



Federal Emergency Management Agency

Washington, D.C. 20472

October 7, 2020

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable John Skillman
Village President, Village of Carpentersville
1200 L.W. Besinger Drive
Carpentersville, IL 60110

IN REPLY REFER TO:

Case No.: 20-05-2475P
Community Name: Village of Carpentersville, IL
Community No.: 170322
Effective Date of
This Revision: February 19, 2021

Dear Mr. Skillman:

The Flood Insurance Study Report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Chicago, Illinois, at (312) 408-5500, or the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/business/nfip>.

Sincerely,

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc: The Honorable Christopher Lauzen
Chairman, Kane County Board

Mr. Kevin Gray
Village Engineer, Village of Carpentersville

Mr. Ralph Stark
Lead Water Resources Engineer, HR Green, Inc

Ms. Marilyn L. Sucoe
Acting NFIP State Coordinator
Illinois Department of Natural Resources

Ms. Jodie Wollnik
Director of Environment and Water Resources
Kane County



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LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Village of Carpentersville Kane County Illinois	NO PROJECT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 170322		
IDENTIFIER	Carpenter Creek North	APPROXIMATE LATITUDE & LONGITUDE: 42.121, -88.266 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 17089C0156H DATE: August 3, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 02, 2015	
TYPE: FIRM	NO.: 17089C0157H DATE: August 3, 2009	PROFILE(S): 36P(a)-36P(d); 136P(a) SUMMARY OF DISCHARGE TABLE: 8	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES)

See Page 2 for Additional Flooding Sources

Carpenter Creek - From approximately 1,900 feet upstream of Maple Avenue to just downstream of Lake Marian Road
Carpenter Creek Split Flow Path - From the convergence with Carpenter Creek to the divergence with Carpenter Creek

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Carpenter Creek	No BFEs*	BFEs	YES	NONE
	Zone A	Zone A	NONE	YES
	Zone AE	Zone AE	YES	YES
Carpenter Creek Split Flow Path	No BFEs	BFEs	YES	NONE

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Ave Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Carpenter Creek Split Flow Path - From the convergence with Carpenter Creek to the divergence with Carpenter Creek
Lake Marian Ditch - From just upstream of Lake Marian Road to just downstream of John F. Kennedy Drive

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Carpenter Creek Split Flow Path	Zone A	Zone A	NONE	YES
	Zone A	Zone AE	YES	YES
Lake Marian Ditch	No BFEs	BFEs	YES	NONE
	Zone A	Zone A	NONE	YES
	Zone A	Zone AE	YES	YES

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Ave Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 170896 **Name:** Kane County, Illinois

AFFECTED MAP PANELS

TYPE: FIRM NO.: 17089C0157H DATE: August 3, 2009

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 2, 2015
PROFILE(S): 36P(a) - 36P(d); 136P(a)
SUMMARY OF DISCHARGES TABLE: 8

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Ave Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Ave Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in black ink, appearing to read "Rick F. Sacbbit".

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Mary Beth Caruso
Director, Mitigation Division
Federal Emergency Management Agency, Region V
536 South Clark Street, Sixth Floor
Chicago, IL 60605
(312) 408-5500

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Ave Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp

LOCAL NEWSPAPER

Name: *Daily Herald*

Dates: October 15, 2020 and October 22, 2020

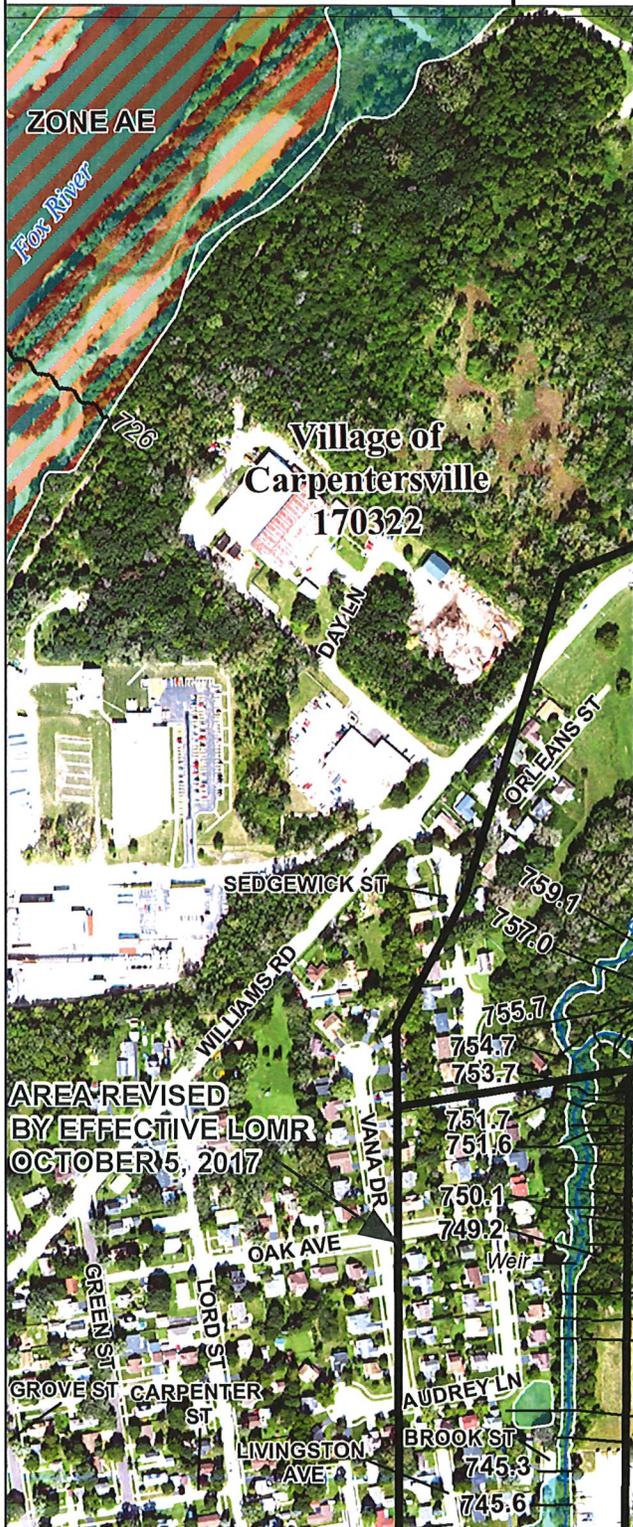
Within 90 days of the second publication in the local newspaper, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Ave Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in black ink, appearing to read "A. P. F." or similar.

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

JOINS PANEL 0070 88° 16' 52.5"
42° 07' 30"



JOINS PANEL 0157

REVISED AREA

46° 64' 000M N

AREA REVISED BY EFFECTIVE LOMR OCTOBER 5, 2017

- 755.0
- 755.7
- 756.3 *Carpenter Creek*
- 757.0 *Split Flow Path*
- 753.7
- 753.7 *Carpenter Creek*
- Weir
- Weir
- 751.0
- Weir
- Weir
- 749.2
- ZONE AE**
- 748.2
- 748.1
- 747.9
- 747.4
- 747.1
- 745.3
- 745.6

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X

SCALE

Map Projection:
NAD 1983 2011 StatePlane Illinois East FIPS 1201 Ft US, Western Hemisphere, Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 125 250 Meters

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

KANE COUNTY, ILLINOIS AND INCORPORATED AREAS

PANEL **156** OF **410**

Panel Contains:

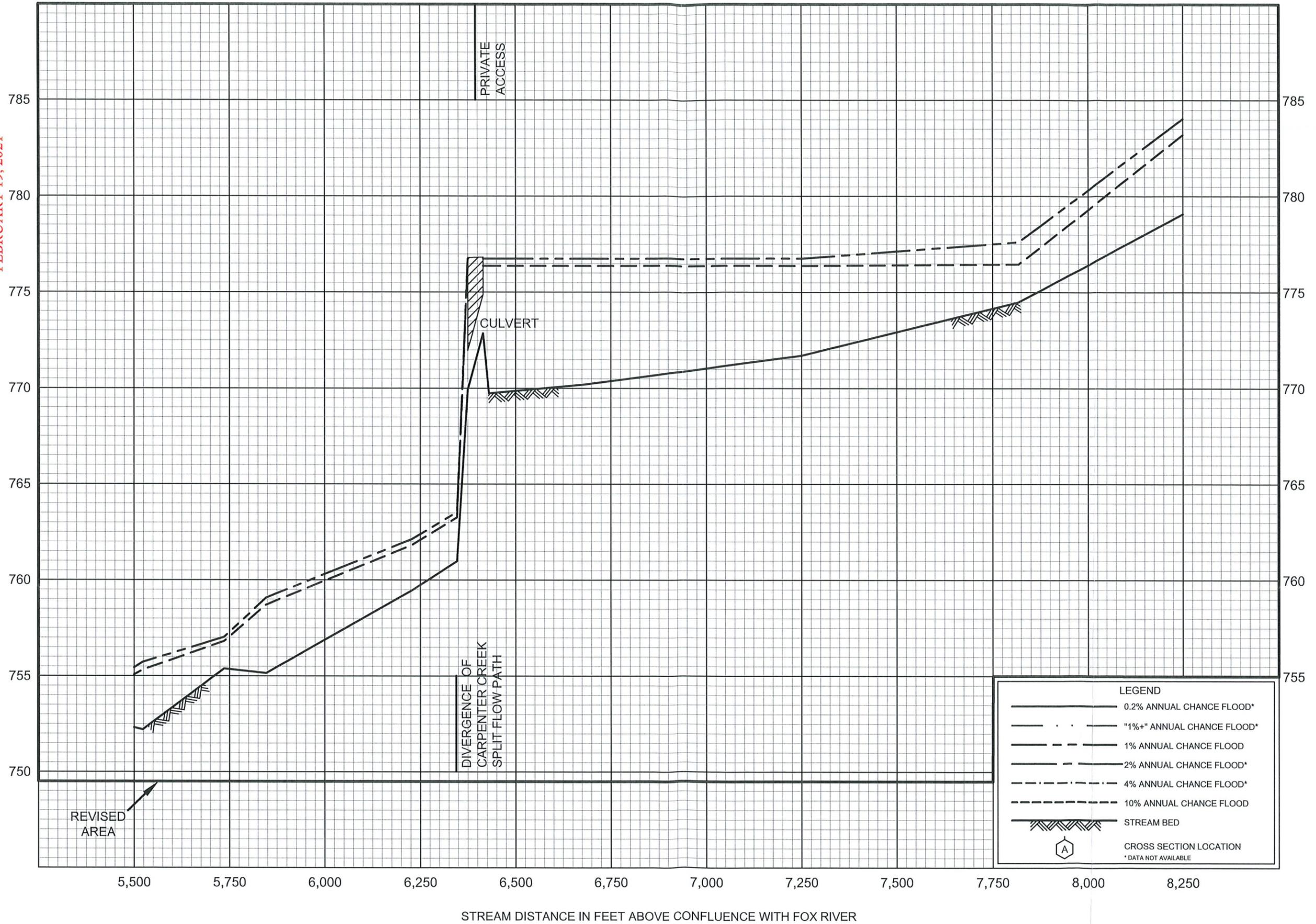
COMMUNITY	NUMBER	PANEL	SUFFIX
CARPENTERSVILLE, VILLAGE OF	170322	0156	H
EAST DUNDEE, VILLAGE OF	170323	0156	H
SLEEPY HOLLOW, VILLAGE OF	170896	0156	H
WEST DUNDEE, VILLAGE OF	170331	0156	H
WEST DUNDEE, VILLAGE OF	170355	0156	H

REVISED TO REFLECT LOMR EFFECTIVE FEBRUARY 19, 2021

VERSION NUMBER 2.6.4.0
MAP NUMBER 17089C0156H
EFFECTIVE DATE August 3, 2009

REVISED TO REFLECT
LOMR EFFECTIVE
FEBRUARY 19, 2021

ELEVATION IN FEET (NAVD88)



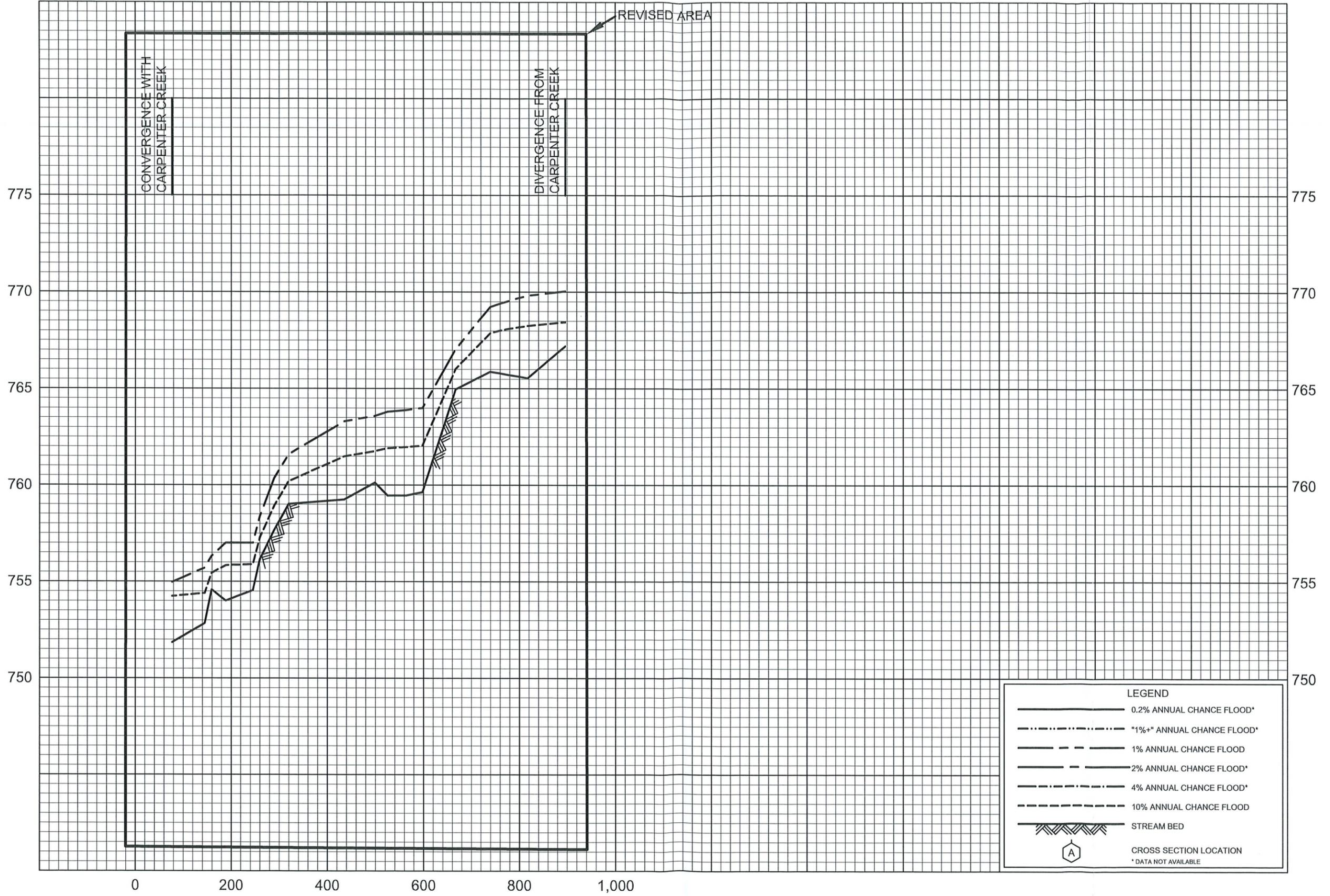
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH FOX RIVER

FLOOD PROFILES
CARPENTER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KANE COUNTY, IL
AND INCORPORATED AREAS

REVISED TO REFLECT
LOMR EFFECTIVE
FEBRUARY 19, 2021

ELEVATION IN FEET (NAVD88)



STREAM DISTANCE IN FEET ABOVE CONVERGENCE WITH CAREPENTER CREEK

LEGEND

- 0.2% ANNUAL CHANCE FLOOD*
- "1%+" ANNUAL CHANCE FLOOD*
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD*
- 4% ANNUAL CHANCE FLOOD*
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION
- * DATA NOT AVAILABLE

FLOOD PROFILES

CARPENTER CREEK SPLIT FLOW PATH

FEDERAL EMERGENCY MANAGEMENT AGENCY

KANE COUNTY, IL
AND INCORPORATED AREAS

36P(d)

Table 8 - Summary of Discharges (continued)

<i>Flooding Source and Location</i>	<i>Drainage Area (square miles)</i>	<i>Peak Discharges (cubic feet per second)</i>			
		<i>10-Percent- Annual-Chance</i>	<i>2-Percent- Annual-Chance</i>	<i>1-Percent- Annual-Chance</i>	<i>0.2-Percent- Annual-Chance</i>
Burlington Creek					
Approximately 4,300 feet upstream of Walker Road, just downstream of Railroad	15.2	1760	3183	3,743	*
Approximately 2,100 feet downstream of French Road	12.7	1442	2667	3,298	*
Just downstream of the confluence with Burlington Creek Tributary A	12.6	1303	2411	2,951	*
Approximately 640 feet upstream of the confluence with Burlington Creek Tributary A	9.6	989	1797	2,153	*
Burlington Creek Tributary A					
Approximately 530 feet upstream of Getzelman Road	1.3	341	646	811	*
Just downstream of the confluence with unnamed tributary, approximately 2,500 feet downstream of Romke Road	1.3	269	509	646	*
Just upstream of Romke Road	0.4	198	372	481	*
Burlington Creek West Branch					
Approximately 2,850 feet downstream of IL-72	2.4	317	529	657	*
Just downstream of the confluence with unnamed tributary, approximately 2,250 feet upstream of IL-72	1.9	279	474	594	*
Just upstream of Burlington Road	0.7	118	217	279	*
DATA REVISED BY LOMR EFFECTIVE OCTOBER 5, 2017					
Carpenter Creek					
At confluence with Fox River	1.5	331	531	669	918
Approximately 500 feet upstream of Spring Street.	0.9	191	*	415	*
REVISED DATA					
Carpenter Creek Split Flow Path					
At convergence with Carpenter Creek	N/A	62	*	258	*
Carpenter Creek Split Flow Path					
Duffin Drain					
At US 30	8.1	*	*	979	*
At Lasher Road	2.5	*	*	422	*

*Data not available

Table 8 - Summary of Discharges (continued)

<i>Flooding Source and Location</i>	<i>Drainage Area (square miles)</i>	<i>Peak Discharges (cubic feet per second)</i>			
		<i>10-Percent- Annual-Chance</i>	<i>2-Percent- Annual-Chance</i>	<i>1-Percent- Annual-Chance</i>	<i>0.2-Percent- Annual-Chance</i>
Hampshire Creek Tributary No. 3					
At confluence with Hampshire Creek Tributary No. 2	0.1	9	*	33	*
Hampshire Creek Tributary No. 4					
At confluence with Hampshire Creek	0.2	24	*	77	*
Indian Creek					
At Mouth (confluence with Fox River)	14.7	1,095	2,379	3,064	4,511
At confluence with South Tributary	13.9	939	1,966	2,521	3,672
At Austin Avenue	10.7	706	1,472	1,873	2,624
At Scheffer Road	10.5	677	1,378	1,744	2,401
At Farnsworth Avenue	9.5	517	969	1,126	1,527
At Reckinger Road	9.5	505	943	1,097	1,517
At Prairie Path	9.4	491	907	1,056	1,507
At Farnsworth Avenue	7.8	353	560	743	1,290
At Molitor Road	7.6	345	736	814	1,220
At confluence with Selmartin Creek	7.4	345	736	817	1,222
At Interstate 88	4.8	258	539	579	865
At Bilter Road	4.5	298	555	675	965
At Butterfield Road	3.6	231	417	497	797
Indian Creek Prairie Path Run					
At Farnsworth Avenue	0.5	46	120	139	146
Jericho Lake Diversion					
Approximately 1,000 feet downstream of Orchard Road	*	15	*	480	1,190
Jelkes Creek					
At confluence with Fox River	6.8	600	920	1,200	1,760
Just upstream of Boncosky Road	4.7	440	710	930	1,370
Approximately 300 feet downstream of Thorobred Lane	3.2	320	540	700	1,040
At upstream corporate limit of Village of Sleepy Hollow	2.8	280	480	620	930
Lake Marian Ditch					
At Lake Marian Road	0.2	*	*	170	*

REVISED DATA

*Data not available