



# Federal Emergency Management Agency

Washington, D.C. 20472

**JUL 20 2005**

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Tom Barrett  
Mayor, City of Milwaukee  
200 E. Wells Street, Room 201  
Milwaukee, WI 53202

IN REPLY REFER TO:

**Case Number: 04-05-3539P**  
Community Name: City of Milwaukee, Milwaukee and  
Washington Counties, Wisconsin  
Community Number: 550278  
Effective Date of  
this Revision:

**NOV 11 2005**

Dear Mayor Barrett:

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

Additional documents are enclosed that 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 (CCO) for your community. If you have any technical questions regarding this LOMR, please contact the Director, Federal Insurance and Mitigation Division of the Federal Emergency Management Agency (FEMA) in Chicago, Illinois, at (312) 408-5548, or the FEMA Map Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

Sincerely,

John F. Magnotti III, Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate

For: Doug Bellomo, P.E., Chief  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate

**RECEIVED**

**JUL 25 2005**

**DEPUTY COMMISSIONER  
PUBLIC WORKS**

**List of Enclosures:**

- Letter of Map Revision Determination Document
- Annotated Flood Insurance Study Report
- Annotated Flood Insurance Rate Map
- List of Current Flood Insurance Study Data

- cc: James P. Purko, Director of Operations, City of Milwaukee, Department of Public Works  
 Dave Eastman, Director of Public Works, City of Glendale  
 Jeffrey S. Polenske, P.E., City Engineer, Department of Public Works, City of Milwaukee  
 Michael G. Hahn, P.E., Southeastern Wisconsin Regional Planning Commission  
 Eric D. Loucks, P.E., Camp Dresser & McKee Inc.  
 Community Map Repository



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	CITY OF MILWAUKEE, MILWAUKEE AND WASHINGTON COUNTIES, WISCONSIN	BRIDGE CHANNELIZATION CULVERT	BASE MAP CHANGES HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 550278		
IDENTIFIER	LINCOLN CREEK PROJECT	APPROXIMATE LATITUDE & LONGITUDE: 43.098, 87.967 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

### FLOODING SOURCE & REVISED REACH

LINCOLN CREEK – from approximately 220 feet upstream of Chicago and North Western Railroad to just upstream of North Green Bay Avenue

### SUMMARY OF REVISIONS

Effective Flooding:	Zone A9	Zone A6	Zone A5	Zone A4	Zone A3	Zone A2	Zone A
Revised Flooding:	Zone A9	Zone A6	Zone A5	Zone A4	Zone A3	Zone A2	Zone A
Increases:	YES	YES	YES	YES	YES	YES	YES
Decreases:	YES	YES	YES	YES	YES	YES	YES

\* BFEs - Base Flood Elevations

ANNOTATED MAPPING ENCLOSURES			ANNOTATED STUDY ENCLOSURES
TYPE: FIRM*	NO: 550278 0011 C	Date: November 15, 1985	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 19, 1987 SUMMARY OF DISCHARGES TABLE FLOODWAY DATA TABLE PROFILE: 24P through 27P
TYPE: FIRM	NO: 550278 0018 C	Date: November 15, 1985	
TYPE: FIRM	NO: 550278 0019 C	Date: November 15, 1985	

\* FIRM - Flood Insurance Rate Map; \*\* FBFM - Flood Boundary and Floodway Map; \*\*\* FHBM - Flood Hazard Boundary Map

### DETERMINATION

This document provides the determination from the 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) 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 Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional Information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

John F. Magnotti III, Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	CITY OF MILWAUKEE, MILWAUKEE AND WASHINGTON COUNTIES, WISCONSIN	BRIDGE CHANNELIZATION CULVERT	BASE MAP CHANGES HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 550278		
IDENTIFIER	LINCOLN CREEK PROJECT	APPROXIMATE LATITUDE & LONGITUDE: 43.098, 87.967 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

### FLOODING SOURCE & REVISED REACH

LINCOLN CREEK – from approximately 220 feet upstream of Chicago and North Western Railroad to just upstream of North Green Bay Avenue

### SUMMARY OF REVISIONS

Effective Flooding:	BFEs*	Floodway	Zone B	Zone C
Revised Flooding:	BFEs*	Floodway	Zone B	Zone C
Increases:	YES	YES	YES	YES
Decreases:	YES	YES	YES	YES

\* BFEs - Base Flood Elevations

ANNOTATED MAPPING ENCLOSURES			ANNOTATED STUDY ENCLOSURES
TYPE: FIRM*	NO: 550278 0011 C	Date: November 15, 1985	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 19, 1987 SUMMARY OF DISCHARGES TABLE FLOODWAY DATA TABLE PROFILE: 24P through 27P
TYPE: FIRM	NO: 550278 0018 C	Date: November 15, 1985	
TYPE: FIRM	NO: 550278 0019 C	Date: November 15, 1985	

\* FIRM - Flood Insurance Rate Map; \*\* FBFM - Flood Boundary and Floodway Map; \*\*\* FHBM - Flood Hazard Boundary Map

### DETERMINATION

This document provides the determination from the 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) 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 Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional Information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

John F. Magnotti III, Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### OTHER COMMUNITIES AFFECTED BY THIS REVISION

**CID Number:** 550275      **Name:** CITY OF GLENDALE, MILWAUKEE COUNTY, WISCONSIN

**AFFECTED MAP PANELS**

**AFFECTED PORTIONS of the FLOOD INSURANCE STUDY**

TYPE: FIRM      NO: 550275 0005 C      Date: June 19, 1981

NO REVISION TO THE FLOOD INSURANCE STUDY

**CID Number:**      **Name:**

**AFFECTED MAP PANELS**

**AFFECTED PORTIONS of the FLOOD INSURANCE STUDY**

**CID Number:**      **Name:**

**AFFECTED MAP PANELS**

**AFFECTED PORTIONS of the FLOOD INSURANCE STUDY**

**CID Number:**      **Name:**

**AFFECTED MAP PANELS**

**AFFECTED PORTIONS of the FLOOD INSURANCE STUDY**

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 Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional Information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

John F. Magnotti III, Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate



# Federal Emergency Management Agency

Washington, D.C. 20472

## 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 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.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the modified channel and culvert rests with your community. We may request that your community submit a description and schedule of channel and culvert activities.

#### COMMUNITY REMINDERS

Please note that this document does not override or supersede any State or local procedural or substantive provisions that may apply to floodplain management requirements associated with amendments to State or local floodplain zoning ordinance, maps, or State or local procedures adopted under the NFIP.

We based this determination on the 1% 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 law have been obtained. State 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 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 Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional Information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

Handwritten signature of John F. Magnotti III.

John F. Magnotti III, Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### COMMUNITY INFORMATION (CONTINUED)

#### COMMUNITY REMINDERS (CONTINUED)

We have enclosed a document, titled *List of Current Flood Insurance Study Data*, which includes this letter, to help your community maintain all information for floodplain management and flood insurance. If any of the items in that document are not filed in your community's map repository, please contact the FEMA Map Assistance Center at the number listed below for information on how to obtain those items.

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:

Mr. Ken Hinterlong  
Regional Engineer  
Federal Emergency Management Agency, Region V  
536 South Clark Street, Sixth Floor  
Chicago, Illinois 60605  
(312) 408-5529

#### 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 panels 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 Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

A handwritten signature in black ink that reads "John F. Magnotti III".

John F. Magnotti III, Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### PUBLIC NOTIFICATION OF REVISION

Within 90 days of the second publication in the local newspaper, a citizen 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 elapses and we resolve any appeals that we receive during this appeal period. Until this LOMR is effective, the revised BFEs presented in this LOMR may be changed.

This information will be published in the *Federal Register* and your local newspaper as detailed below.

#### LOCAL NEWSPAPER

Name: *The Milwaukee Courier*

Dates: 08/05/2005 08/12/2005

#### PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NGVD)		MAP PANEL NUMBERS
		EFFECTIVE	REVISED	
Lincoln Creek	Approximately 0.17 miles upstream of North Green Bay Avenue	625	624	550278 0011 C
	Approximately 0.49 miles upstream of Chicago and North Western Railroad	709	706	550278 0018 C

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 Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

John F. Magnotti III, Project Engineer  
Hazard Identification Section  
Mitigation Division  
Emergency Preparedness  
and Response Directorate

## LIST OF CURRENT FLOOD INSURANCE STUDY DATA

This list is provided to document all information currently effective for your community for insurance and floodplain management.

Date: **JUL 20 2005**

Community: City of Milwaukee, Milwaukee and Washington  
Counties, Wisconsin

Community Number: 550278

Page Number: 1 of 2

**CURRENT EFFECTIVE FLOOD INSURANCE STUDY DATE:** November 19, 1987

### **FLOOD INSURANCE RATE MAP**

Map Index  
550278IND0

Effective Date  
November 19, 1987

Panel Number  
0001 B, 0002 B, 0003 B, 0004 B,  
0004 B, 0007 B, 0015 B, 0023 B,  
0025 B, 0026 B, 0029 B, 0030 B,  
0031 B, 0033 B, 0034 B, 0035 B,  
and 0036 B

Effective Date  
March 1, 1982

0011 C, 0013 C, 0018 C, 0019 C,  
and 0021 C

November 15, 1985

0006 D, 0014 D, and 0022 D

November 19, 1987

### **LETTERS OF MAP REVISION**

Panel Number  
0011 C

Effective Date

**NOV 11 2005**

0018 C

**NOV 11 2005**

0019 C

**NOV 11 2005**

0025 B

December 1, 1999

0033 B

December 1, 1999

**LETTERS OF MAP AMENDMENT AND MAP REVISION BASED ON FILL**

<u>Panel Number</u>	<u>Effective Date</u>
0004 B	February 25, 2004
0015 B	March 16, 2000 June 21, 2002
0019 C	May 5, 2004
0035 B	October 12, 1993

**BEST AVAILABLE DATA LETTERS**

None

CHANGES ARE MADE IN DETERMINATIONS OF BASE FLOOD ELEVATIONS FOR THE CITY OF MILWAUKEE, MILWAUKEE AND WASHINGTON COUNTIES, WISCONSIN, UNDER THE NATIONAL FLOOD INSURANCE PROGRAM

On November 15, 1985, the Department of Homeland Security's Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in the City of Milwaukee, Milwaukee and Washington Counties, Wisconsin through issuance of a Flood Insurance Rate Map (FIRM). The Mitigation Division has determined that modification of the elevations of the flood having a 1% chance of being equaled or exceeded in any given year (base or 100-year flood) for certain locations in this community is appropriate. The modified Base Flood Elevations (BFEs) revise the FIRM for the community.

The changes are being made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and are in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65.

Hydrologic and hydraulic analyses were performed to incorporate bridges, culverts, channelization, and better topographic information, and has resulted in a revised delineation of the floodway and SFHA, and revised BFEs for Lincoln Creek from just upstream of North Green Bay Avenue to approximately 220 feet upstream of Chicago and North Western Railroad. The table below indicates existing and modified BFEs for selected locations along the affected lengths of the flooding source cited above.

Location	Existing BFE (feet)*	Modified BFE (feet)*
Approximately 0.17 miles upstream of North Green Bay Avenue	625	624
Approximately 0.49 miles upstream of Chicago and North Western Railroad	709	706

\*National Geodetic Vertical Datum, rounded to nearest whole foot

Under the above-mentioned Acts of 1968 and 1973, the Mitigation Division must develop criteria for floodplain management. For the community to participate in the National Flood Insurance Program (NFIP), the community must use the modified BFEs to administer the floodplain management measures of the NFIP. These modified BFEs will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and contents.

Upon the second publication of notice of these changes in this newspaper, any person has 90 days in which he or she can request, through the Chief Executive Officer of the community, that the Mitigation Division reconsider the determination. Any request for reconsideration must be based on knowledge of changed conditions or new scientific or technical data. All interested parties are

on notice that until the 90-day period elapses, the Mitigation Division's determination to modify the BFEs may itself be changed.

Any person having knowledge or wishing to comment on these changes should immediately notify:

The Honorable Tom Barrett  
Mayor, City of Milwaukee  
200 E. Wells Street, Room 201  
Milwaukee, WI 53202