

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	1D HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA				
	COMMUNITY NO.: 300027						
IDENTIFIER	Meadowlark Ranch Subdivision	APPROXIMATE LATITUDE & LONGITUDE: 45.787, -111.129 SOURCE: Other DATUM: NAD 83					
	ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES					
TYPE: FIRM*	NO.: 30031C0595D DATE: September 2, 2011	DATE OF EFFECTIVE FLOOD INSURA	NCE STUDY: April 21, 2021				
		PROFILES: 239P- 243P (NEW) SUMMARY OF DISHCARGES TABL	-E: 5				
	t changes to flooding sources affected by this revision. surance Rate Map						
	FLOODING SOURCES	AND REVISED REACHES See Pa	age 2 for Additional Flooding Sources				
	SIIMMADY	OF REVISIONS					
Flooding Source			Increases Decreases				
Hyalite West Overflow No BFEs Zone A Zone A		BFEs Zone AE Zone A	YES NONE YES YES NONE YES				
* BFEs - Base Flo	ood Elevations						
	DETER	MINATION					
regarding a req a revision to the warranted. Th	provides the determination from the Department of Home uest for a Letter of Map Revision (LOMR) for the area de e flood hazards depicted in the Flood Insurance Study (Fl is document revises the effective NFIP map, as indicated by this LOMR for floodplain management purposes and f	scribed above. Using the information S) report and/or National Flood Insural in the attached documentation. Plea	submitted, we have determined that nce Program (NFIP) map is se use the enclosed annotated map				
any questions about to the LOMC Clear	on is based on the flood data presently available. The enclosed out this document, please contact the FEMA Mapping and Insura aringhouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA Logov/flood-insurance.	ance eXchange toll free at 1-877-336-2627 (22304-6426. Additional Information abo	(1-877-FEMA MAP) or by letter addressed				

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OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCES AND REVISED REACHES

Spain Ferris Ditch - From approximately 2,390 feet upstream of the confluence with East Gallatin River to approximately 970 feet upstream of the divergence of Hyalite West Overflow

	SUMMARY OF REVISIONS				
Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases	
Spain Ferris Ditch	No BFEs* Zone A Zone A	BFEs Zone AE Zone A	YES YES YES	NONE 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 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)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID	Number:	300105
		000100

Name: City of Belgrade, Montana

	AFFECTED MAP	PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM*	NO.: 30031C0595D	DATE: September 2, 2011	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: April 21, 2021 PROFILES: 240P-242P (NEW) SUMMARY OF DISCHARGES TABLE: 5

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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.

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 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.

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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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 panels and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

Although the proposed area of revision is shown on the effective FIRM as located within the Unincorporated Areas of Gallatin County, portions of this area have been annexed by the City of Belgrade.

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: December 3, 2021 and December 10, 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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					Peak Discharges (cubic Feet per second)			
	Flooding Source and Location	Drainage Area (Square Miles) *	Hydraulic Cross Section 755	10-Percent- Annual Chance 91	4-Percent- Annual Chance 184	2-Percent- Annual Chance 273	1-Percent- Annual Chance 381	0.2-Percent Annual Chance 669
		*	1,084	91	179	263	357	598
		*	1,266	37	95	163	230	409
		*	1,419	37	95	162	224	369
	At divergence from Nash		-,>	01		102		
	Spring Creek							
	Hyalite West Overflow							
	At Confluence With	*	*	*	*	*	777	*
	Thompson Creek							
	I-90 Diversion							
	Confluence with Heeb	*	3,667	221	256	293	341	647
REVISED	Road West							
DATA	Upstream Limit	*	7,829	219	250	281	319	588
BRIK	I-90 Lateral							
	Upstream Limit	*	7,615	2	6	12	23	60
	I-90 Lateral							
	At divergence for Mill							
	Ditch Diversion	*	3,806	0	33	71	113	220
	I-90 Split							
	At confluence with East Gallatin River	*	*	21	87	155	222	388
	Jefferson River			21	07	155		300
	At Three Forks	9,600	*	18,300	*	25,000	27,600	34,000
	Kagy/Rouse Split	,,000		10,500		23,000	27,000	51,000
	Approximately 500 feet							
	downstream of Kagy	*	556	*	8	25	45	151
	Boulevard	*	550		0	23	45	151
	At divergence from Golf							
	Course Split	*	1,066	0	8	25	45	155
	Lower Black Split							
	I I I I I I I I I I I I I I I I I I I	*	541	3	8	11	11	30
		*	622	3	7	8	13	23
		*	709	4	17	25	39	44
		*	867	4	17	25	39	44
		*	1,266	4	17	28	39	81
				36			REVISED TO REFLECT LOMR	

Table 5. Summary of Discharges

REFLECT LOMR EFFECTIVE: April 11, 2022

			Peak Discharges (cubic Feet per second)					
	Flooding Source and Location	Drainage Area (Square Miles)	Hydraulic Cross Section	10-Percent- Annual Chance	4-Percent- Annual Chance	2-Percent- Annual Chance	1-Percent- Annual Chance	0.2-Percent Annual Chance
	Spain Ferris Ditch Downstream of divergence of Hyalite West Overflow	*	*	*	*	*	1,5871	*
	Upstream of divergence of Hyalite West Overflow	112	*	*	*	*	2,364	*
\int	Tracy Avenue Split At divergence from Figgins Creek Wallace Avenue Split	*	840	54	95	137	153	225
	At confluence with	*	2,786	7^{1}	16 ¹	23 ¹	311	49 ¹
	Bozeman Creek At Tamarack Street At Davis Street	*	* 3,238	14 ¹ 30	25 ¹ 68	33 ¹ 95	41 ¹ 122	60^{1} 188
	At Mendenhall Street At divergence from	*	3,982	11 ¹	24 ¹	34 ¹	45 ¹	74 ¹
REVISED DATA	Church Avenue Split West Gallatin River	*	4,826	29	59	85	113	184
	Headwaters of Gallatin River	1,100	-121	7,668	8,845	9,667	10,450	12,160
	East Overflow Flow Split	1,098	20,324	7,653	8,739	9,491	10,205	11,735
	Confluence with Baker Creek	1,097	21,688	7,664	8,766	9,535	10,269	11,859
	Flow Split to Baker Creek North I-90	1,097	24,752	7,081	7,942	8,516	9,037	9,961
	Flow Split to Baker Creek North I-90	1,096	26,546	7,181	8,105	8,724	9,293	10,321
	Flow Split to Baker Creek at I-90	1,079	38,860	7,296	8,276	8,938	9,548	10,655
	Flow Split to Baker Creek South I-90	1,075	42,105	7,418	8,424	9,114	9,760	11,124
	Flow Split to Baker Creek at North Diversion	1,023	68,398	7,419	8,430	9,126	9,783	11,183
	Flow Split to Baker Creek at Moreland Ditch	1,010	75,810	7,454	8,468	9,165	9,824	11,228
	¹ Discharge decrease downs	tream due to flow lo	ss to split	42			REVISED TO REFLECT LOMR EFFECTIVE: Apri	l 11. 2022

Table 5. Summary of Discharges

EFFECTIVE: April 11, 2022











