



Federal Emergency Management Agency

Washington, D.C. 20472

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

IN REPLY REFER TO:
19P-A

May 4, 2016

The Honorable Lili McMillan
Mayor, City of Orono
City Hall
2750 Kelley Parkway
Orono, Minnesota 55356

Community: City of Orono,
Hennepin County, Minnesota
Community No.: 270178
Map Panels Affected: See FIRM Index

Dear Mayor McMillan:

This is to formally notify you of the final flood hazard determination for the City of Orono, Hennepin County, Minnesota, in compliance with Title 44, Chapter I, Part 67, Section 67.11, Code of Federal Regulations (CFR). This section requires that notice of final flood hazards shall be sent to the Chief Executive Officer of the community, all individual appellants, and the State Coordinating Agency, and shall be published in the *Federal Register*.

On September 2, 2004, the Department of Homeland Security's Federal Emergency Management Agency (FEMA) issued a Flood Insurance Rate Map (FIRM) that identified the Special Flood Hazard Areas (SFHAs), the areas that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood), in your community. Recently, FEMA completed a re-evaluation of flood hazards in your community. On December 31, 2005, FEMA provided you with Preliminary copies of the Flood Insurance Study (FIS) report and FIRM that identify existing flood hazards in your community, including Base Flood Elevations (BFEs). The proposed flood hazard determinations (FHDs) for your community were published in the *Star Tribune* on March 29, 2013, and April 5, 2013, and in the *Federal Register*, at Part 67, Volume 78, Page 8180, on February 5, 2013.

The statutory 90-day appeal period, which was initiated on the second newspaper publication date cited above, has ended. The proposed FHDs for your community were appealed during that time. All technical data submitted in support of the appeal have been evaluated, and the appeal has been resolved. Therefore, the FHDs for your community are considered final. The final notice for FHDs will be published in the *Federal Register* as soon as possible. The FIRM for your community will become effective on November 4, 2016. Before the effective date, FEMA will send you final printed copies of the FIS report and FIRM.

Because the FIS establishing the FHDs for your community has been completed, certain additional requirements must be met under Section 1361 of the National Flood Insurance Act of 1968, as amended, within 6 months from the date of this letter. Prior to November 4, 2016, your community is required, as a condition of continued eligibility in the National Flood Insurance Program (NFIP), to adopt or show evidence of adoption of floodplain management regulations that meet the standards of Paragraph 60.3(d) of the enclosed NFIP regulations (44 CFR 59, etc.) by the effective date of the FIRM. These standards are the minimum requirements and do not supersede any State or local requirements of a more stringent nature.

It must be emphasized that all the standards specified in Paragraph 60.3(d) of the NFIP regulations must be enacted in a legally enforceable document. This includes adoption of the current effective FIS and FIRM

to which the regulations apply and other modifications made by this map revision. Some of the standards should already have been enacted by your community in order to establish initial eligibility in the NFIP. Your community can meet any additional requirements by taking one of the following actions:

- Amending existing regulations to incorporate any additional requirements of Paragraph 60.3(d);
- Adopting all the standards of Paragraph 60.3(d) into one new, comprehensive set of regulations; or
- Showing evidence that regulations have previously been adopted that meet or exceed the minimum requirements of Paragraph 60.3(d).

Communities that fail to enact the necessary floodplain management regulations will be suspended from participation in the NFIP and subject to the prohibitions contained in Section 202(a) of the Flood Disaster Protection Act of 1973 (Public Law 93-234) as amended.

In addition to your community using the FIS to manage development in the floodplain, FEMA will use the FIS to establish appropriate flood insurance rates. On the effective date of the revised FIRM, actuarial rates for flood insurance will be charged for all new structures and substantial improvements to existing structures located in the identified Special Flood Hazard Areas, the areas subject to inundation by the base flood. These rates may be higher if structures are not built in compliance with the floodplain management standards of the NFIP. The actuarial flood insurance rates increase as the lowest elevations (including basement) of new structures decrease in relation to the BFEs established for your community. This is an important consideration for new construction because building at a higher elevation can greatly reduce the cost of flood insurance.

To assist your community in maintaining the FIRM, we have enclosed a Summary of Map Actions to document previous Letter of Map Change (LOMC) actions (i.e., Letters of Map Amendment, Letters of Map Revision) that will be superseded when the revised FIRM panels referenced above become effective. Information on LOMCs is presented in the following four categories: (1) LOMCs for which results have been included on the revised FIRM panels; (2) LOMCs for which results could not be shown on the revised FIRM panels because of scale limitations or because the LOMC issued had determined that the lots or structures involved were outside the SFHA as shown on the FIRM; (3) LOMCs for which results have not been included on the revised FIRM panels because the flood hazard information on which the original determinations were based are being superseded by new flood hazard information; and (4) LOMCs issued for multiple lots or structures where the determination for one or more of the lots or structures cannot be revalidated through an administrative process like the LOMCs in Category 2 above. LOMCs in Category 2 will be revalidated through a single letter that reaffirms the validity of a previously issued LOMC; the letter will be sent to your community shortly before the effective date of the revised FIRM and will become effective 1 day after the revised FIRM becomes effective. For the LOMCs listed in Category 4, we will review the data previously submitted for the LOMA or LOMR request and issue a new determination for the affected properties after the revised FIRM becomes effective.

The FIRM and FIS report for your community have been prepared in our countywide format, which means that flood hazard information for all jurisdictions within Hennepin County has been combined into one FIRM and FIS report. When the FIRM and FIS report are printed and distributed, your community will receive only those panels that present flood hazard information for your community. We will provide complete sets of the FIRM panels to county officials, where they will be available for review by your community.

The FIRM panels have been computer-generated. Once the FIRM and FIS report are printed and

distributed, the digital files containing the flood hazard data for the entire county can be provided to your community for use in a computer mapping system. These files can be used in conjunction with other thematic data for floodplain management purposes, insurance purchase and rating requirements, and many other planning applications. Copies of the digital files or paper copies of the FIRM panels may be obtained by calling our FEMA Map Information eXchange (FMIX), toll free, at 1-877-FEMA-MAP (1-877-336-2627). In addition, your community may be eligible for additional credits under our Community Rating System if you implement your activities using digital mapping files.

If your community is encountering difficulties in enacting the necessary floodplain management measures required to continue participation in the NFIP, we urge you to call the Director, Federal Insurance and Mitigation Division of FEMA in Chicago, Illinois, at (312) 408-5500 for assistance. If you have any questions concerning mapping issues in general or the enclosed Summary of Map Actions, please call our FEMA Map Information eXchange (FMIX), toll free, at 1-877-FEMA-MAP (1-877-336-2627). Additional information and resources your community may find helpful regarding the NFIP and floodplain management, such as *The National Flood Insurance Program Code of Federal Regulations*, *Answers to Questions About the National Flood Insurance Program*, *Frequently Asked Questions Regarding the Effects that Revised Flood Hazards have on Existing Structure*, *Use of Flood Insurance Study (FIS) Data as Available Data*, and *National Flood Insurance Program Elevation Certificate and Instructions*, can be found on our website at <http://www.floodmaps.fema.gov/lfid>. Paper copies of these documents may also be obtained by calling our FMIX.

Sincerely,



Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

Enclosure:
Final Summary of Map Actions

cc: Community Map Repository
Diane Teigs, City Clerk, City of Orono

FINAL SUMMARY OF MAP ACTIONS

Community: ORONO, CITY OF

Community No: 270178

To assist your community in maintaining the Flood Insurance Rate Map (FIRM), we have summarized below the previously issued Letter of Map Change (LOMC) actions (i.e., Letters of Map Revision (LOMRs) and Letters of Map Amendment (LOMAs)) that will be affected when the revised FIRM becomes effective on November 4, 2016.

1. LOMCs Incorporated

The modifications effected by the LOMCs listed below will be reflected on the revised FIRM. In addition, these LOMCs will remain in effect until the revised FIRM becomes effective.

LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
			NO CASES RECORDED		

2. LOMCs Not Incorporated

The modifications effected by the LOMCs listed below will not be reflected on the revised FIRM panels because of scale limitations or because the LOMC issued had determined that the lot(s) or structure(s) involved were outside the Special Flood Hazard Area, as shown on the FIRM. These LOMCs will remain in effect until the revised FIRM becomes effective. These LOMCs will be revalidated free of charge 1 day after the revised FIRM becomes effective through a single revalidation letter that reaffirms the validity of the previous LOMCs.

LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
LOMR-F	95-05-2672A	11/21/1995	50 LANDMARK DRIVE	2701780005C	27053C0301F 27053C0303F
LOMA	96-05-3312A	10/23/1996	LOT 3, BLOCK 1 - BAYSIDE BEACH	2701780005C	27053C0304F
LOMA	97-05-1380A	01/22/1997	FIFTH PRINCIPAL MERIDIAN - GOV'T LOT 2, SECT. 11 - 1475 SHORELINE DRIVE	2701780010C	27053C0303F
LOMA	99-05-2252A	02/19/1999	BAYSIDE BEACH - BLOCK 1, LOT 2 - 3444 EAST LAKE STREET	2701780005C	27053C0301F
LOMA	00-05-3018A	06/06/2000	LOT 36, SHADYWOOD, 1966 SHADYWOOD RD.	2701780010C	27053C0303F
LOMA	00-05-3242A	07/25/2000	2709 WALTERS PORT LANE	2701780010C	27053C0311F
LOMA	05-05-0998A	01/05/2005	BAYSIDE BEACH, BLOCK 1, LOT 1 -- 3464 EAST LAKE STREET	27053C0301E	27053C0301F
LOMA	05-05-1357A	02/01/2005	BAYSIDE ADDITION, BLOCK 8, LOT 2 -- 3415 EAST LAKE STREET	27053C0301E	27053C0301F

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Community: ORONO, CITY OF

Community No: 270178

LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
LOMA	06-05-BT12A	07/21/2006	LOT 1, BLOCK 1, MALLYVALE -- 3240 WATERTOWN ROAD (MN)	27053C0301E	27053C0301F
LOMA	07-05-1146A	12/19/2006	SHADYWOOD, LOT 36 -- 1966 SHADYWOOD ROAD (MN)	27053C0303E	27053C0303F
LOMA	08-05-2367A	03/25/2008	MORSE ISLAND PARK, LOTS 31 & 32 -- 170 BIG ISLAND	27053C0312E	27053C0312F
LOMR-F	08-05-2039A	04/17/2008	BALDUR PARK, LOT 6, BLOCK 1 -- 1436 BALDUR PARK ROAD	27053C0303E	27053C0303F
LOMA	08-05-4054A	08/14/2008	REGISTERED LAND SURVEY NO. 500, TRACTS C - D -- 2745 SHADYWOOD ROAD	27053C0311E	27053C0311F
LOMA	10-05-1918A	03/11/2010	LOT 4, KITCHEL'S SUBDIVISION -- 560 BIG ISLAND	27053C0312E	27053C0312F
LOMA	10-05-3874A	07/06/2010	LOTS 38 & 39, SHADY-WOOD -- 1978 SHADYWOOD ROAD	27053C0303E	27053C0303F
LOMA	10-05-7935A	09/30/2010	3210 Northshore Drive	27053C0303E	27053C0303F
LOMA	10-05-6964A	10/14/2010	LOT 4, BLOCK 1, CREEKSIDE -- 110 CREEK RIDGE PASS	27053C0302E	27053C0302F
LOMA	10-05-5870A	11/04/2010	PART OF LOT 4, NORTH SHORE COTTAGES ACRES -- 980 FERNDAL ROAD WEST	27053C0308E	27053C0308F
LOMA	11-05-1139A	01/04/2011	A PORTION OF LOT 2, SUBDIVISION OF LOT 14 REST POINT PARK LAKE MINNETONKA -- 1406 REST POINT ROAD	27053C0284E	27053C0284F
LOMA	11-05-3412A	02/07/2011	Lot B, Registered Land Survey No. 1428 Subdivision - 2509 Kelly Avenue	27053C0311E	27053C0311F
LOMA	12-05-2092A	01/17/2012	15 SOUTH ORONO ORCHARD ROAD	27053C0302E 27053C0306E	27053C0302F
LOMA	12-05-1895A	02/07/2012	TRACT A, REGISTERED LAND SURVEY NO. 1457 -- 3080 NORTH SHORE DRIVE	27053C0303E	27053C0303F
LOMA	12-05-3029A	03/13/2012	LOT 37, SHADY-WOOD -- 1972 SHADYWOOD ROAD	27053C0303E	27053C0303F
LOMA	12-05-8981A	08/30/2012	A PORTION OF GOVERNMENT LOT 2, SECTION 11, T117N, R23W OF THE 5TH PM -- 1475 SHORELINE DRIVE	27053C0308E	27053C0308F
LOMA	13-05-0972A	12/18/2012	TRACTS A & B, REGISTERED LAND SURVEY NO. 269 -- 3115 NORTH SHORE DRIVE	27053C0303E	27053C0303F
LOMA	13-05-2577A	03/26/2013	LOT 2, BLOCK 1, FOXWOOD 2ND ADDITION -- 710 GANDER ROAD	27053C0304E	27053C0304F

FINAL SUMMARY OF MAP ACTIONS

Community: ORONO, CITY OF

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LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
LOMA	13-05-5237A	05/16/2013	A PORTION OF LOT 7, SECTION 10, TOWNSHIP 117, RANGE 23 -- 825 WILLOW DRIVE	27053C0304E	27053C0304F
LOMA	13-05-5436A	05/30/2013	FOXWOOD SECOND ADDITION, BLOCK 1, LOT 2 -- 710 GANDER ROAD (GARAGE)	27053C0304E	27053C0304F
LOMA	14-05-5201A	04/17/2014	TRACT A, REGISTERED LAND SURVEY NO. 441 -- 1105 FERNDAL ROAD	27053C0308E	27053C0308F
LOMA	14-05-9091A	09/10/2014	Lot 2, Block 1, Bayside Landing Second Addition Subdivision - 3850 Bayside Road	27053C0301E	27053C0301F
LOMA	15-05-0143A	12/09/2014	LOT 7, AUDITOR'S SUBDIVISION NO. 273 -- 3645 NORTH SHORE DRIVE	27053C0303E	27053C0303F
LOMA	15-05-4628A	06/11/2015	SECTION 11, T117N, R23W & DRAGONFLY HILL, BLOCK 1, PT LOT 2 -- 1432 SHORELINE DRIVE	27053C0308E	27053C0308F
LOMA	15-05-5249A	07/27/2015	Lot 8-9, Block 3, Crystal Bay View Subdivision - 3838 Cherry Avenue	27053C0303E	27053C0303F
LOMA	16-05-3097A	03/23/2016	Lot 7, Block 2, Baldur Park Subdivision - 3580 North Shore Drive	27053C0303E	27053C0303F
LOMA	16-05-2752A	04/13/2016	SECTION 20, TOWNSHIP 117, RANGE 23 -- 3061 CASCO POINT ROAD	27053C0311E	27053C0311F

3. LOMCs Superseded

The modifications effected by the LOMCs listed below have not been reflected on the Final revised FIRM panels because they are being superseded by new detailed flood hazard information or the information available was not sufficient to make a determination. The reason each is being superseded is noted below. These LOMCs will no longer be in effect when the revised FIRM becomes effective.

LOMC	Case No.	Date Issued	Project Identifier	Reason Determination Will be Superseded
			NO CASES RECORDED	

1. Insufficient information available to make a determination.
2. Lowest Adjacent Grade and Lowest Finished Floor are below the proposed Base Flood Elevation.
3. Lowest Ground Elevation is below the proposed Base Flood Elevation.
4. Revised hydrologic and hydraulic analyses.
5. Revised topographic information.

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Community: ORONO, CITY OF

Community No: 270178

4. LOMCs To Be Redetermined

The LOMCs in Category 2 above will be revalidated through a single revalidation letter that reaffirms the validity of the determination in the previously issued LOMC. For LOMCs issued for multiple lots or structures where the determination for one or more of the lots or structures has changed, the LOMC cannot be revalidated through this administrative process. Therefore, we will review the data previously submitted for the LOMC requests listed below and issue a new determination for the affected properties after the effective date of the revised FIRM.

LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
			NO CASES RECORDED		