



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Village of Lincolnshire Lake County Illinois	NO PROJECT	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 170378		
IDENTIFIER	Tri-State Office Park LOMR	APPROXIMATE LATITUDE & LONGITUDE: 42.196, -87.890 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 17097C0259K DATE: September 18, 2013	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 17, 2016 PROFILE(S): 223P FLOODWAY DATA TABLE: 13	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE(S) & REVISED REACH(ES)

West Fork North Branch Chicago River - From 4,000 feet downstream of Half Day Road to just downstream of Half Day Road

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
West Fork North Branch Chicago River	Zone AE	Zone AE	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	BFEs*	BFEs	YES	YES
	Floodway	Floodway	YES	YES

\* 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 Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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



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

**OTHER COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number:** 170357      **Name:** Unincorporated Areas of Lake County, Illinois

**AFFECTED MAP PANELS**

TYPE: FIRM      NO.: 17097C0259K      DATE: September 18, 2013

**AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT**

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 17, 2016  
PROFILE(S): 223P  
FLOODWAY DATA TABLE: 13

**CID Number:** 170387      **Name:** Village of Riverwoods, Illinois

**AFFECTED MAP PANELS**

TYPE: FIRM      NO.: 17097C0259K      DATE: September 18, 2013

**AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT**

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 17, 2016  
PROFILE(S): 223P  
FLOODWAY DATA TABLE: 13

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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.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards 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 Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. 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)

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. Christine Stack  
Director, Mitigation Division  
Federal Emergency Management Agency, Region V  
536 South Clark Street, Sixth Floor  
Chicago, IL 60605  
IL:(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 Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. 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](https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp)

LOCAL NEWSPAPER

Name: *Daily Herald*

Dates: August 18, 2016 and August 25, 2016

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 Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
West Fork North Branch Chicago River								
A	50,948 <sup>1</sup>	84	486	1.8	653.0	653.0	653.0	0.0
B	53,038 <sup>1</sup>	198	465	1.3	654.1	654.1	654.1	0.0
C	54,184 <sup>1</sup>	220	399	1.5	654.8	654.8	654.8	0.0
D	55,501 <sup>1</sup>	140	269	2.1	656.1	656.1	656.1	0.0
E	57,992 <sup>1</sup>	114	291	1.9	657.3	657.3	657.3	0.0
F	59,603 <sup>1</sup>	34	210	2.7	658.8	658.8	658.8	0.0
G	61,028 <sup>1</sup>	660	1,567	0.3	659.3	659.3	659.3	0.0
H	62,218 <sup>1</sup>	40	132	4.0	659.5	659.5	659.5	0.0
I	64,253 <sup>1</sup>	71	351	1.7	662.1	662.1	662.1	0.0
J	65,745 <sup>1</sup>	34	212	3.0	663.8	663.8	663.8	0.0
K	67,633 <sup>1</sup>	410	504	1.1	665.3	665.3	665.3	0.0
L	69,768 <sup>1</sup>	51	280	2.0	665.8	665.8	665.8	0.0
M	71,768 <sup>1</sup>	295	2,179	0.3	666.3	666.3	666.3	0.0
N	72,737 <sup>1</sup>	33	159	3.3	667.0	667.0	667.0	0.0
O	76,677 <sup>1</sup>	200	559	0.9	669.9	669.9	670.0	0.1
P	79,437 <sup>1</sup>	665	1,523	0.2	670.3	670.3	670.4	0.1
Q	81,297 <sup>1</sup>	180	447	0.7	671.2	671.2	671.3	0.1
<b>REVISED DATA</b>								
Willow Road Creek								
A	1,870 <sup>2</sup>	40	37	2.5	769.3	769.3	769.4	0.1
B	3,730 <sup>2</sup>	16	20	1.9	773.8	773.8	773.9	0.1

<sup>1</sup> Feet above confluence with Chicago River

<sup>2</sup> Feet above mouth

**TABLE 13**

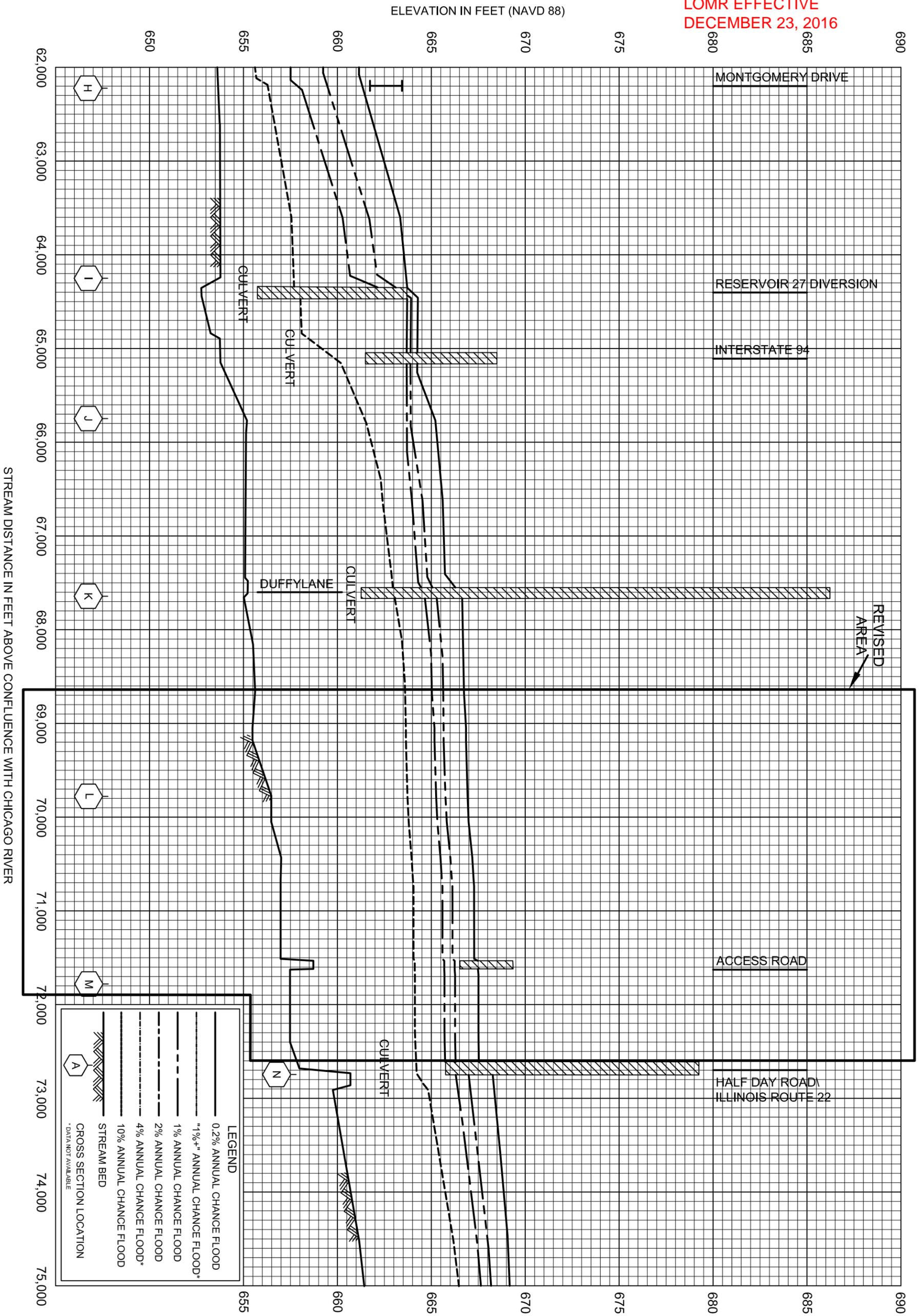
**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**LAKE COUNTY, IL  
AND INCORPORATED AREAS**  
REVISED TO REFLECT LOMR  
EFFECTIVE DECEMBER 23, 2016

**FLOODWAY DATA**

**WEST FORK NORTH BRANCH CHICAGO RIVER  
WILLOW ROAD CREEK**

REVISED TO REFLECT  
LOMR EFFECTIVE  
DECEMBER 23, 2016



FEDERAL EMERGENCY MANAGEMENT AGENCY  
LAKE COUNTY, IL  
AND INCORPORATED AREAS

223P

FLOOD PROFILES

WEST FORK NORTH BRANCH CHICAGO RIVER



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 44 NORTH, RANGE 9 EAST

**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
- 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

**OTHER AREAS OF FLOOD HAZARD**

**SCALE**

Map Projection:  
NAD 1983 StatePlane Illinois East FIPS 1201 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet      1:6,000

0 250 500 1,000 Feet  
0 75 150 300 Meters

**FEMA**

**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP**

**LAKE COUNTY, ILLINOIS AND INCORPORATED AREAS**

**PANEL 259 OF 295**

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
BANNOCKBURN, VILLAGE OF	170359	0259	K
LAKE COUNTY	170357	0259	K
LAKE FOREST, CITY OF	170374	0259	K
LINCOLNSHIRE, VILLAGE OF	170378	0259	K
RIVERWOODS, VILLAGE OF	170387	0259	K

**REVISED TO REFLECT LOMR EFFECTIVE DECEMBER 23, 2016**

VERSION NUMBER 2.3.3.0  
MAP NUMBER 17097C0259K  
EFFECTIVE DATE September 18, 2013