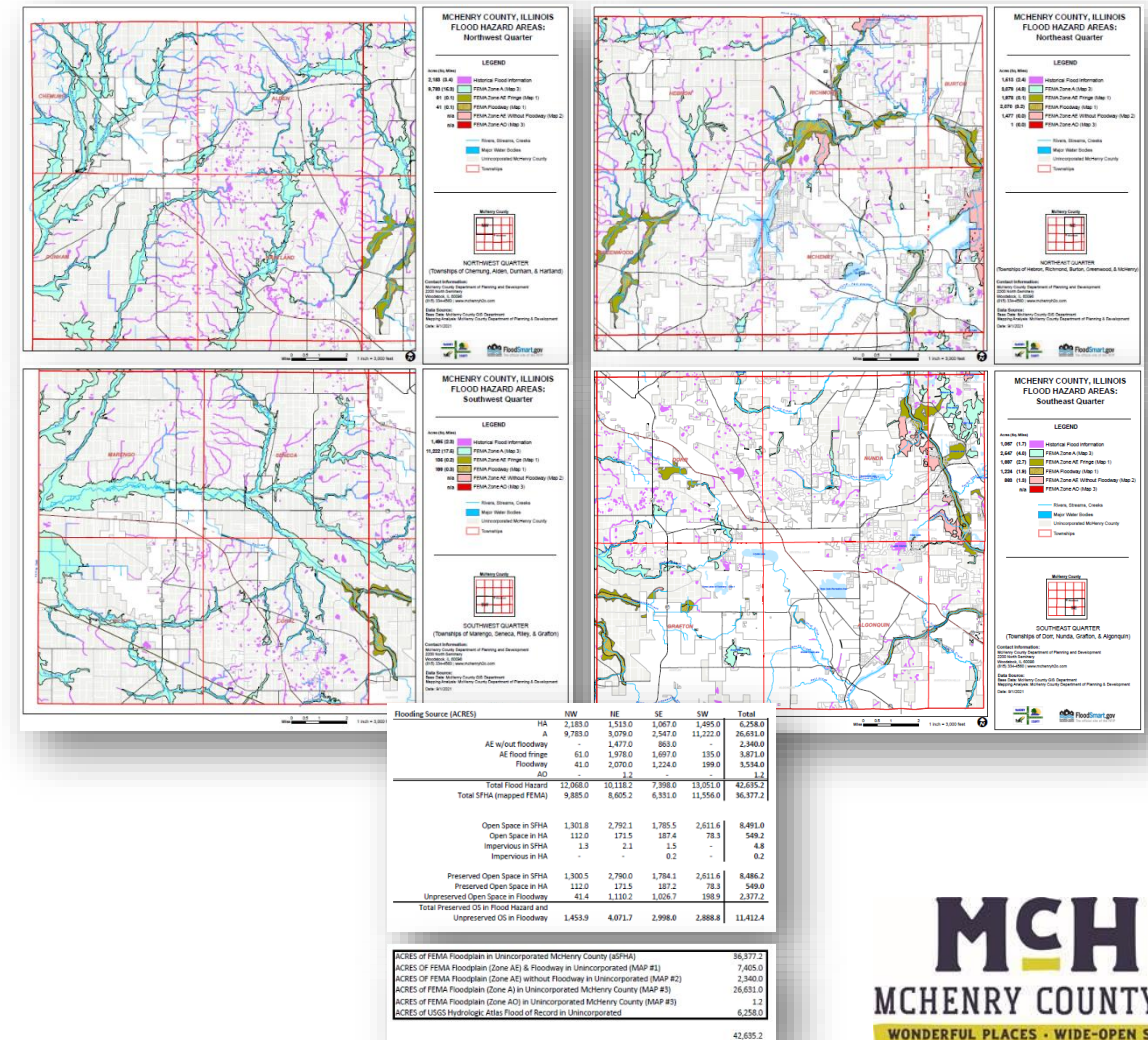
## Activity 410 – Floodplain Mapping

- Flood Hazard Mapping (MAP)
  - Floodway (SR & FWS credit)
  - State Review of AE Zones w/out FW (SR)
  - State Review of Approx. A Zones (SR)

412.a - e. Flood hazard mapping (MAP)

cMAP1 = (( NSI x LEVI ) + SRi + HSGi + FWSi ) x (MAPi )	
cMAP1 = ((     x     ) + 25 +     +     ) x 0.23	cMAP1 = 37.95
cMAP2 = ((     x     ) + 20 +     +     ) x 0.06	cMAP2 = 1.20
cMAP3 = ((     x     ) + 20 +     +     ) x 0.73	cMAP3 = 14.60
cMAP4 = ((     x     ) +     +     +     ) x     )	cMAP4 =     )
cMAP5 = ((     x     ) +     +     +     ) x     )	cMAP5 =     )
cMAP6 = ((     x     ) +     +     +     ) x     )	cMAP6 =     )
cMAP7 = ((     x     ) +     +     +     ) x     )	cMAP7 =     )
cMAP8 = ((     x     ) +     +     +     ) x     )	cMAP8 =     )
cMAP9 = ((     x     ) +     +     +     ) x     )	cMAP9 =     )
cMAP10 = ((     x     ) +     +     +     ) x     )	cMAP10 =     )
EMAP1 = the total of cMAP1 through cMAP10:	EMAP1 = 53.75

56 points



# Series 400 – Points Earned

## Activity 420 – Open Space Preservation

- Open Space Preservation (OSP)

MAP LOC REF ID	Map Quarter	OPEN SPACE DESCRIPTION (PARK NAME)	Letter Assigned (Y or N)	PARCEL OWNER	ADDRESS	PIN	TOTAL ACRES	IMPERVIOUS ACRES	OPEN SPACE ACRES	TYPE OF OPEN SPACE	FLOODWAY	DEED RESTRICTION	Natural Function (NFOS) (Y or N)	Note:
1	NW/NE	Allen-Sage Meadows	N	MCO	Endersburg Rd	02-15-200-005	523.7	0.00	523.7	Preserve	N	N	Y	Nipperess Creek
2	NE	Bayview Lane Sites	N	Land Community of Mcherry Co.	Bayview Lane	10-17-478-011	3.0	0.00	3.0	Preserve	N	N	Y	Prussian Lake
3	NE/SE	Beane Creek Conservation Area	N	MCO	945 Oak Springs Rd	02-25-200-012	108.2	0.00	108.2	Park	N	N	Y	Maple HA
4	NW	Bonsall	N	MCO	184515 Highway 14	07-20-200-001	471.4	0.44	471.4	Park	N	N	Y	Maple HA
5	NW	Community Forests Forest	N	MCO	22411 State Rd	09-13-200-062	3.2	0.00	3.2	Preserve	N	N	Y	Maple HA
6	SW	Care Woods	N	MCO	1706 Bennett	17-02-200-019	30.5	0.00	30.5	Park	N	N	Y	Maple HA
7	NW	Cowley Road	N	Land Community of Mcherry Co.	Cowley Road	02-29-200-003	8.4	0.00	8.4	Preserve	N	N	Y	Maple HA
8	SW	Deerpark Road site	N	Land Community of Mcherry Co.	1304 Deerpark Road	12-07-100-025	0.1	0.00	0.1	Preserve	N	N	Y	Maple HA
9	SE	Dowell Road site	N	Land Community of Mcherry Co.	Dowell Road	15-17-174-003	2.6	0.00	2.6	Preserve	N	N	Y	Tributary to Grounded Lake
10	SE	Duffield Pond	N	MCO	11750 Country Club	13-08-124-012	22.8	0.29	22.8	Park	N	N	Y	Maple HA
11	SE	Eastland Lake	N	MCO	10000 Lakeside Road	06-20-100-083	188.1	0.00	188.1	Park	N	N	Y	Eastland Lake
12	SE	Eastland Lake	N	MCO	11021 Lakeside Rd	10-21-400-011	137.4	0.00	137.4	Park	N	N	Y	Unimproved into Lake
13	SE	Farlow Park	N	MCO	1500 Crystal Lake	10-06-100-019	24.1	0.00	24.1	Park	N	N	Y	Maple HA
14	SE	Free Bluff	N	MCO	City Station 8	10-10-001-001	0.0	0.00	0.0	Park	Partion	N	Y	Maple HA
15	NE	Gravel Park	N	MCO	Route 11 & Harts	04-10-400-001	1304.2	1.34	1302.9	Park	Partion	N	Y	Nipperess Creek
16	NE	Gravel Park	N	MCO	W. Hwy 17	07-10-200-011	124.1	0.00	124.1	Preserve	N	N	Y	Gravel Park
17	NE	Gravel Park	N	MCO	Gravel Park Dr	05-06-501-002	0.0	0.00	0.0	Preserve	N	N	Y	Maple HA
18	NE	Harmon Farm	N	MCO	MacArthur Lake Road	06-17-100-001	7.7	0.00	7.7	Preserve	N	N	Y	Maple HA
19	NW	Harmon Farm	N	MCO	Lincoln Rd	07-06-500-064	0.3	0.00	0.3	Preserve	N	N	Y	Maple HA
20	NE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
21	NE	Harmon Farm	N	MCO	Large Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
22	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
23	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
24	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
25	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
26	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
27	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
28	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
29	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
30	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
31	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
32	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
33	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
34	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
35	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
36	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
37	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
38	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
39	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
40	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
41	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
42	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
43	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
44	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
45	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
46	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
47	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
48	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
49	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
50	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
51	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
52	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
53	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
54	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
55	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
56	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
57	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
58	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
59	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
60	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
61	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
62	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
63	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
64	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
65	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
66	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
67	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
68	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
69	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
70	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
71	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
72	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
73	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
74	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
75	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
76	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
77	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
78	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
79	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
80	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
81	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
82	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
83	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
84	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
85	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
86	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
87	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
88	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
89	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
90	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
91	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
92	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
93	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
94	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
95	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
96	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
97	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
98	SE	Harmon Farm	N	MCO	Freeman Road	09-06-500-007	86.3	0.00	86.3	Preserve	N	N	Y	Maple HA
99	SE	Harmon Farm	N	MCO	Freeman Road	09-11-200-004	2.8	0.00	2.8	Park	N	N	Y	Maple HA
100	SE													



# Series 400 – Points Earned

## Activity 420 – Open Space Preservation

- Deed Restrictions (DR)

MAP LOC REF ID	Map Quarter 1	OPEN SPACE DESCRIPTION (PARCEL NAME)	Letter Assigned (Y or N)	PARCEL OWNER	ADDRESS	PIN	TOTAL ACRES	IMPERVIOUS ACRES	OPEN SPACE ACRES	TYPE OF OPEN SPACE	FLOODWAY	DEED RESTRICTION	Natural Function (NF) (Y or N)	Notes:
1	NW/NE	Allen-Sage Meadows	N	MCO	Endersbee Rd	02-13-200-005	523.7	0.00	523.7	Preserve	N	N	Y	Nipperess Creek
2	NE	Bayview Lane Site	N	Land Community of Mchenry Co	Bayview Lane	10-17-478-011	3.0	0.00	3.0	Preserve	N	N	Y	Princeton Lake
3	NE/SE	Beane Creek Conservation Area	N	MCO	945 Oak Springs Rd	02-23-200-012	108.2	0.00	108.2	Park	N	N	Y	Maytag HA
4	NW	Bonsall	N	MCO	184315 Highway 14	07-20-200-093	474.4	0.44	474.4	Park	N	N	Y	Maytag HA
5	NW	Community Forest Park	N	MCO	22411 State Rd	09-13-200-062	3.2	0.00	3.2	Preserve	N	N	Y	Maytag HA
6	SW	Care Woods	N	MCO	1206 Bennett	17-02-200-019	30.5	0.00	30.5	Preserve	N	N	Y	Maytag HA
7	NW	Cowley Road	N	Land Community of Mchenry Co	Cowley Road	02-29-200-063	8.4	0.00	8.4	Preserve	N	N	Y	Maytag HA
8	SW	Deerpark Road site	N	Land Community of Mchenry Co	1304 Deerpark Road	12-07-200-022	0.1	0.00	0.1	Preserve	N	N	Y	Maytag HA
9	SE	Dowell Road site	N	Land Community of Mchenry Co	Dowell Road	15-17-276-003	2.6	0.00	2.6	Preserve	N	N	Y	Tributary to Ground Lake
10	SE	Duffield Pond	N	MCO	11750 Country Club	13-08-218-012	22.8	0.29	22.8	Park	N	N	Y	Maytag HA
11	NE	Easton Lake	N	MCO	10001 Lakeside Road	06-03-201-083	188.1	0.00	188.1	Park	N	N	Y	Easton Lake
12	SE	Easton Marsh	N	MCO	Lindwood & Miller Roads	10-23-400-011	137.4	0.00	137.4	Park	N	N	Y	Unimproved trls to Easton Lake
13	SE	Fedro B&B	N	MCO	1520 Crystal Lake Road	10-06-100-019	24.1	0.00	24.1	Park	N	N	Y	Unimproved trls to the River
14	SE	Free Bluff	N	MCO	City Station & B	10-23-400-081	8.8	0.00	8.8	Park	Partial	N	Y	Unimproved trls to the River
15	NE	Garfield Park	N	MCO	Route 31 & Harris	04-29-400-061	1304.2	1.34	1302.9	Park	Partial	N	Y	Nipperess Creek
16	NE	Golden Lake	N	MCO	W. Hwy 17	07-20-200-011	124.1	0.00	124.1	Preserve	N	N	Y	Golden Lake
17	NE	Grasslands Wetlands	N	MCO	Grant Oak Dr	05-26-301-062	0.9	0.00	0.9	Preserve	N	N	Y	Maytag HA
18	NE	Harrison Wetland	N	MCO	MacArthur Lake Road	09-17-210-043	7.7	0.00	7.7	Preserve	N	N	Y	Maytag HA
19	NW	Hawthorn Township	N	MCO	Linton Rd	07-09-300-064	0.3	0.00	0.3	Preserve	N	N	Y	Maytag HA
20	NE	Hawthorn Township	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Preserve	N	N	Y	Hawthorn Creek
21	NE	Hawthorn Trl	N	MCO	Lodge Road	05-11-200-064	2.8	0.00	2.8	Trail	N	N	Y	Hawthorn Creek
22	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
23	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
24	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
25	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
26	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
27	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
28	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
29	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
30	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
31	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
32	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
33	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
34	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
35	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
36	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
37	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
38	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
39	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
40	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
41	SE	Hawthorn Trl	N	MCO	Freeman Road	09-06-300-067	86.3	0.00	86.3	Trail	N	N	Y	Hawthorn Creek
42	SW	Road Farm Road site	N	Land Community of Mchenry Co	Road Farm Road	12-12-200-011	12.4	0.00	12.4	Preserve	N	N	Y	Franklinville Creek
43	NW	Rock Creek	N	MCO	10001 Lakeside Road	06-03-201-083	188.1	0.00	188.1	Park	N	N	Y	Rock Creek
44	SE	Stark Creek	N	MCO	10001 Lakeside Road	06-03-201-083	188.1	0.00	188.1	Park	N	N	Y	Stark Creek
45	NE	Strong Grove Park	N	MCO	US Route 17	09-30-276-003	34.0	0.00	34.0	Preserve	Partial	N	Y	Nipperess Creek
46	SE	Stony Run	N	MCO	1216 West State Park	14-11-100-007	111.4	0.00	111.4	Park	N	N	Y	Stony Run
47	SE	The Meadows	N	MCO	3004 US Highway 14	19-11-100-017	15.8	0.00	15.8	Park	N	N	Y	Unimproved trls to the River
48	NE	Tracy Creek Corridor	N	MCO	Op Rd Dr	06-31-301-025	0.3	0.00	0.3	Preserve	N	N	Y	Tracy Creek
49	NE	Viper Bog	N	MCO	Bay Road	19-20-200-005	46.8	0.00	46.8	Preserve	N	N	Y	Lake activity
50	NW/NE	Winning Creek	N	MCO	8415 Johnson Road	02-10-200-061	104.0	0.00	104.0	Park	N	N	Y	Nipperess Creek
51	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
52	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
53	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
54	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
55	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
56	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
57	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
58	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
59	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
60	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
61	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
62	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
63	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
64	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
65	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
66	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
67	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
68	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
69	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
70	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
71	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
72	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
73	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
74	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
75	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
76	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
77	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
78	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
79	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
80	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
81	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
82	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
83	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
84	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
85	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
86	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
87	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
88	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
89	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
90	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
91	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
92	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
93	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-013	18.3	0.00	18.3	Preserve	N	N	Y	Unimproved trls to the River
94	NW	Winning Road	N	Land Community of Mchenry Co	Lincoln Road	07-08-200-0								



# Series 400 – Points Earned

## Activity 420 – Open Space Preservation

- Natural Functions Open Space (NFOS)

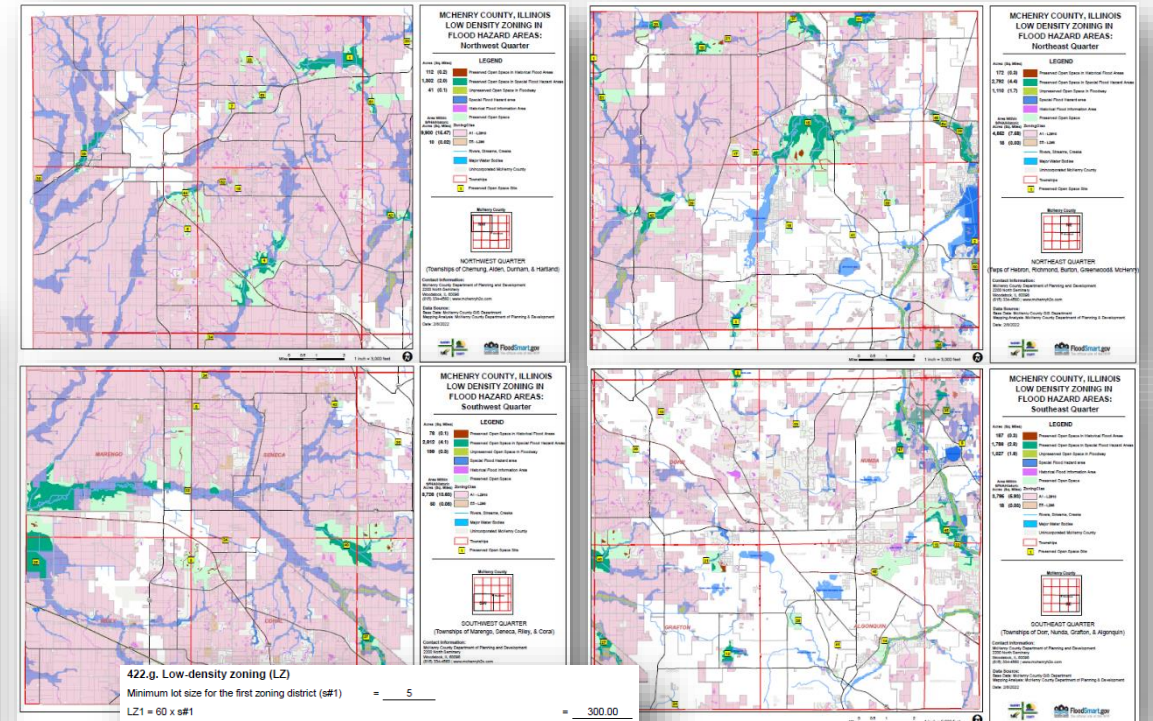
MAP LOC REF ID	Map Quarter 1	OPEN SPACE DESCRIPTION (PARCEL NAME)	Letter Assigned (Y / N)	PARCEL OWNER	ADDRESS	PIN	TOTAL ACRESAGE Located in the Flood Hazard	OPEN SPACE ACRESAGE Located in the Flood Hazard	TYPE OF OPEN SPACE	FLOODWAY	DEED RESTRICTION	Natural Function Open Space (NFOS) Potential (Y or N)	Notes:
1	NW/NE	Alden Seige Machine	N	MOCD	Endersbee Rd	02-15-200-005	523.7	0.00	523.7	Preserve	N	N	Nipperon Creek
2	NE	Bayview Lane Site	N	Land Community of McHenry Co.	Bayview Lane	10-17-478-011	3.0	0.00	3.0	Preserve	N	Y	Potential Lake
3	NE/SE	Beane Creek Conservation Area	N	MOCD	945 Oak Springs Rd	02-25-200-012	108.2	0.00	108.2	Park	N	N	Maple Hill
4	NW	Bonsallville	N	MOCD	184511 Highway 14	07-20-200-001	471.4	0.00	471.4	Park	N	N	Maple Hill
5	NW	Community Forest Park	N	MOCD	20411 31st Rd	09-13-200-062	3.2	0.00	3.2	Preserve	N	N	Maple Hill
6	SW	Care Woods	N	MOCD	1700 Vermont	17-02-200-010	30.3	0.00	30.3	Park	N	N	Maple Hill
7	NW	Crookway Road	N	Land Community of McHenry Co.	Crookway Road	02-09-103-003	8.4	0.00	8.4	Preserve	N	N	Maple Hill
8	SW	Deerpark Road site	N	Land Community of McHenry Co.	1304 Deerpark Road	12-07-100-010	0.1	0.00	0.1	Preserve	N	N	Maple Hill
9	SE	Dowell Road site	N	Land Community of McHenry Co.	Dowell Road	15-17-174-000	2.6	0.00	2.6	Preserve	N	N	Tributary to Grounded Lake
10	SE	Duffield Pond	N	MOCD	11750 Country Club	13-08-124-012	22.8	0.00	22.8	Park	N	N	Maple Hill
11	NE	Eastman Lake	N	MOCD	10800 Lakeside Road	06-20-101-000	188.1	0.00	188.1	Park	N	N	Eastman Lake
12	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
13	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
14	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
15	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
16	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
17	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
18	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
19	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
20	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
21	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
22	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
23	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
24	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
25	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
26	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
27	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
28	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
29	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
30	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
31	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
32	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
33	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
34	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
35	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
36	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
37	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
38	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
39	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
40	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
41	SE	Eastman Lake	N	MOCD	10800 Lakeside Road	10-21-400-011	137.4	0.00	137.4	Park	N	N	Eastman Lake
42	SW	Road Farm Road site	N	Land Community of McHenry Co.	Road Farm Road	12-12-100-011	12.4	0.00	12.4	Preserve	N	N	Potential Lake
43	NW	Rock Creek	N	MOCD	10000 Highway 14	06-20-100-001	180.7	0.00	180.7	Park	N	N	Rock Creek
44	SE	Rock Creek	N	MOCD	10000 Highway 14	17-11-400-001	208.0	0.00	208.0	Park	N	N	Rock Creek
45	NE	Strong Grove Park	N	MOCD	10000 Highway 14	09-10-174-001	340.0	0.00	340.0	Preserve	N	N	Rock Creek
46	SE	Strong Grove Park	N	MOCD	10000 Highway 14	09-10-174-001	340.0	0.00	340.0	Preserve	N	N	Rock Creek
47	SE	Strong Grove Park	N	MOCD	10000 Highway 14	09-10-174-001	340.0	0.00	340.0	Preserve	N	N	Rock Creek
48	NE	Tracy Creek Corridor	N	MOCD	10000 Highway 14	09-10-174-001	340.0	0.00	340.0	Preserve	N	N	Rock Creek
49	NE	Tracy Creek Corridor	N	MOCD	10000 Highway 14	09-10-174-001	340.0	0.00	340.0	Preserve	N	N	Rock Creek
50	NE	Tracy Creek Corridor	N	MOCD	10000 Highway 14	09-10-174-001	340.0	0.00	340.0	Preserve	N	N	Rock Creek
51	NW/NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
52	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
53	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
54	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
55	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
56	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
57	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
58	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
59	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
60	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
61	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
62	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
63	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
64	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
65	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
66	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
67	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
68	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
69	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
70	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
71	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
72	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
73	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
74	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
75	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
76	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
77	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
78	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
79	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
80	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
81	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
82	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
83	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
84	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
85	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
86	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
87	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
88	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
89	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
90	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
91	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
92	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
93	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
94	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
95	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
96	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
97	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
98	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
99	NW	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001	104.0	0.00	104.0	Park	N	N	Nipperon Creek
100	NE	Winning Creek	N	MOCD	8415 Johnson Road	02-10-200-001							

## Activity 420 – Open Space Preservation

- Low-density Zoning (LZ)

[illegible]

# 348 points



422.g. Low-density zoning (LZ)

Minimum lot size for the first zoning district (s#1)

LZ1 = 60 x s#1

Verified 10 largest LZ1 sites (area)	=	96.54
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Verified remaining LZ1 sites (area) = \_\_\_\_\_

Area of low density zoning district #1 (aLZ1)

$$\text{Impact adjustment ratio} = rLZ1 = \frac{aLZ1}{aLZ0} = \frac{96.54}{100} = 0.9654$$

aSFHA	36,377.00
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$$cLZ1 = LZ1 \times rLZ1$$


Minimum lot size for the first zoning district (s#2) = 10

LZ2 = 60 x s#2

Verified 10 largest LZ2 sites (area)	=	<u>20,575.38</u>
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Verified remaining LZ2 sites (area)	=	4,138.43
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Area of low density zoning district #1 (aLZ2)

$$\text{Impact adjustment ratio} = r_{LZ2} = \frac{a_{LZ2}}{a_{LZ1}} = \frac{21,084.11}{100,000} = 0.2108411$$

aSFHA	36,377.00
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$$cLZ2 = LZ2 \times rLZ2$$

# Series 400 – Points Earned

## Activity 430 – Higher Regulatory Standards

- Development Limitations (DL)
- Stormwater Ordinance
- Sample Permits
- Narratives
- Freeboard (FRB)
- Cumulative Substantial Improvements (CSI)

Substantial Improvement/Damage Tracker (50% Rule)									
DATE	PIN	ADDRESS	PROPERTY OWNER	PERMIT	STRUCTURE VALUE	Current Improvement	% Current Improvement	Previous Total % Improvement	5-YR Total % Improvement
1/24/2017	15-18-379-009	1728 W. Wright Road, McHenry	Donald Bolton	J-7148	65,715.00	2,800.00	4.3%	0.8%	5.1%
3/2/2017	14-12-454-011	2425 W. Riverside Drive, McHenry	Donald Allen	J-8871	97,491.00	1,184.00	1.2%	0.8%	2.0%
3/8/2017	12-27-105-011	16702 Kunde Road, Union	Alberto Aguilar	J-7228	389,111.00	2,500.00	0.6%	0.0%	0.6%
4/6/2017	09-24-033-015	1800 Shorewood Drive, McHenry	Steve Robinson	J-7322	113,100.00	4,200.00	3.7%	0.0%	3.7%
5/13/2017	10-19-826-016	1004 Blumer Parkway, Fox River Grove	Mark Hawkins	J-7505	113,754.00	800.00	0.7%	0.0%	0.7%
6/13/2017	14-01-377-003	808 Laguna Drive, McHenry	Jerald Huston	J-7493	171,011.00	84,543.58	49.4%	0.0%	49.4%
6/14/2017	19-24-276-022	104 Beach Drive, Fox River Grove	David Pericabosco	J-7496	107,876.00	48,414.00	45.0%	0.0%	45.0%
6/21/2017	09-24-252-025	1903 Shorewood Drive, McHenry	Thank Tran	J-7564	69,081.00	29,000.00	42.0%	0.0%	42.0%
7/6/2017	09-24-203-041	2712 Shorewood Drive	Phillip Kneely	J-7605	96,389.00	35,400.00	36.8%	0.0%	36.8%
7/13/2017	09-24-203-046	1710 Shorewood Drive	Chris Corder	J-7631	278,481.00	1,473.00	0.5%	0.0%	0.5%
8/23/2017	10-05-278-013	1010 Sydenham Street, Spring Grove	Kelly Binkowski	SW17-0096	96,771.00	4,713.80	4.9%	2.8%	7.7%
9/25/2017	09-36-155-038	602 Country Club Drive, McHenry	Robert Jensen	J-6918	99,196.16	42,137.63	42.5%	0.0%	42.5%
10/4/2017	09-24-252-025	1903 Shorewood Drive, McHenry	Thank Tran	J-7899	69,081.00	3,491.00	5.1%	42.0%	47.1%
10/4/2017	14-13-227-011	1130 Colby Drive, McHenry	Theresa Fischer	J-7669	223,505.00	109,313.00	48.9%	0.0%	48.9%



McHenry County, Illinois  
Stormwater Management Ordinance  
January 20, 2004

Amended:  
April 15, 2008  
October 19, 2010  
March 15, 2011  
April 15, 2014  
December 1, 2014

**432.a. Development Limitations (DL)**

**Prohibition of fill (DL 1):**

Prohibition of all fill (DL 1a)

No ordinance code available.

The county does allow fill within the flood hazard area.

Compensatory storage (DL 1b)

Article VI.C.13 Compensatory Storage Volume Standards

The county requires compensatory storage within all flood hazard areas and flood prone areas. The compensatory storage is at a 1.5:1 hydraulic equivalent ratio in riverine areas and a 1:1 ratio in non-riverine or depositional areas.

**Examples:**

SW19-0031 Fox River Grove School  
J-8067 Bravehearts  
K-0263 Gerasco  
J-8513 Medinger  
K-1023 Fruhauff (Flood Prone Area)

**Prohibition of Buildings (DL 2):**

We allow buildings in the FEMA floodplain, provided they meet the compensatory storage requirements of the SMO. The county prohibits construction of new buildings within the Floodway portion of the SFHA only (see the below SMO Articles). However, it was noted in the 2016 CRS Cycle Visit that we cannot obtain credit for this since we obtained credit under the OSP section.

**Permit Example Submittal: Activity 430**

Permit Number	Applicant Name	Date Permit Approval	Compensatory Storage	Floodplain Construction	Substantial Improvement	Overland Flow Paths	Inspection Reports	Non-Conversion Agreement	Historical Floodplain/Floodprone
SW17-0059	Zelnike	8/8/2017				X			
SW17-0090	Spangoren	9/21/2017				X			
J-7957	Eposito	2/20/2018		X (FRB)	X			X	
J-8067	Bravehearts	4/4/2018	X	X			X		
J-8513	Medinger	10/4/2018	X	X (FRB)			X		
SW19-0031	Fox River Grove School	1/17/2020	X	X			X		
J-9974	Stanford	4/17/2020		X (FRB)	X		X		
K-0263	Gerasco	9/17/2020	X	X (FRB)				X	
K-1023	Fruhauff	12/11/2020	X	X			X		X

**432.c Foundation Protection (FDN)**

**FDN1: All new buildings in regulatory floodplain**

a) Must be constructed on foundations that are designed and sealed by a registered design professional.

- No credit: the SMO does not specify that a licensed professional shall prepare plans (IBC/IRC probably does though).

b) Must not be constructed on fill

- No credit: we allow new structures to be constructed on fill

**FDN2: All new buildings constructed on fill in floodplain**

a) Must be constructed on properly designed and compacted fill:

- Yes: Article VI.C.11.b.i.ii (page 62 of the SMO): "Fill shall be placed following the FEMA guidelines for ensuring that buildings placed on fill (FEMA Technical Bulletin 10-01, or current guidelines) are reasonably safe from flooding, except where the requirements of this Ordinance exceed FEMA guidelines".

b) Must be on fill that has appropriate protection from erosion and scour

- No credit: Our ordinance does not specify protection from erosion and scour.

c) Must meet Compensatory Storage

- Yes (Article VI.C.13)

"The following requirements apply to all regulated development resulting in flood storage volume lost or displaced due to the placement of fill, materials, or structures in a flood hazard area, or due to draining a depressional storage area."

**432.d Cumulative Substantial Improvements (CSI)**

**Substantial Improvement (CSI-1b)**

The county enforces 5-year cumulative for substantial damage improvements costs.

"The repair or improvement of a building shall be considered a substantial improvement if either of the following criteria is met: (1) The cost of a single project or the value of damage caused by a single event equals or exceeds 50 percent of the market value of the building before the improvement or repair is started; or (2) The cumulative cost of two or more projects requiring a building permit of a stormwater management permit over a 5 year period equals or exceeds 50 percent of the market value of the building tracked on a percentage basis for each project. (Article VI.C.12.a)

**Substantial Repair (CSI-2b)**

County enforces 5-year cumulative for substantial repair costs.

"The repair or improvement of a building shall be considered a substantial improvement if either of the following criteria is met: (1) The cost of a single project or the value of damage caused by a single event equals or exceeds 50 percent of the market value of the building before the improvement or repair is started; or (2) The cumulative cost of two or more projects requiring a building permit of a stormwater management permit over a 5 year period equals or exceeds 50 percent of the market value of the building tracked on a percentage basis for each project. (Article VI.C.12.a)

**Cost of Compliance (CSI-3)**

No points

**Additions protected from base flood (CSI-4)**

All additions must meet building protection standards even if the development is not considered a substantial improvement/damage.

**Article VI.C.11: Building Protection Standards for Flood Hazard Areas**

The following requirements apply to: all new buildings, building additions, and substantial improvements located within a floodplain; and to all new buildings and building additions in a flood prone area after December 1, 2014 that increase total enclosed area below the BFE by more than 600 square feet. These requirements apply to a building within a mapped floodplain until a LDMC is obtained from FEMA.

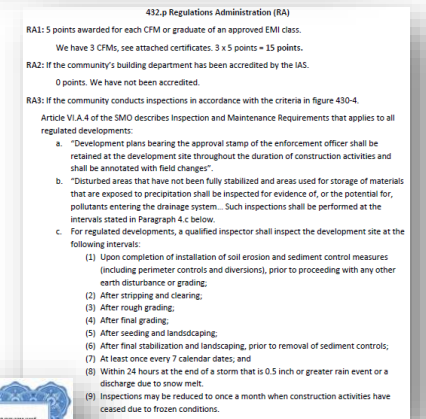
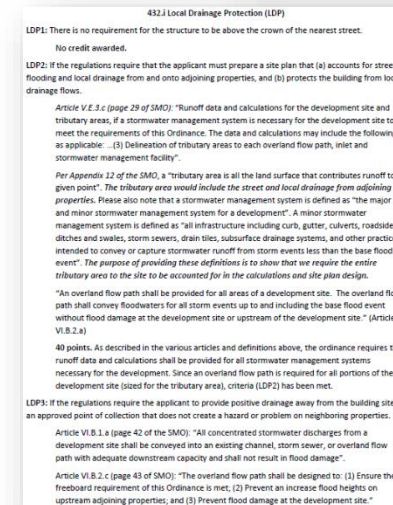
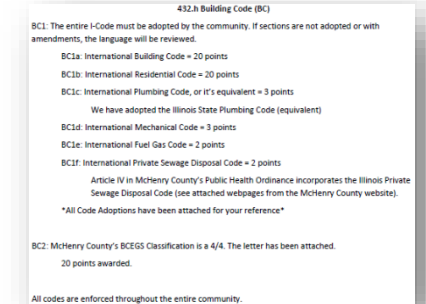
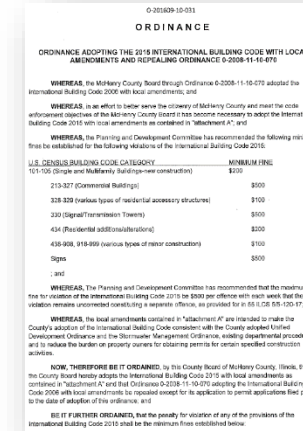


# Series 400 – Points Earned

## Activity 430 – Higher Regulatory Standards

- Building Code (BC)
- Local Drainage Protection (LDP)
- Regulations Administration (RA)

# 542 points

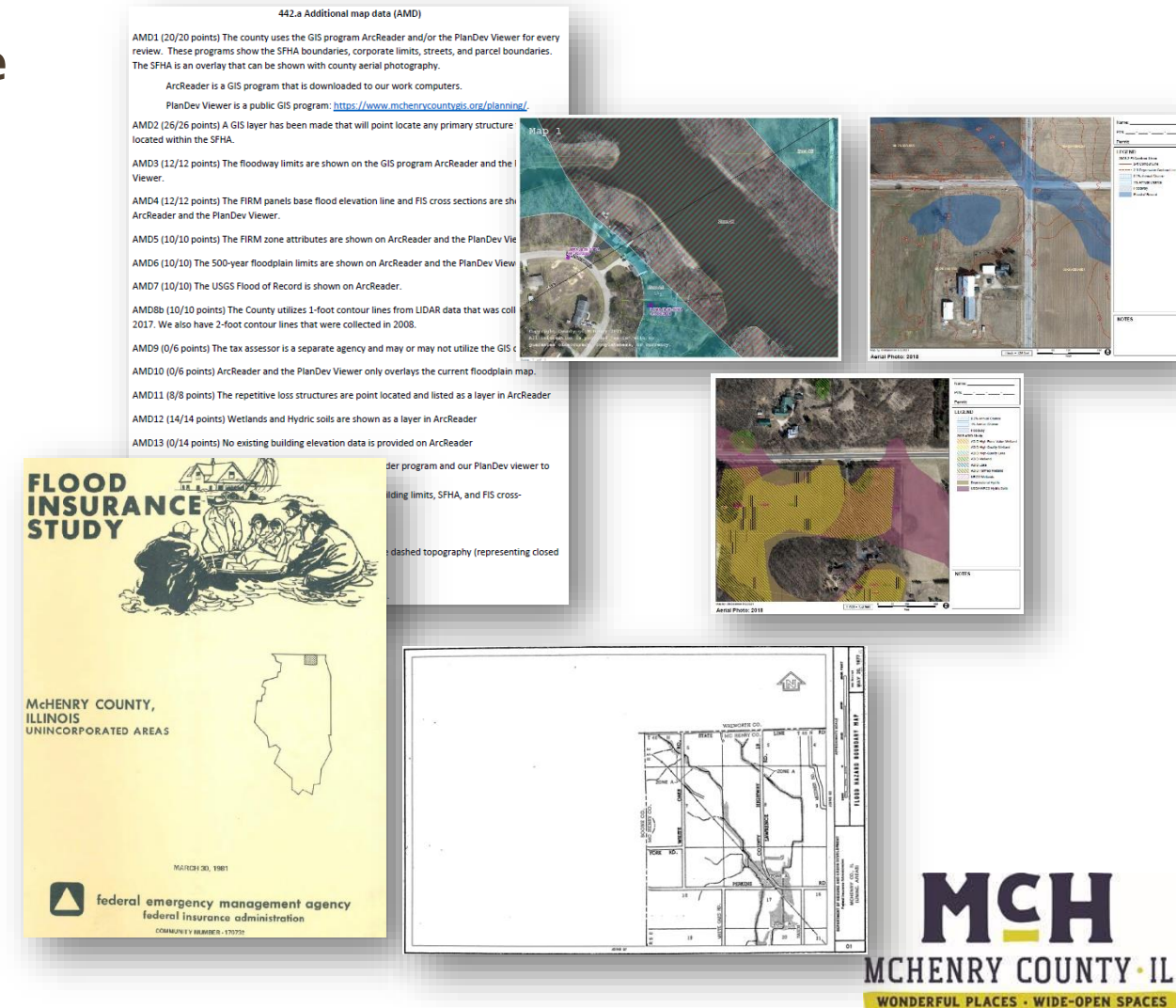


# Series 400 – Points Earned

## Activity 440 – Flood Data Maintenance

- Additional Map Data (AMD)
  - Public - PlanDev Viewer on website
  - Internal - ArcReader
- FIRM Maintenance (FM)
  - Paper copies
  - FEMA Map Service Center

155 points



# Series 400 – Points Earned

## Activity 450 – Stormwater Management

- Stormwater Mgmt. Regulations (SMR)

- Stormwater Ordinance
- Sample Permits
- CRS Checklist / Narrative

- Erosion and Sedimentation Control Regulations (ESC)

- Water Quality Regulations (WQ)

149 points



McHenry County, Illinois

### Stormwater Management Ordinance

January 20, 2004

#### 452 Elements

##### 452.a. Stormwater management regulations (SMR)

SMR 1

Size of development (SZ):

Design storms used in regulations (DS):

Peak: 150

Volume: 0

Low-impact development (LID):

Public maintenance of required facilities (PUB):

Area of watershed that is regulated by the SMR regulations (aSMR):

Total area of the watershed (aW)

Impact adjustment ratio =  $\frac{aSMR}{aW} = \frac{50.00}{100.00} = 0.50$

Verified ratio =  $\frac{\text{Number passed}}{\text{Number sampled}} = \frac{5}{5} = 1.00$

cSMR 1 = SMR x cSMR x Verified ratio

cSMR 1 = 92.50

Stormwater Management Regulations - Activity 450				
Permit Number	Applicant Name	Date Permit Approved	Pre-Development Runoff (cfs)	Post-Development Runoff (cfs)
SW2017-0013	Nierman	4/25/2017	2.03	0.4
SW2017-0099	Steinhauer/Bodnar	9/27/2017	4.8	1.27
SW2019-0040	Spinolas	7/31/2019	0.41	0.22
SW2020-0033	Delong Co Inc.	6/10/2020	2.61	0.55
K-0712	S G Develop Ent	8/14/2020	Basin 1 Expanded = 3.54 Basin 3 = 2.11	Basin 1 Expanded = 0.61 Basin 3 = 0.39

#### 1. SZ documentation

This worksheet is for SMR 1

Section or page number that shows: ILATED (i.e., size of development or disturbed area) (e.g., single-family acre, etc.)

Impervious, stormwater storage shall be required for a regulated development pervious area..." (Article 17.B.3.a.1 - page 46)

SMO as: "Impervious surface area created on January 20, 2004. Page 143 of the SMO

Design manual with the above referenced sections to search and mark on this copy of the document. If number noted, provide the website below.

available online, provide the website below.

public document 7972/63740533188527000

If any development larger than 5 acres or new impervious surface greater than 20,000 square feet is exempt from stormwater management regulation there is no credit, i.e., SMR = 0.

2. DS documentation

Attach a copy of the regulation or design manual that describes the event(s) the developer's engineer must use to demonstrate that the post-development flow will be no greater than the pre-development flow for the area being disturbed. If you do not require control of the 10-year

#### 7. Water Quality Protection

In addition to other applicable Runoff Control Performance Standards, the following requirements apply to all regulated development, except regulated development authorized by a General Permit.

452.a. Water Quality Regulations (WQ)

Water quality treatment shall be provided for all regulated development.

Impervious areas:

(1) All sites shall provide water quality treatment designed for water quality

(2) On highly impervious developed and non-residential development designed to remove both of the stormwater runoff requirement may be met increased impervious area or into a catch basin fitted methods providing a similar be approved by the Engineer

(3) In Public Road Development designed to direct as much area as possible through into a catch basin before Alternate treatment methods may be approved by the Engineer

b. Appropriate pre-treatment shall be provided for stormwater runoff directed to new or existing Class V injection well.

c. Appropriate pre-treatment shall be provided for stormwater runoff directed to infiltration based practices in areas designated as High or Moderately High Potential for Aquifer Recharge/Contamination on the McHenry County Sensitive Aquifer Recharge Areas Map.

The county requires that development sites that are 1 acre or greater meet the County's RVR Hierarchy (BMPs) that improve water quality.

In addition to other applicable Runoff Control Performance Standards, the following requirements apply to Major Development, Public Road Development and Mining Development disturbing 1 acre or more." Article VI. Section B. Runoff Control 6.

Additionally, under Article VI.B.7.a.(1) of the ordinance, "all sites shall provide water quality treatment using existing or proposed best management practices or green infrastructure methods specifically designed for water quality treatment"

Appendix 12 of the SMO defines a best management practice as "... Land planning and engineered practices designed to reduce soil erosion, sediment deposition, and water quality impacts of development"

Appendix 12 of the SMO defines green infrastructure as "Any stormwater management technique or practice that reduces runoff volume through preserving, restoring, utilizing, or enhancing the processes of infiltration, evapotranspiration, and reuse. Approaches may include, but not be limited to, green roofs, naturalized detention facilities, trees and tree boxes, rain gardens, vegetated ditches, wetlands, infiltration planters, porous and permeable pavements, porous piping systems, dry wells, vegetated median strips, reforestation/vegetation, rain barrels and cisterns, and protection and enhancement of riparian buffers and floodplains."

Under Article III.A.3.a.(1), for a General Permit 1 (page 11 of the SMO), it states that "disturbance of vegetation shall be kept to a minimum during construction to prevent erosion and sedimentation. The Enforcement Officer may add requirements or conditions as necessary to control soil erosion and sedimentation".



## Series 400 – Points Earned

Activity	Difficulty	Funds Needed	Points
410 Flood Hazard Mapping	Moderate	No	56
420 Open Space Preservation	Hard	No	880
430 Higher Regulatory Standards	Easy	No	542
440 Flood Data Maintenance	Easy	No	155
450 Stormwater Management	Easy	No	149
TOTAL			1,782



# Series 500

Flood Damage Reduction Activities



# Series 500 – Points Earned

## Activity 501 – Repetitive Losses

- Category C (50 or more properties)
  - CC-RL Submittal
  - Rep Loss Area Maps (24)
  - Rep Loss Narrative
  - List of Addresses in Areas (Excel spreadsheet)
  - Annual Outreach (599 properties)

DEPARTMENT OF HOMELAND SECURITY  
Federal Emergency Management Agency  
CRS COMMUNITY CERTIFICATIONS

Community: McHenry County State: IL CIP: 170732  
(6-digit NIP Community Identification Number)

CC-RL The Repetitive Loss List  
(See Section 501 in the CRS Coordinator's Manual)

☒ We have reviewed the repetitive loss list dated: July 18, 2021, and (check one)  
☒ Attached are updated Repetitive Loss Update Forms, or  
☐ There are no changes to FEMA's repetitive loss list.

As the current CRS Coordinator for McHenry County, I have examined the repetitive loss list provided for each of our 71 (inserted) assigned repetitive loss properties. For each property in need of update, I have attached a Repetitive Loss Update Form that reflects the current and accurate address, the current National Flood Insurance Program (NFIP) community identification number, and known mitigation actions with the primary source of flooding risk. To the best of my knowledge and belief, any Repetitive Loss Update Forms are updated and submitted as part of this application has been checked and is in need of update at this time.

Signature: [Signature] (Community CRS Coordinator)

To facilitate verification, please provide the names of the CRS Coordinator and local repetitive loss contact person, if other than the CRS Coordinator

CRS Coordinator		Repetitive Loss Contact	
Name	Joanna Collett	Name	Joanna Collett
Title	Water Resources Manager	Title	Water Resources Manager
Phone number	815-334-4580	Phone number	815-334-4580
Fax number		Fax number	
Address	2300 N. Seminary Ave., Suite 208 Woodstock, IL 60098	Address	2300 N. Seminary Ave., Suite 208 Woodstock, IL 60098
E-mail address	jcollett@mcHenrycountyil.gov	E-mail address	jcollett@mcHenrycountyil.gov

Comments:  
(Attached are 34 forms to be updated in the Repetitive Loss database)

CC-RL

FEMA FORM 360-0-05A (10/20) Page 9 of 11



McHenry County  
Department of Planning and Development  
667 Ware Road, Woodstock, Illinois 60098  
Tel: 815-334-4560 Fax: 815-334-4561

August 5, 2021

Dear Resident:

You are receiving this letter because your property is located in an area that has flooded several times. McHenry County is concerned about repetitive flooding and has an active program to help you protect yourself and your property from future flooding, but here are some things you can do:

1. Check with the McHenry County Department of Planning & Development (P&D) on the extent of past flooding in your area. Department staff can tell you about the causes of repetitive flooding, what the county is doing about it, and what would be an appropriate flood protection level. The staff can visit your property to discuss flood protection alternatives.
2. Prepare for flooding by doing the following:
  - Know the flood safety guidance on the last page of this letter.
  - Know how to shut off the electricity and gas to your house when a flood comes.
  - Make a list of emergency numbers and identify a safe place to go to.
  - Make a household inventory, especially of basement contents.
  - Put insurance policies, valuable papers, medicine, etc. in a safe place.
  - Collect and put cleaning supplies, camera, waterproof boots, etc. in a handy place.
  - Develop a disaster response plan - See the Red Cross' website at [www.redcross.org](http://www.redcross.org) for information about preparing your home and family for a disaster.
  - Download a copy of *Repairing Your Flooded Home* from the Red Cross' website at [www.redcross.org/resource/disaster-safety-library](http://www.redcross.org/resource/disaster-safety-library).
3. Consider some permanent flood protection measures.
  - Mark your fuse or breaker box to show the circuits to the floodable areas. Turning off the power to the basement can reduce property damage and save lives.
  - Consider elevating your house above flood levels.
  - Check your building for water entry points, such as basement windows, the basement stairwell, doors, and dryer vents. These can be protected with low walls or temporary shields.
  - Install a floor drain plug, standpipe, overhead sewer, or sewer backup valve to prevent sewer backup flooding.
  - More information can be found in *Homeowner's Guide to Retrofitting: Six Ways to Protect Your House from Flooding* at [www.fema.gov/media-library/download-file/fema403](http://www.fema.gov/media-library/download-file/fema403).
  - Note that some flood protection measures may need a building permit and others may not be safe for your type of building, so be sure to consult with P&D.

CRS - ACTIVITY 503 (Repetitive Loss Areas)  
McHenry County - Repetitive Flood Loss Areas - July 2016  
Date: 7/29/2021

Area Number	Community	Buildings in Area	RLs in Area	RL CID	Source of Flooding
13	Unincorp. County	47	6	County	Fox River
14	Unincorp. County	15	2	County	Fox River
15	Unincorp. County	5	1	County	Cystal Creek
18	Unincorp. County	4	1	County	Fox River
19	Unincorp. County	7	1	County	Local Drainage
20	Unincorp. County	16	1	County	Spring Creek
22	Unincorp. County	83	8	County	Nippersink Creek
23	Unincorp. County	34	1	County	Pistakee Lake
24/29	Unincorp. County	40	3	County	Fox River
25	Unincorp. County	41	3	County	Fox River
26	Unincorp. County	86	6	County	Fox River
27	Unincorp. County	16	6	County	Fox River
28	Unincorp. County	108	15	County	Nippersink Creek
30	Unincorp. County	12	4	County	Nippersink Creek
31	Unincorp. County	5	1	County	Kishwaukee River
34	Unincorp. County	12	2	County	Fox River
1	Unincorp. County	3	1	County	Unnamed Tributary off Picasaw Creek
2	Unincorp. County	14	1	County	Groswold Lake
3	Unincorp. County	11	4	County	Fox River
4	Unincorp. County	8	1	County	Fox River
5	Unincorp. County	7	1	County	Picasaw Creek
6	Unincorp. County	4	1	County	South Branch of Kishwaukee River
7	Unincorp. County	21	1	County	Fox River
		599	71		



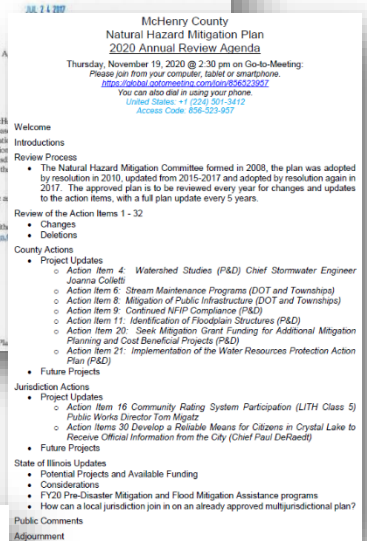
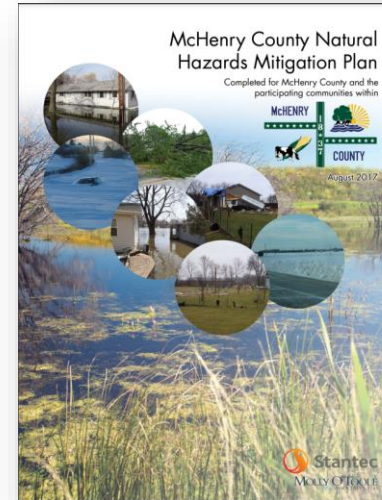
# Series 500 – Points Earned

## Activity 510 – Floodplain Mgmt. Planning

- Floodplain Management Planning (FMP)

- Countywide Hazard Mitigation Plan
- Annual Updates / Meetings
- CRS Documentation

275 points



CRS Step	Complete this section only	Item Score	Step Total
1. Organize to prepare the plan. (15 Max)			
a. Involvement of Office Responsible for Community Planning (4)	Chapter 1.2.2, Table 1-3	4	
b. Planning committee of department staff (5)	Chapter 1.2.2, Table 1-3	5	
c. Process formally created by the community's governing board (2)			13
2. Involve the public. (120 Max)			
a. Planning process conducted through a planning committee (60)			
b. Public meetings held at the beginning of the planning process (15)			
c. Public meeting held on draft plan (15)			
3. Coordinate with other agencies. (35 Max)			
a. Review of existing studies and plans (required) (5)			
b. Coordinating with communities and other agencies (Up to 30)			
4. Assess the hazard. (Max 35)			
a. Plan includes an assessment of the flood hazard (REQUIRED) with:			
(1) A map of known flood hazards (5)			
(2) A description of known flood hazard (5)			
(3) A discussion of past floods (5)			
b. Plan includes assessment of less frequent floods (10)			
c. Plan includes assessment of areas likely to flood (5)			
d. The plan describes other natural hazards (REQUIRED FOR DMA) (5)			
5. Assess the problem. (Max 52)			
a. Summary of each hazard identified in the hazard assessment and their community impact (REQUIRED) (2)			
b. Description of the impact of the hazards on: (Max 25)			
(1) Life, safety, health, procedures for warning and evacuation (5)			
512 Elements			
512.a. Floodplain management planning (FMP)			
Step 1. Organize			13
Step 2. Involve the public			85
Step 3. Coordinate			12
Step 4. Assess the hazard			25
Step 5. Assess the problem			44
Step 6. Set goals			2
Step 7. Review possible activities			29
Step 8. Draft an action plan			55
Step 9. Adopt the plan			2
Step 10. Implement, evaluate, revise			8
FEMA has approved the plan as a multi-hazard mitigation plan:			275
Floodplain management planning (FMP)			1.00
Impact adjustment ratio = FMP			275.00
cFMP = FMP x rFMP			

# Series 500 – Points Earned

## Activity 520 – Acquisition and Relocation

- Acquisition Credit
  - Area Maps (2)
  - CC-520EHP Form
  - Grant Information
  - Recorded Deed Restrictions

42 points

**MCHENRY COUNTY ACTIVITY 520 ACQUISITION AND RELOCATION**

**Area #1**

**Area #2**

**CC-520EHP Acquisition and Relocation**

**Compliance with Environmental and Historic Preservation Requirements**

**Acquisition and Relocation Process**

**Certification Statement for Acquisition and Relocation Project**

**PERMANENT PARCEL NUMBER: 05-30-428-002, 05-30-428-003, 05-30-428-004, 05-30-428-005**

**MCHENRY COUNTY**

**WONDERFUL PLACES • WIDE-OPEN SPACES**

# Series 500 – Points Earned

## Activity 530 – Flood Protection

- Technique Used - Elevation

- Area Maps
- CC-530EHP Form
- Spreadsheet of Properties
- Ordinance Information
- Rep Loss Forms, Permits & Elevation Certificates

2 points

**LEGEND**

- Blue shaded area: Flood Hazard Area
- Blue line: Flood Hazard Boundary
- Blue line: Flood Hazard Boundary

**CC-530EHP Flood Protection**

**Compliance with Environmental and Historic Preservation Requirements**

**Part A. Submitting Projects (TUE, TUD, TUB, TUS)**

**Table 1: Flood Protection Projects**

Issue Date	Permit #	PIN	Name	Address	City, State	Building Type (primary, secondary, addition)	New or Substantial Improvement	Elevation Certificate Required?	Elevation Certificate Approved	Certificate of Occupancy Issued	Flood Hazard	Notes
8/16/2000	H-3200	10-08-231-011	Civil	1311 Nipewick Dr	Spring Grove, IL	primary	Substantial Improvement	N/A	N/A	4/1/2001	FIRM	Shaded FF
11/10/2004	L-4000	15-03-427-016	Woodworth	725 Reason Bridge Rd	Carly, IL	primary	Substantial Improvement	Yes	6/8/2005	6/8/2005	FIRM	Shaded FF
8/11/2005	J-8072	14-12-305-007	Cole	2711 S Orchard Ln	McHenry, IL	addition	Substantial Improvement	Yes	12/21/17	02/24/18	FIRM	In by elevation (outside shaded)
11/14/2007	J-7888	10-08-434-001	Clume	3502 Circle Dr	McHenry, IL	primary	Substantial Improvement	Yes	10/18/18	10/18/18	FIRM	Shaded FF
1/19/2018	J-7887	08-06-376-012	Epstein	207 N Emerald Dr	McHenry, IL	primary	Substantial Improvement	Yes	11/27/19	11/27/19	FIRM	In by elevation (outside shaded)
2/12/2018	J-7887	08-06-376-012	Epstein	207 N Emerald Dr	McHenry, IL	primary	Substantial Improvement	Yes	05/05/20	05/05/20	FIRM	Shaded FF
10/14/2018	J-8013	15-18-235-010	Madrigal	2010 S Riverside Dr	McHenry, IL	primary	Substantial Improvement	Yes	09/04/19	09/04/19	FIRM	Shaded FF
4/13/2020	J-8014	10-08-113-001	Stanford	4000 Woodrow Ave	McHenry, IL	primary	Substantial Improvement	Yes	06/06/21	06/06/21	FIRM	Shaded FF

**Article 15. Performance Standards, Section B. Runoff Control, Paragraph 8.**

54

following requirements in addition to the other applicable requirements of this Ordinance:

- The regulated development shall incorporate runoff volume reduction practices to infiltrate, evaporate, or transpire at least 95% of the annual stormwater runoff volume from hydrologically disturbed areas.
- Perform an evaluation of the development site and field testing practices in accordance with Chapter 2.1 of the City of Crystal Lake - Crystal Lake Watershed Stormwater Management Design Manual.
- Design the development site in accordance with sections 5.4-5.7 and section 5.1 of the City of Crystal Lake - Crystal Lake Watershed Stormwater Management Design Manual.

**C. Flood Hazard Area**

- A development is located in a flood hazard area if any of the following criteria are met:
  - If any portion of the development site is within a mapped Flood of Record area on the USGS Hydrologic Investigation Atlas Flood of Record Map;
  - If any portion of the development site is within a closed contour of a depressional storage area;
  - If any portion of the development site is within a channel that has a tributary area greater than 100 acres;
  - If any portion of the development site is within a mapped Zone AE, A, AH, or AD floodplain on the FEMA FIRM;
  - If any portion of the development site is outside a mapped Zone AE, but is below the BFE or;
  - If any portion of the development site is below the BFE determined by the simplified methods for estimating the BFE described in the FEMA publication Managing Floodplain Development in Appropriate Zone A Areas.
- Determining the BFE and Limits of a Flood Prone Area
  - The BFE shall be determined utilizing one of the following methodologies:
    - Adding 3 feet to the Flood of Record indicated on the USGS Hydrologic Investigation Atlas;
    - Adding 0.5 foot to the surface overflow of a depressional storage area. Where a smaller depressional storage area exists within a larger depressional storage area, the BFE shall be based on the highest surface overflow;



## Series 500 – Points Earned

Activity	Difficulty	Funds Needed	Points
510 Floodplain Management Planning	Moderate	No (once Plan is completed)	275
520 Acquisition and Relocation	Hard	\$\$\$\$	42
530 Flood Protection	Easy*	No*	2
TOTAL			319



# Series 600

Warning and Response



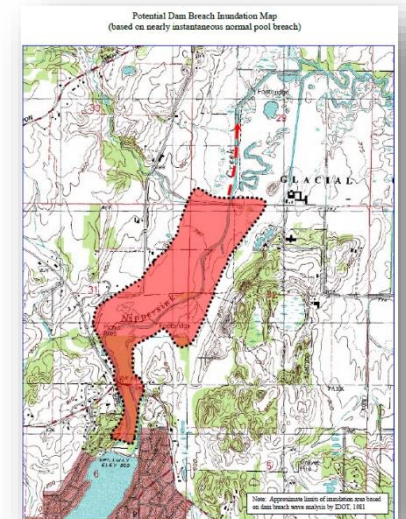
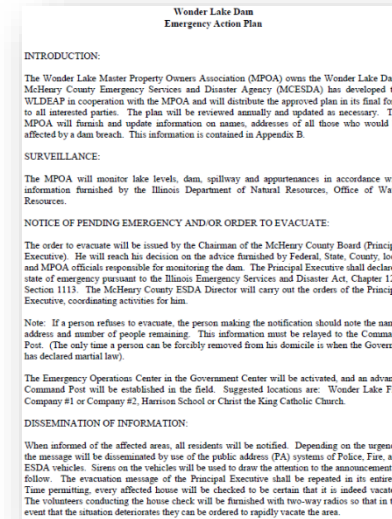
# Series 600 – Points Earned

## Activity 630 – Dams

- State Dam Safety Program (SDS)

2020 Activity 630 State Dam Safety Credit				
State	SDS: Condition Assessment (CA) (15 pts max)	SDS: Risk Communication/Public Awareness (RC/PA) (15 pts max)	SDS: Emergency Action Planning (EAP) (15 pts max)	2020 SDS: Total Points (45 pts max)
Alabama	0	0	0	0
Alaska	15	2	7	24
Arizona	15	15	15	45
Arkansas	0	15	15	30
California	15	15	7	37
Colorado	15	15	15	45
Connecticut	15	6	7	28
Delaware	15	0	15	30
Florida	0	15	0	15
Georgia	7	15	7	29
Hawaii	15	15	15	45
Idaho	15	15	15	45
Illinois	0	15	15	30
Indiana	15	15	7	37
Iowa	15	15	0	30

30 points



3 Dam Details found

Location	SD ID	Hazard Potential Classification	EAP Required	Dam Registered
Wonder Lake Dam	0.0000	High	Yes	Yes
High Hill Dam	0.0000	High	Yes	Yes
Wonder Lake Dam	0.0000	High	Yes	Yes



# Series 600 – Points Earned

Activity	Difficulty	Funds Needed	Points
630 Dams (SDS)	Easy (if dam EAP available)	No	30
TOTAL			30

# McHenry County – CRS Total Points

Series	Points
300	290
400	1,782
500	319
600	30
<b>TOTAL</b>	<b>2,421</b>



**Class 6 = 20% Discount**  
**Approx. \$360 savings / \$150,000 total**  
**(in SFHA)**

# Keys to Success – Partnerships





# Questions?

Joanna Colletti, P.E., CFM  
Water Resources Manager  
[jscolletti@mchenrycountyil.gov](mailto:jscolletti@mchenrycountyil.gov)

