

Map Revisions and New Mapping

Federal & State Requirements



FEMA



Tiffany Lyden, DNRC Floodplain Outreach

Floodplain Maps & Reports

- Form the technical basis for local floodplain management
- Key Tool for Assessing & Communicating Risk



FLOOD INSURANCE STUDY



LAKE COUNTY, MONTANA AND INCORPORATED AREAS

Community Name	Community Number
POULSON, CITY OF	30019
ROXANA, CITY OF	30012
ST. CHARLES, TOWN OF	30023
LAKE COUNTY (UNINCORPORATED AREAS)	30055



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
30047CV0004

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

BEAVERHEAD COUNTY,
MONTANA
(UNINCORPORATED AREAS)

PANEL 1684 OF 3625
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
30001 1684 A

EFFECTIVE DATE:
SEPTEMBER 30, 1982



Federal Emergency Management Agency



They are Your Community's Maps and Reports

- Used for:
 - Permitting, Ordinances/Regulations
 - Flood Insurance - requirements and ratings
 - Mitigation Activities
- Used by:
 - Floodplain Administrators, Planners, Engineers, Insurance Agents, Lenders, Realtors, Surveyors, Sanitarians, Disaster and Emergency Officials
- Important that they Adequately Reflect Current Flood Risk



**Floodplain
Administrators
play a critical role
in having and
maintaining
floodplain maps &
reports that
adequately reflect
the community's
risk**

Floodplain Maps and Reports

FEMA and the State of Montana recognize that changes to the maps and reports over time are necessary due to:

- Improvements in techniques for assessing flood hazards
- Availability of new scientific or technical data
- Changes in physical conditions – natural or human caused



Existing maps and reports were prepared according to approved technical standards

Revisions to those maps and reports need to follow approved processes with specific standards

Processes for Map Revisions/New Mapping

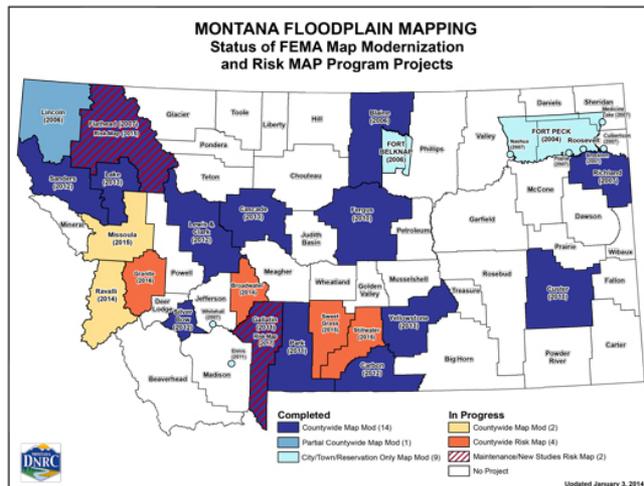
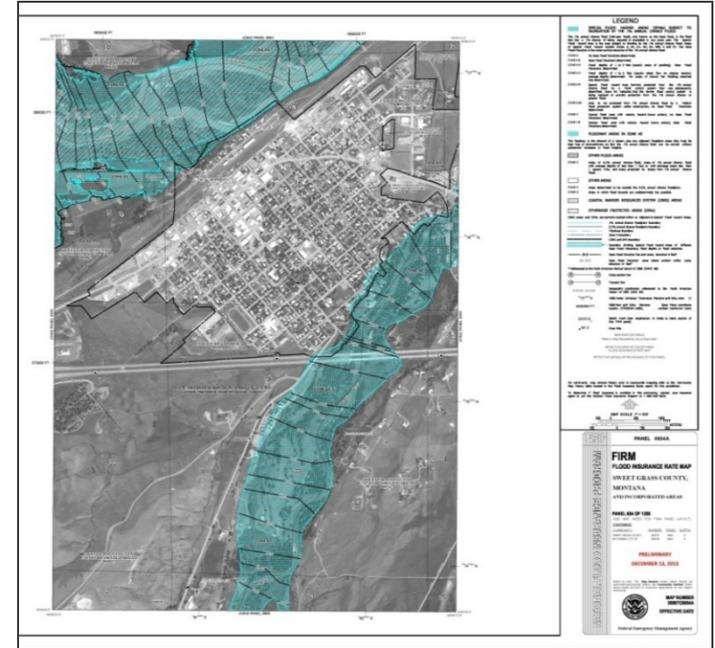
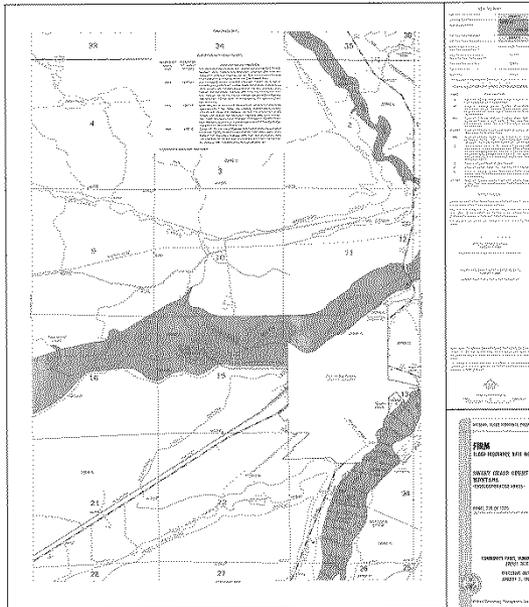
1. FEMA Projects
2. State Adoption Projects
3. Physical Map Revisions (PMRs)
4. Letter of Map Revisions (LOMRs)



State Goals for Map Revisions/New Mapping:

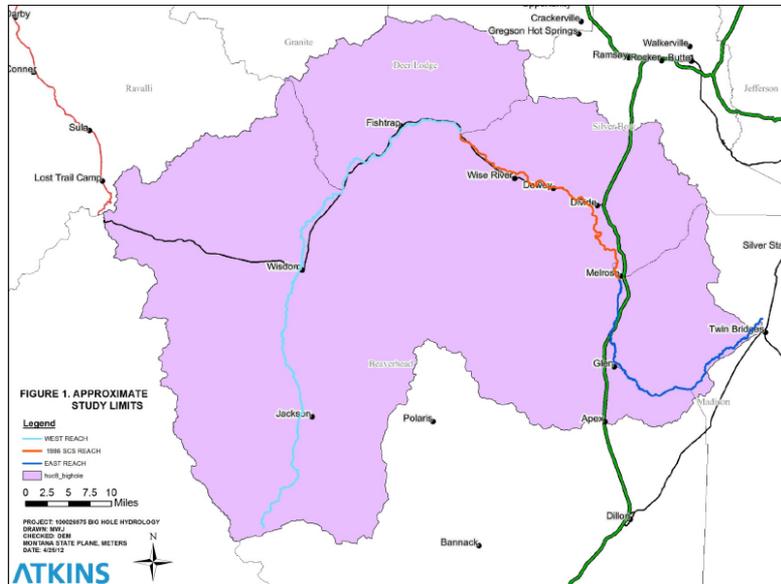
- Consistent engineering and mapping standards
- Concurrent state/federal technical review and approval
- Consistent public notice and adoption procedures

I. FEMA Mapping Projects: County-wide/Community/Watershed



*Replacement Map
Panels Issued*

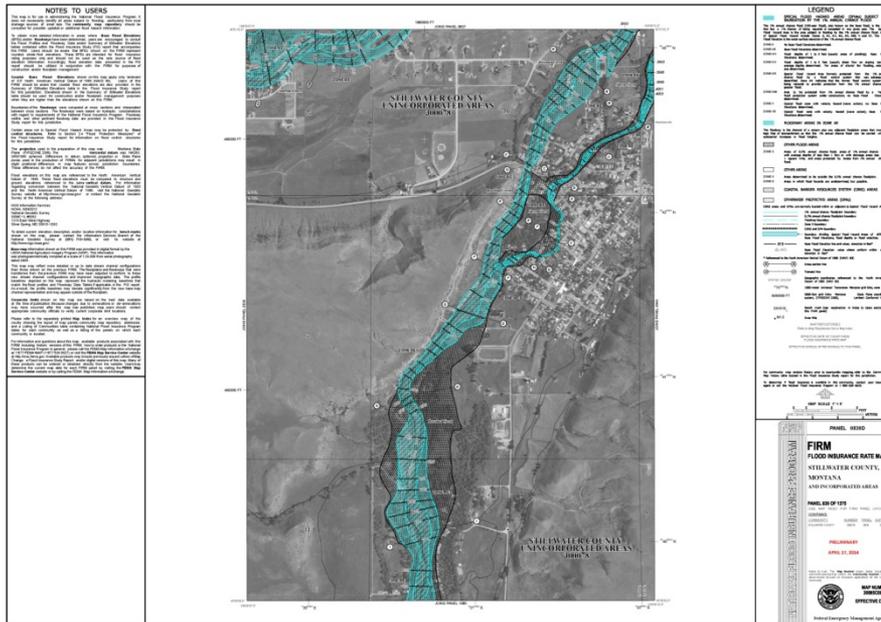
2. State Adoption Projects:



- Adopted by State
- Communities can regulate to maps
- Not used for flood insurance until FEMA adopts

3. Physical Map Revisions (PMRs)

- Large-scale study that gets incorporated into FEMA maps
- Correction/update that involves multiple map panels



*Replacement Map
Panels Issued*

Replacement Map Panels

NFIP **PANEL 1420G**

FIRM
FLOOD INSURANCE RATE MAP
FLATHEAD COUNTY,
MONTANA
AND INCORPORATED AREAS

PANEL 1420 OF 3525
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

<u>COMMUNITY</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
FLATHEAD COUNTY	300023	1420	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
30029C1420G

EFFECTIVE DATE
SEPTEMBER 28, 2007

Federal Emergency Management Agency



NFIP **PANEL 1420H**

FIRM
FLOOD INSURANCE RATE MAP
FLATHEAD COUNTY,
MONTANA
AND INCORPORATED AREAS

PANEL 1420 OF 3525
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

<u>COMMUNITY</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
FLATHEAD COUNTY	300023	1420	H

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
30029C1420H

MAP REVISED
JUNE 18, 2013

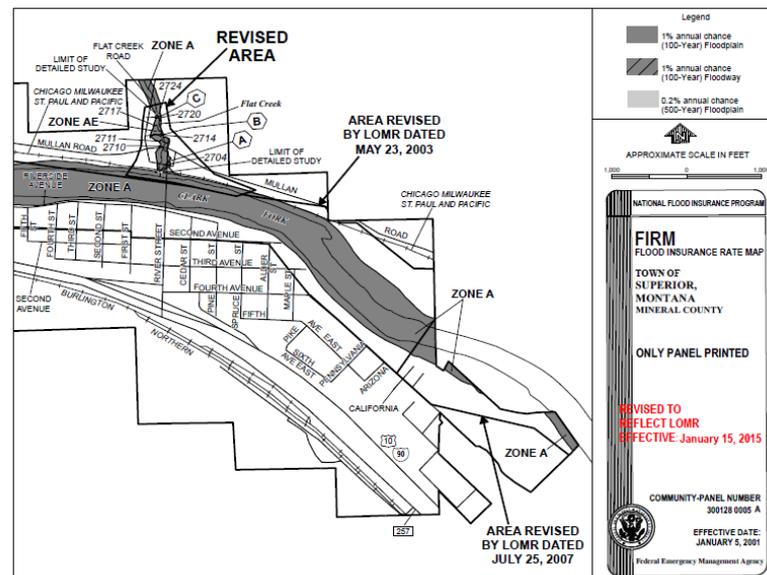
Federal Emergency Management Agency



4. Letter of Map Revisions (LOMRs)*

- Floodplain updates that involve small areas
- Better data, better modeling, physical changes
- Projects that physically change the mapped floodplain

Page 1 of 4		Issue Date: July 16, 2014	Effective Date: January 15, 2015	Case No.: 14-08-030P	LOMR#-A7
 Federal Emergency Management Agency Washington, D.C. 20472					
LETTER OF MAP REVISION DETERMINATION DOCUMENT					
COMMUNITY AND REVISION INFORMATION Town of Superior Mineral County Montana COMMUNITY NO.: 30012B		PROJECT DESCRIPTION CULVERT		BASIS OF REQUEST HYDROLOGIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA	
IDENTIFIER Flat Creek, Town of Superior, Mineral County, Montana		APPROXIMATE LATITUDE & LONGITUDE : 47° 16' N, 114° 01' W SOURCE : USGS LAQUANGLA DATUM, NAD 83		ANNOTATED STUDY ENCLOSURES DATE OF EFFECTIVE FLOOD REVISION STUDY: January 05, 2001 PROJECTS: OIP SUMMARY OF DISCHARGE TABLE: 1	
ANNOTATED MAPPING ENCLOSURES TYPE: FIRM NO.: 30012B00A DATE: January 5, 2001		ANNEXES 1. Enclosures reflect changes to Floodway boundaries related to the request. 2. 2001 Flood Insurance Rate Map (FIRM) Flood Boundary and Floodway Map *** FIRM - Flood Hazard Boundary Map 3. 2001 Flood Insurance Rate Map (FIRM) Flood Boundary and Floodway Map *** FIRM - Flood Hazard Boundary Map 4. Flat Creek - Non-judicial determination by approximately 300 feet upstream of the Chicago Milwaukee St. Paul and Pacific Railroad			
FLOODING SOURCES & REVISED REACHES					
SUMMARY OF REVISIONS					
Flooding Source Flat Creek		Effective Flooding No BFA Zone A		Revised Flooding BFA Zone AE	
		Revisions YES YES		Decreases NONE YES	
** BFA - Base Flood Elevation					
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 attached community. Using the information submitted, we have determined that the request for the flood hazard depicted in the flood insurance study (FIS) report and National Flood Insurance Program (NFIP) map is appropriate. 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 reissues in your community.					
This determination is based on the best data presently available. The enclosed documents provide additional information regarding the determination. If you have any questions about this document, please contact the FEMA Map Information Change Office at 1-877-328-2227 (1-877-FEMA-8227) or by letter addressed to the LOMR Coordinator, 505 South Pease Street, Annapolis, MD 20740-4000. Additional information about the NFIP is available on our website at http://www.fema.gov .					
 Lisa Bergquist, P.E., Chief Engineering Management District Federal Emergency Management Agency		132642 77222-0101-1408010P-020 100-4			



* *FIRM maps and/or FIS reports are not physically revised & republished. They are revised by Letter only.*

Letter of Map Revisions (LOMRs) – FEMA Map Service Center*

Item ID ▲	Item Name	Effective Date	Show LOMC	File Size (Mb)	View	Buy
30029C1415G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007		7.5 Mb		
30029C1420H	FLOOD INSURANCE RATE MAP (FIRM)	06/18/2013	+	27.6 Mb		
30029C1430G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007	+	13.7 Mb		
30029C1435G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007	+	8.7 Mb		
30029C1440G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007	+	19.2 Mb		
30029C1445G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007	+	7.2 Mb		
30029C1590G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007		8.8 Mb		
30029C1595G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007		8.7 Mb		
30029C1625G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007		6.7 Mb		
30029C1800G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007	+	8.8 Mb		
30029C1805G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007	+	10.7 Mb		
30029C1810H	FLOOD INSURANCE RATE MAP (FIRM)	06/18/2013	+	30.4 Mb		
30029C1815G	FLOOD INSURANCE RATE MAP (FIRM)	09/28/2007	-	9.8 Mb		
LOMR	07-08-0771P-300023	10/14/2008				
LOMR	07-08-0771P-300025	10/14/2008				
LOMA	08-08-0480A-300023	04/24/2008				
LOMA	09-08-0590A-300023	05/05/2009				
LOMA	09-08-0672A-300023	06/23/2009				
LOMA	11-08-0256A-300023	02/01/2011				
LOMA	11-08-0393A-300023	02/24/2011				
REVALIDATION	11-08-0476V-300023	06/19/2013				
LOMA	11-08-0761A-300023	06/07/2011				
LOMA	12-08-0974A-300023	10/04/2012				

*FIRM Panel Not
Re-Issued, Need to
look at actual
LOMR document*

* Map Service Center
getting updated

National Flood Hazard Layer

LOMRs are incorporated into National Flood Hazard Layer
(for digital communities)

The screenshot displays the FEMA's National Flood Hazard Layer (Official) web application interface. The main map area shows an aerial view with a blue flood hazard overlay. A red boundary outlines a specific area labeled "PANEL 30029C1385G eff. 9/28/2007". A blue boundary outlines a larger area labeled "LOMR 09-06-02-51P eff. 9/30/2009". The map also features a scale bar at the bottom left and a north arrow at the bottom right. The interface includes a navigation bar at the top with "HOME", "FEMA's National Flood Hazard Layer (Official)", "MODIFY MAP", and "Sign In". Below the navigation bar are options for "Details", "Basemap", "Share", "Print", and "Measure". A search bar is located on the right side of the navigation bar. On the left side, there is a "Contents" panel with a list of layers and their status:

- NFHL (click to expand)
- NFHL Availability
- LOMRs
- LOMAs
- FIRM Panels
- Base Index
- PLSS
- Topological Low Confidence Areas
- River Mile Markers
- Datum Conversion Points
- Coastal Gates

At the bottom of the page, there is a footer with the following text: "Esri.com · Help · Terms of Use · Privacy · Contact Esri · Report Abuse" and "DigitalGlobe, GeoEye, Microsoft, USGS | Copyright...". The Esri logo is also present in the bottom right corner.

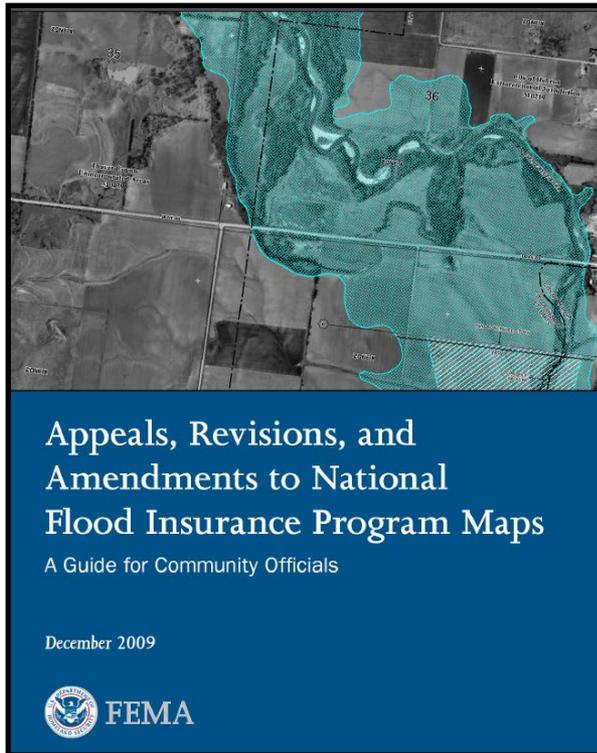
What Does this Mean for Communities?

- All map changes require community involvement
- All map changes involve individual notice to affected landowners (usually done by community)
- All map changes involve legal notice publication in local paper(usually done by FEMA)
- All map changes require an appeal/comment period (usually 90 days)

What Does this Mean for Communities?

- Community collects and reviews appeals/comments, forwards to FEMA
- Once appeals/comments have been reviewed and resolved by FEMA/State, maps are finalized
- Communities need to incorporate map changes into their ordinance/regulations when the changes become effective

Resources/Assistance



DNRC will assist communities with Map Revision and New Mapping Processes



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