



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Gallatin County Montana (Unincorporated Areas)	CHANNELIZATION FILL	FLOODWAY HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 300027		
IDENTIFIER	East Gallatin River Avulsion	APPROXIMATE LATITUDE AND LONGITUDE: 45.725, -111.067 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 30031C0802D DATE: September 2, 2011		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: April 21, 2021 PROFILES: 121P AND 122P FLOODWAY DATA TABLE: 8	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE AND REVISED REACH

East Gallatin River - from approximately 3,120 feet downstream of Springhill Road to Springhill Road

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
East Gallatin River	BFEs*	BFEs	YES	YES
	Floodway	Floodway	YES	YES
	Zone AE	Zone AE	YES	YES
	Zone X (shaded)	Zone X (shaded)	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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacibit, P.E., Branch Chief
Engineering Services 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: 300028 **Name:** City of Bozeman, Montana

AFFECTED MAP PANELS

TYPE: FIRM* NO.: 30031C0802D DATE: September 2, 2011

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: April 21, 2021
PROFILES: 121P AND 122P
FLOODWAY DATA TABLE: 8

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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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 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.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

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 revision has met our criteria for removing an area from the 1-percent-annual-chance floodplain to reflect the placement of fill. However, we encourage you to require that the lowest adjacent grade and lowest floor (including basement) of any structure placed within the subject area be elevated to or above the Base (1-percent-annual-chance) Flood Elevation.

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. Jeanine D. Petterson
Director, Mitigation Division
Federal Emergency Management Agency, Region VIII
Denver Federal Center, Building 710
P.O. Box 25267
Denver, CO 80225-0267
(303) 235-4830

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 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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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

LOCAL NEWSPAPER

Name: *Bozeman Daily Chronicle*

Dates: June 1, 2021 and June 8, 2021

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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Engineering Services Branch
Federal Insurance and Mitigation Administration

FLOODING SOURCE		FLOODWAY			1-PERCENT ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (NAVD88)	WITHOUT FLOODWAY (NAVD88)	WITH FLOODWAY (NAVD88)	INCREASE (FEET)
East Gallatin River (continued)								
AA	20,576	158	419	6.6	4,558.5	4,558.5	4,558.6	0.1
AB	21,081	186	853	3.2	4,562.8	4,562.8	4,562.9	0.1
AC	22,433	402	685	4.0	4,566.5	4,566.5	4,566.9	0.4
AD	23,450	931	1,511	1.8	4,569.6	4,569.6	4,570.0	0.4
AE	25,206	565	696	1.8	4,572.6	4,572.6	4,573.0	0.4
AF	25,733	472	1,006	1.3	4,574.0	4,574.0	4,574.0	0.0
AG	26,573	274	312	4.0	4,576.7	4,576.7	4,576.7	0.0
AH	28,420	385	538	2.3	4,585.9	4,585.9	4,586.2	0.3
AI	30,876	922	2,230	0.6	4,585.9	4,585.9	4,586.2	0.3
AJ	31,458	496	399	3.2	4,589.1	4,589.1	4,589.5	0.4
AK	31,876	1,363	1,616	2.1	4,594.1	4,594.1	4,594.3	0.3
AL	33,723	576	1,250	2.0	4,599.0	4,599.0	4,599.5	0.5
AM	35,148	139	448	5.6	4,602.8	4,602.8	4,602.9	0.1
AN	37,938	551	848	2.9	4,611.4	4,611.4	4,611.9	0.5
AO	40,903	171	483	5.2	4,618.8	4,618.8	4,619.1	0.3
AP	40,952	89	365	6.8	4,619.0	4,619.0	4,619.3	0.3
AQ	41,102	89	496	5.0	4,621.5	4,621.5	4,621.5	0.0
AR	41,316	277	1,353	1.8	4,622.2	4,622.2	4,622.2	0.0
AS	41,739	382	643	4.4	4,622.6	4,622.6	4,622.7	0.1
AT	42,478	458	980	2.6	4,623.2	4,623.2	4,623.6	0.4
AU	43,177	130	374	6.7	4,627.4	4,627.4	4,627.6	0.2
AV	44,473	473	742	3.4	4,633.7	4,633.7	4,634.2	0.5
AW	45,420	60	374	6.7	4,636.9	4,636.9	4,637.1	0.2
AX	47,551	717	658	3.8	4,647.8	4,647.8	4,648.3	0.5
AY	49,074	278	512	4.9	4,654.4	4,654.4	4,654.9	0.5
AZ	52,461	460	1,176	3.1	4,662.8	4,662.8	4,663.2	0.4

REVISED
DATA

¹ Distance in feet above Airport Road

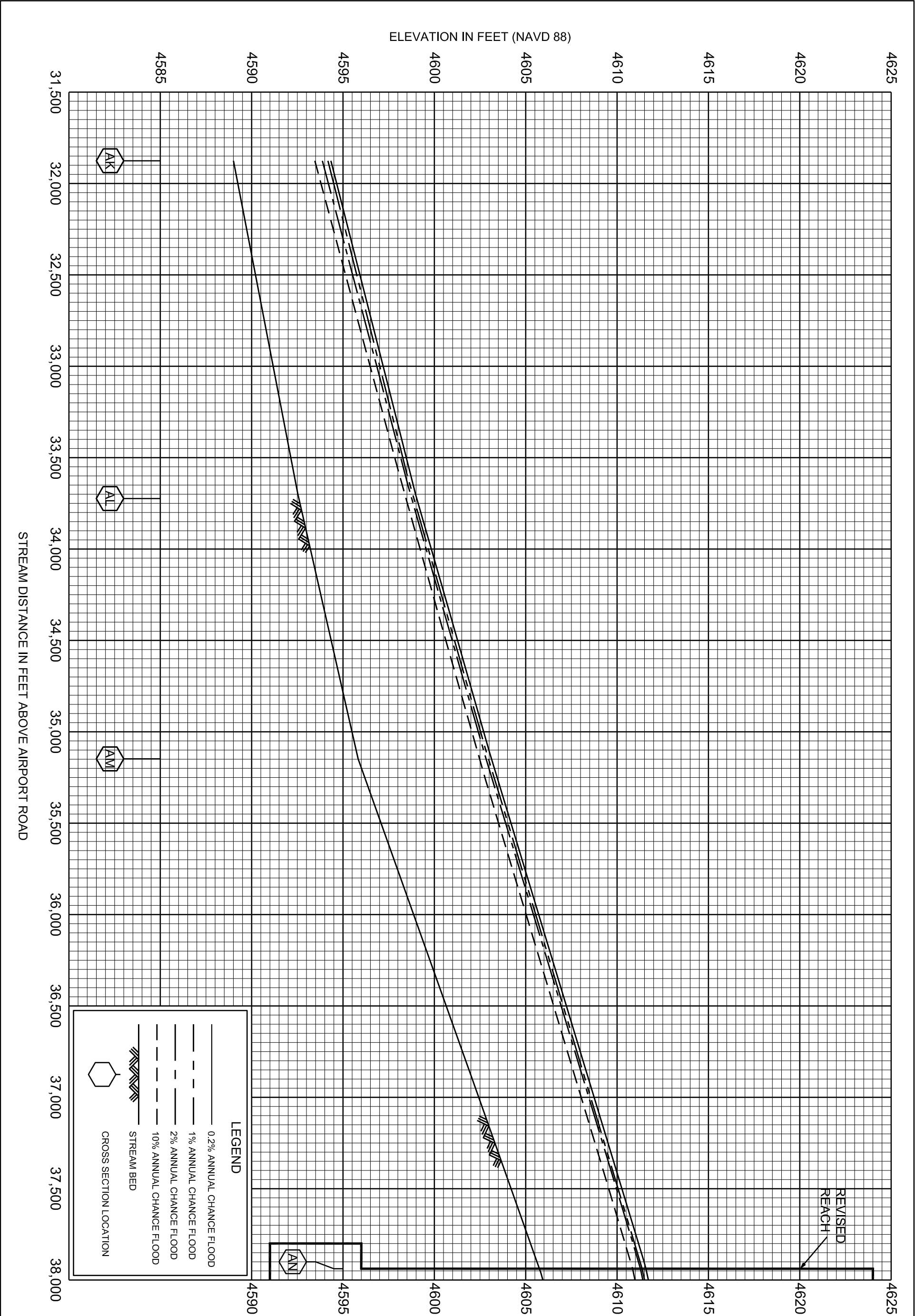
TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY
GALLATIN COUNTY, MT
AND INCORPORATED AREAS

FLOODWAY DATA

EAST GALLATIN RIVER

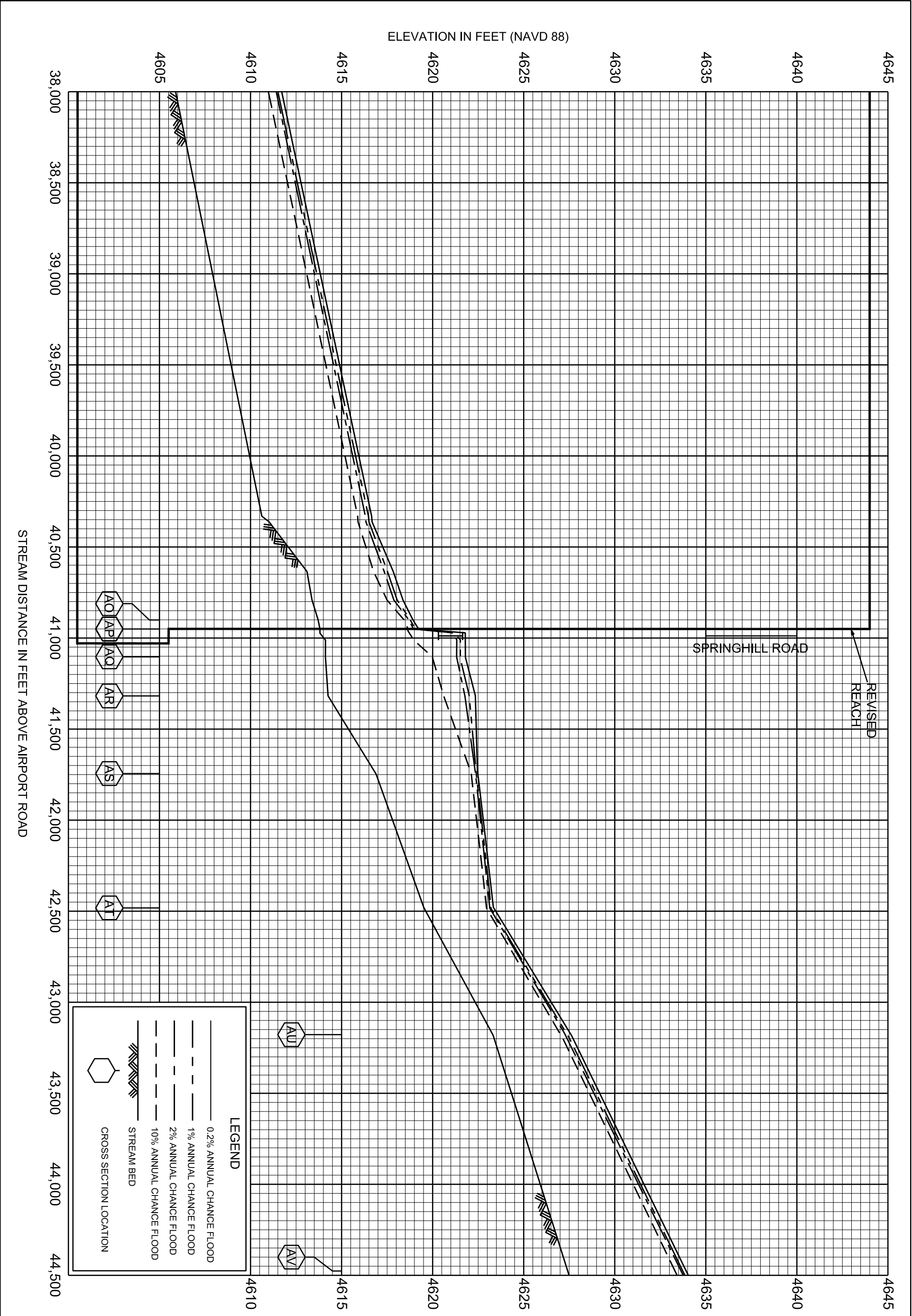
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EFFECTIVE: October 6, 2021

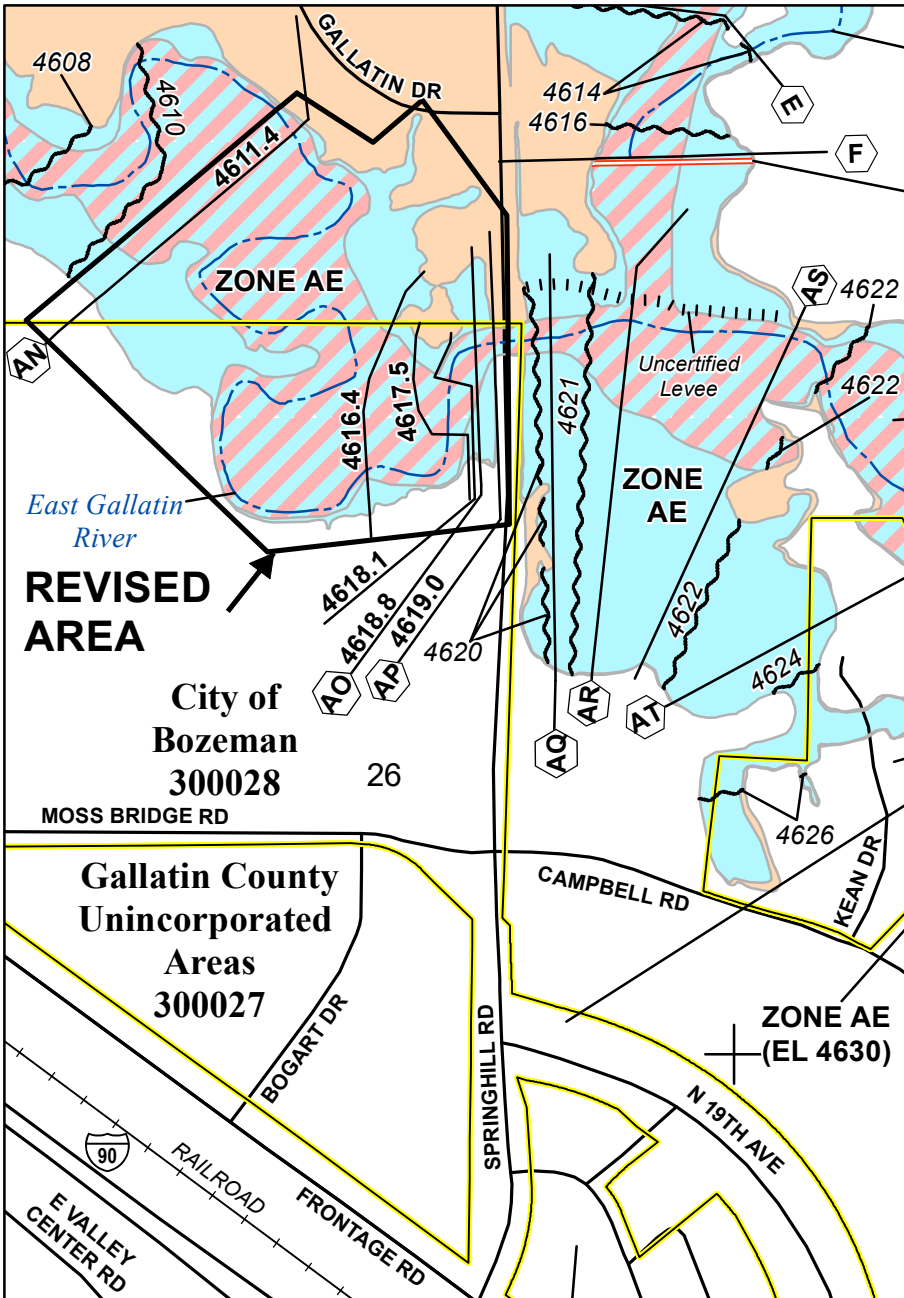


REVISED TO
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FLOOD PROFILES
EAST GALLATIN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
GALLATIN COUNTY, MT
AND INCORPORATED AREAS





East Gallatin River
Golf Course Reach

LIMIT OF STUDY

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 SOUTH, RANGE 5 EAST.

**Gallatin County
Unincorporated
Areas
300027**

**City of
Bozeman
300028**

FLOODING EFFECTS
FROM EAST
GALLATIN RIVER

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

OTHER AREAS OF FLOOD HAZARD

- 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*

SCALE

Map Projection:
Universal Transverse Mercator/NAD 1983 UTM Zone 12N
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 62.5 125 250 Meters

FEMA
National Flood Insurance Program

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

**GALLATIN COUNTY, MONTANA
and Incorporated Areas**

PANEL 802 OF 1725

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
GALLATIN COUNTY	300027	0802	D
BOZEMAN, CITY OF	300028	0802	D

REVISED TO REFLECT LOMR
EFFECTIVE: October 6, 2021

VERSION NUMBER
1.1.1.0
MAP NUMBER
30031C0802D
EFFECTIVE DATE
SEPTEMBER 2, 2011

**REVISED
AREA**

**City of
Bozeman
300028**

**Gallatin County
Unincorporated
Areas
300027**

**Gallatin County
Unincorporated Areas
300027**

JOINS PANEL 0804

45°43'07.5"
111°03'45.0"