



Federal Emergency Management Agency

Washington, D.C. 20472

SEP 12 2007

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Lynn Stauss
Mayor, City of East Grand Forks
City Hall
600 Demers Avenue
East Grand Forks MN 56721

IN REPLY REFER TO:

Case No.: 07-05-2270P
Follows Conditional
Case No.: 07-05-1768R
Community Name: City of East Grand Forks, MN
Community No.: 275236
Effective Date of This Revision: JAN 02 2008

Dear Mayor Stauss:

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) 408-5529, 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 website at <http://www.fema.gov/nfip>.

Sincerely,

Craig S. Kennedy, CFM, Project Engineer
Engineering Management Section
Mitigation Division

For: William R. Blanton Jr., CFM, Chief
Engineering Management Section
Mitigation Division

List of Enclosures:

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

cc: (See attached list.)

Follows Conditional Case No.: 07-05-1768R



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Washington, D.C. 20472

**LETTER OF MAP REVISION
DETERMINATION DOCUMENT**

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of East Grand Forks Polk County Minnesota	BRIDGE CHANNELIZATION LEVEE	FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 275236		
IDENTIFIER	Flood Control Project	APPROXIMATE LATITUDE & LONGITUDE: 47.937, -97.032 SOURCE: USGS QUADRANGLE DATUM: NAD 27	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 275236 0005 C DATE: July 20, 1979		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 30, 1977 FLOODWAY DATA TABLE: 1 SUMMARY OF DISCHARGES TABLE: 3 SUMMARY OF STILLWATER ELEVATIONS TABLE: 4 PROFILE(S): 01P and 02P; 03P (Deleted) FIGURES 2 and 3 (Deleted)	

Enclosures reflect changes to flooding sources affected by this revision.

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

FLOODING SOURCE(S) & REVISED REACH(ES)

See Page 2 for Additional Flooding Sources

Red River of the North – from approximately 2.8 miles downstream to approximately 5.9 miles upstream of the U.S. Highway 2 bridge (River Mile 294.2)
Red Lake River – from its confluence with the Red River of the North to approximately 24,000 feet upstream

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Red River of the North	Zone A1-A30	Zone AE	YES	YES
	Floodway	Floodway	YES	YES
	BFEs*	BFEs	YES	NONE
Red Lake River	Zone A1-A30	Zone AE	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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Craig S. Kennedy, CFM, Project Engineer
Engineering Management Section
Mitigation Division

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

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Red Lake River – from its confluence with the Red River of the North to approximately 24,000 feet upstream
Various Ponding Areas – River Heights Park, Sherlock Park, Laurel Drive, Heartsville Coulee, Valley Golf Course

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Red Lake River	Floodway	Floodway	YES	YES
	BFEs*	BFEs	YES	NONE
Various Ponding Areas	Zone C	Zone AE	YES	YES
	Zone A1-A30	Zone AE	YES	YES

* BFEs - Base Flood Elevations

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 LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. 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: 270503

Name: Polk County, Minnesota

AFFECTED MAP PANELS

TYPE: FIRM	NO.: 270503 0100 B	DATE: August 15, 1983
TYPE: FIRM	NO.: 270503 0175 B	DATE: August 15, 1983
TYPE: FBFM	NO.: 270503 0175	DATE: August 15, 1983

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 15, 1983
SUMMARY OF DISCHARGES TABLE: 1
FLOODWAY DATA TABLE: 2
SUMMARY OF STILLWATER ELEVATIONS TABLE: 4
PROFILE(S): 02P, 02P(a), 03P, and 05P

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 LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. 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.

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 altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

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 Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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CHANGES ARE MADE IN DELINEATIONS OF REGULATORY FLOODWAYS AND IN DETERMINATIONS OF BASE FLOOD ELEVATIONS FOR THE CITY OF EAST GRAND FORKS AND THE UNINCORPORATED AREAS OF POLK COUNTY, MINNESOTA, UNDER THE NATIONAL FLOOD INSURANCE PROGRAM

On July 20, 1979, and August 15, 1983, respectively, the Department of Homeland Security's Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in the City of East Grand Forks and in the unincorporated areas of Polk County, Minnesota, through issuance of Flood Insurance Rate Maps (FIRMs). The Mitigation Division has determined that modification of the Base (1-percent-annual-chance) Flood Elevations (BFEs) and floodway boundary delineations for certain locations in these communities is appropriate. The modified BFEs revise the FIRMs for the communities.

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.

A hydraulic analysis was performed to incorporate updated hydrologic and topographic information and the effects of channelization and construction of a levee system along the Red River of the North from approximately 2.8 miles downstream to approximately 5.9 miles upstream of the U.S. Highway 2 bridge (River Mile 294.2); along the Red Lake River from its confluence with the Red River of the North to approximately 24,000 feet upstream; and for various ponding areas (described in table below). This has resulted in revised delineation of the regulatory floodways, increases and decreases in SFHA width, and increased BFEs for both the Red River of the North and the Red Lake River, and establishment of BFEs for the ponding areas. The table below indicates existing and modified BFEs for selected locations along the affected lengths of the flooding source(s) cited above. The information listed below also is provided on FEMA's website at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp.

Location	Existing BFE (feet)*	Modified BFE (feet)*
<u>Red River of the North:</u>		
¹ Just downstream of U.S. Highway 2	830	831
^{1,2} Approximately 1.6 miles upstream of confluence of Red Lake River	833	834
² Approximately 4.7 miles upstream of confluence of Red Lake River	834	835
<u>Red Lake River:</u>		
¹ Approximately 1,000 feet downstream of Third Avenue	832	833
^{1,2} Approximately 13,000 feet upstream of Third Avenue	832	833
² Approximately 21,500 feet upstream of Third Avenue	832	833

Various Ponding Areas^{1,2}L8-Heartsville Coulee:

Areas north and south of Bygland Road
Southeast/County Highway 72, east of
14th Avenue Southeast, west of
17th Avenue Southeast, and north
of Rhinehart Drive

None 821

¹K7-River Heights Park:

Areas bounded by 17th Street on north,
12th Street on south, and Eighth Avenue on east

None 822

¹K10-Sherlock Park:

Areas bounded by U.S. Highway 2 on north
and Fourth Street on southwest

None 824

¹K3-Valley Golf Course:

Areas near intersection of County Highway 19
and County Highway 64

None 828

¹L6-Laurel Drive:

Approximately 300 feet west of Rhinehart Drive,
just south of 13th Street, and east of Laurel Drive

None 829

²K9-Highway 2:

Areas along Burlington Northern Railroad and
approximately 500 feet west of U.S. Highway 2

None 831

*National Geodetic Vertical Datum, rounded to nearest whole foot

¹City of East Grand Forks

²Unincorporated areas of Polk County

Under the above-mentioned Acts of 1968 and 1973, the Mitigation Division must develop criteria for floodplain management. 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.