Page 1 of 5 | Issue Date: January 30, 2019 | Effective Date: June 17, 2019 | Case No.: 18-03-1881P | LOMR-APP



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

	COMMUNITY AND REVISION INFORMATION	PROJECT DESCRIPTION	BASIS OF REQUEST		
COMMUNITY	Greenbrier County West Virginia (Unincorporated Areas)	FILL	FLOODWAY HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA		
	COMMUNITY NO.: 540040				
IDENTIFIER	Greenbrier Residential Development	APPROXIMATE LATITUDE AND LONGITUDE: 37.781, -80.322 SOURCE: Precision Mapping Streets DATUM: NAD 83			
	ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES			
TYPE: FIRM* TYPE: FIRM	NO.: 54025C0665E DATE: October 16, 2012 NO.: 54025C0670E DATE: October 16, 2012	DATE OF EFFECTIVE FLOOD INSURA PROFILES: 13P AND 14P FLOODWAY DATA TABLE: 7	NCE STUDY: October 16, 2012		

Enclosures reflect changes to flooding sources affected by this revision.

FLOODING SOURCE AND REVISED REACH

Howard Creek - from approximately 3,280 feet downstream of U.S. Route 60 to approximately 7,840 feet upstream of U.S. Route 60

SUMMARY OF REVISIONS								
Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases				
Howard Creek	Zone AE	Zone AE	YES	YES				
	Zone X (shaded)	Zone X (shaded)	YES	YES				
	Floodway	Floodway	YES	YES				
	BFEs*	BFEs	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 Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the 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/national-flood-insurance-program.

Patrick "Rick" F. Sacbibit, P. E., Branch Chief Engineering Services Branch

Federal Insurance and Mitigation Administration

18-03-1881P

102-I-A-C

^{*} FIRM - Flood Insurance Rate Map

Page 2 of 5 | Issue Date: January 30, 2019 | Effective Date: June 17, 2019 | Case No.: 18-03-1881P | LOMR-APP



TYPE: FIRM

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 540045 Name: City of White Sulphur Springs, West Virginia

AFFECTED MAP PANELS

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

NO.: 54025C0665E

DATE: October 16, 2012

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 16, 2012

PROFILES: 13P AND 14P FLOODWAY DATA TABLE: 7

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 Information 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/national-flood-insurance-program.

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18-03-1881P



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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.

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.

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 Map Information 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/national-flood-insurance-program.

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Federal Insurance and Mitigation Administration

Page 4 of 5 | Issue Date: January 30, 2019 | Effective Date: June 17, 2019 | Case No.: 18-03-1881P | LOMR-APP



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

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. Janice Barlow
Director, Mitigation Division
Federal Emergency Management Agency, Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404
(215) 931-5512

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.

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 Information 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/national-flood-insurance-program.

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18-03-1881P 102-I-A-C

Page 5 of 5 Issue Date: January 30, 2019 Effective Date: June 17, 2019 Case No.: 18-03-1881P LOMR-APP



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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: West Virginia Daily News

Dates: February 8, 2019 and February 15, 2019

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 Map Information 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/national-flood-insurance-program.

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18-03-1881P 102-I-A-C

	FLOODING SOURCE		FLOODWAY		BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)				
	CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
	Howard Creek								
REV	A B C D F G H I J K L M N O P Q R S	2,960 6,070 8,190 12,500 17,960 20,130 23,400 29,540 31,350 34,060 36,830 38,486 39,076 39,979 41,469 43,872 45,906 46,386 47,750	260 155 131 186 300 300 430 460 1,174 420 353 650 330 111 492 108 285 367 494	2,000 1,332 2,276 1,417 2,838 2,484 1,823 2,677 5,919 2,800 2,100 2,249 3,654 1,212 1,390 750 2,115 2,726 1,795	10.8 16.1 9.4 15.2 6.4 7.4 9.7 6.5 2.9 6.2 8.2 7.4 6.9 11.8 11.9 11.9 4.9 3.7 6.8	1,693.7 1,709.1 1,730.0 1,744.2 1,766.1 1,773.0 1,788.8 1,811.4 1,815.3 1,829.0 1,833.1 1,841.2 1,844.6 1,844.9 1,851.5 1,862.0 1,873.9 1,873.9 1,877.2	1,693.7 1,709.1 1,730.0 1,744.2 1,766.1 1,773.0 1,788.8 1,811.4 1,815.3 1,829.0 1,833.1 1,844.2 1,844.6 1,844.9 1,851.5 1,862.0 1,872.9 1,873.9 1,877.2	1,693.8 1,709.1 1,730.3 1,744.2 1,766.6 1,774.0 1,789.1 1,811.5 1,815.8 1,829.2 1,833.2 1,841.4 1,845.3 1,845.8 1,845.8 1,851.5 1,862.4 1,873.9 1,874.8 1,877.9	0.1 0.0 0.3 0.0 0.5 1.0 0.3 0.1 0.5 0.2 0.1 0.2 0.7 0.9 0.0 0.4 1.0 0.9 0.7

¹ Feet above confluence with Greenbrier River

TABLE 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

GREENBRIER COUNTY, WV AND INCORPORATED AREAS

FLOODWAY DATA REFLECT LOMR

REVISED TO REFLECT LOMR EFFECTIVE: June 17, 2019

HOWARD CREEK







