



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Town of Hamlin Lincoln County West Virginia	NO PROJECT	BASE MAP CHANGES FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 540089		
IDENTIFIER	Mud River / Hamlin Methodist Church	APPROXIMATE LATITUDE AND LONGITUDE: 38.278, -82.120 SOURCE: Precision Mapping Streets DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 54043C0070D DATE: October 16, 2013	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 16, 2013	
TYPE: FIRM	NO.: 54043C0086D DATE: October 16, 2013	PROFILE: 10P FLOODWAY DATA TABLE: 6 SUMMARY OF DISCHARGES TABLE: 3	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCES AND REVISED REACHES

Mud River - from approximately 1,200 feet upstream of South Walnut Street to approximately 6,450 feet upstream of Lincoln Panther Way

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Mud River	Floodway	Floodway	YES	YES
	Zone AE	Zone AE	YES	YES
	BFE*	BFE	NONE	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 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>.

Patrick "Rick" F. Sacbbit, 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: 540088 **Name:** Lincoln County, West Virginia

AFFECTED MAP PANELS

TYPE: FIRM	NO.: 54043C0088D	DATE: October 16, 2013
TYPE: FIRM	NO.: 54043C0086D	DATE: October 16, 2013
TYPE: FIRM	NO.: 54043C0086D	DATE: October 16, 2013

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 16, 2013
 PROFILE: 10P
 FLOODWAY DATA TABLE: 6
 SUMMARY OF DISCHARGES TABLE: 3

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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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 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 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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Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



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**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:

Mr. Eugene K. Gruber
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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**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: *The Lincoln Journal*

Dates: April 11, 2018 and April 18, 2018

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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Engineering Services Branch
Federal Insurance and Mitigation Administration

TABLE 3 – SUMMARY OF DISCHARGES – (continued)

<u>Flooding Source and Location</u>	<u>Drainage Area (square miles)</u>	<u>Peak Discharges (cubic feet per second)</u>			
		<u>10-Percent- Annual-Chance</u>	<u>2-Percent- Annual-Chance</u>	<u>1-Percent- Annual-Chance</u>	<u>0.2-Percent- Annual-Chance</u>
LITTLE COAL RIVER (continued)					
Upstream of confluence of Lick Creek	281.6	*	*	47,000	*
At Danville gage (USGS Gage No. 3199000)	268.8	*	*	44,000	*
MIDDLE FORK MUD RIVER					
At the confluence with Mud River	50.9	5,020	7,800	9,000	12,200
Immediately above confluence of Trace Creek	45.0	4,700	7,100	8,300	11,200
Immediately about confluence of Scary Creek	34.6	3,800	6,000	6,900	9,400
Immediately above confluence of Merritt Creek	30.3	3,400	5,400	6,300	8,600
MUD RIVER					
At Milton gage (USGS Gage No. 3204500)	256.0	11,200	15,800	17,800	22,900
Immediately above confluence of Trace Fork	163.0	9,200	12,800	14,300	18,100
Immediately above confluence of Middle Fork Mud River	93.0	2,235	4,243	5,348	12,597
Immediately above confluence of Mahone Creek	90.4	6,850	10,100	11,500	15,000
At the confluence with Mud River	50.9	5,020	7,800	9,000	12,200
Immediately above confluence of Big Laurel Creek	70.2	5,950	8,900	10,200	13,600
Immediately above confluence of Big Creek	58.0	5,350	8,000	9,200	12,200
Immediately above confluence of Parsner Creek	51.8	4,900	7,500	8,600	11,500
PORTER FORK					
At the confluence with Straight Fork	3.9	800	1,400	1,700	2,500
STRAIGHT FORK					
At confluence with Sugartree Fork and Middle Fork Mud River	16.3	2,180	3,500	4,100	5,800
Immediately above confluence of Valley Fork	11.7	1,700	2,800	3,300	4,700
Immediately above confluence of Porter Fork	4.2	840	1,500	1,800	2,680
* Data not available					

REVISED DATA

Immediately above confluence of Middle Fork Mud River	93.0	2,235	4,243	5,348	12,597
Immediately above confluence of Mahone Creek	90.4	6,850	10,100	11,500	15,000

REVISED TO REFLECT LOMR EFFECTIVE: August 16, 2018

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER-SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
MUD RIVER (continued)								
L	40.58	501	6,997	2.0	633.2	633.2	634.0	0.8
M	41.34	595	6,467	2.2	633.8	633.8	634.5	0.7
N	42.07	946	8,785	1.6	635.3	635.3	636.0	0.7
O	43.08	556	4,610	2.6	637.6	637.6	638.3	0.7
P	43.89	547	4,540	2.6	640.0	640.0	640.6	0.6
Q	44.62	431	3,262	1.6	639.7	639.7	640.7	1.0
R	45.19	226	2,007	2.7	641.2	641.2	642.1	0.9
S	45.73	516	2,136	1.7	642.0	642.0	642.9	0.9
T	46.18	413	2,540	2.1	643.3	643.3	644.2	0.9
U	46.91	385	3,891	3.0	650.1	650.1	650.8	0.7
V	47.71	411	3,688	3.1	653.2	653.2	653.9	0.7
W	48.61	629	6,937	1.7	656.3	656.3	657.0	0.7
X	49.71	256	3,444	3.3	661.0	661.0	661.8	0.8
Y	50.41	297	3,694	3.1	664.1	664.1	664.8	0.7
Z	51.06	935	9,983	1.2	665.9	665.9	666.7	0.8
AA	52.15	275	3,590	3.2	669.6	669.6	670.4	0.8
AB	52.85	240	2,968	3.9	672.5	672.5	673.3	0.8
AC	53.62	298	4,493	2.6	675.0	675.0	676.0	1.0

¹ Miles above confluence with Guyandotte River

**T
A
B
L
E
6**

FEDERAL EMERGENCY MANAGEMENT AGENCY

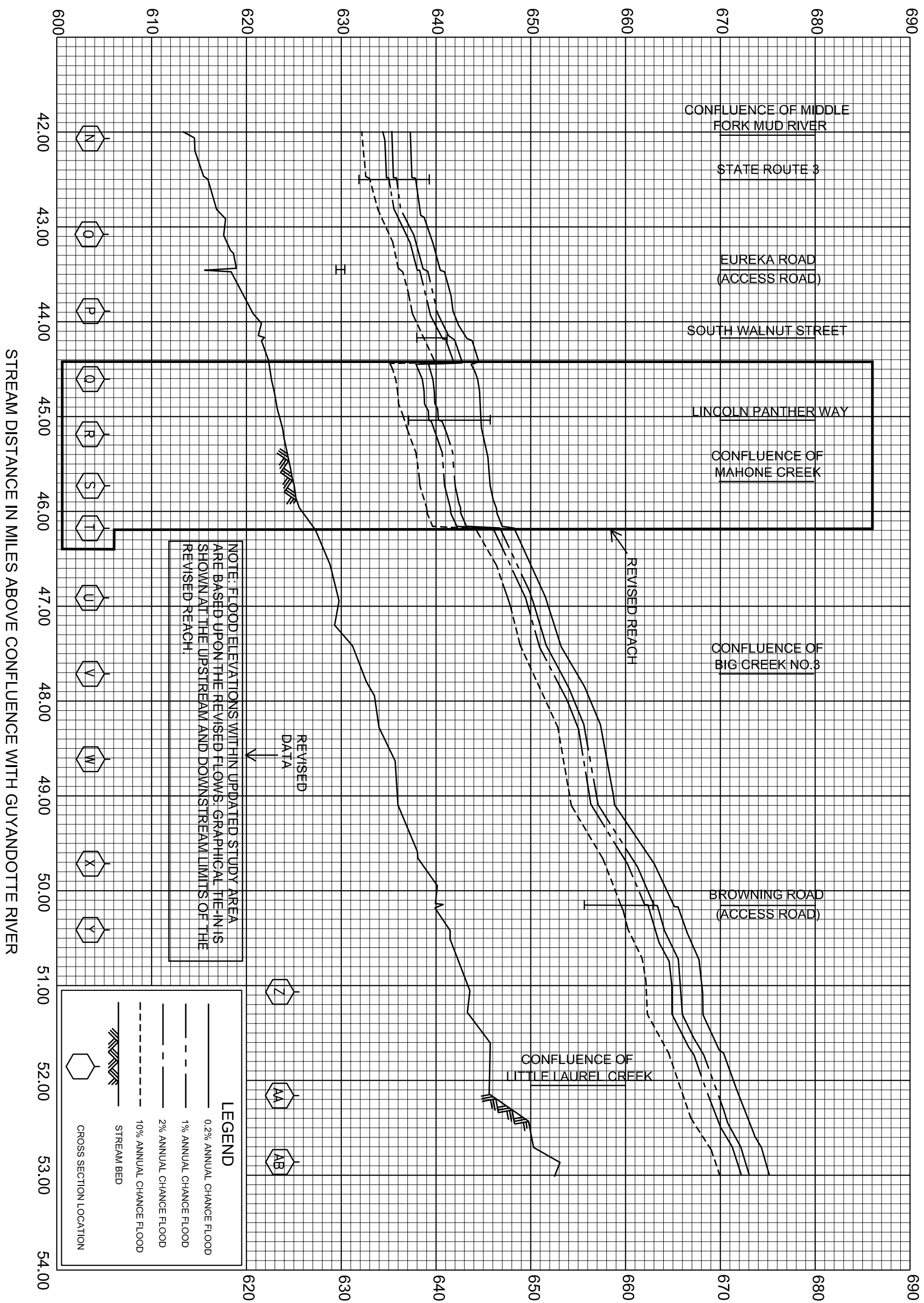
**LINCOLN COUNTY, WV
AND INCORPORATED AREAS**

FLOODWAY DATA

**REVISED TO
REFLECT LOMR
EFFECTIVE: August 16, 2018**

MUD RIVER

ELEVATION IN FEET (NAVD 88)



NOTE: FLOOD ELEVATIONS WITHIN UPDATED STUDY AREA ARE BASED UPON THE REVISED FLOWS. GRAPHICAL THEINIS SHOWN AT THE UPSTREAM AND DOWNSTREAM LIMITS OF THE REVISED REACH.

LEGEND

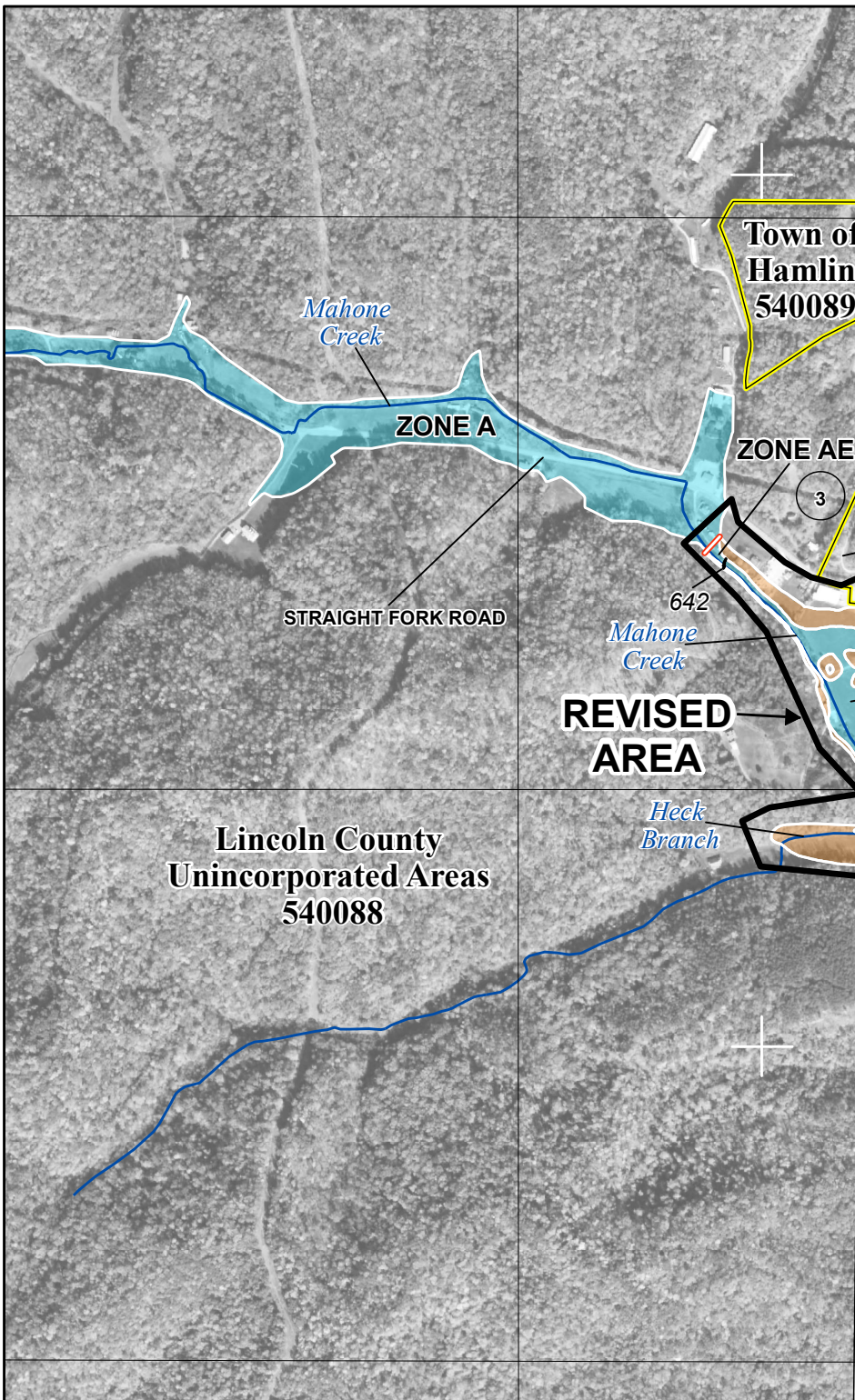
- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- - - 2% ANNUAL CHANCE FLOOD
- - - 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY
LINCOLN COUNTY, WV
 AND INCORPORATED AREAS

FLOOD PROFILES

REVISED TO REFLECT LOMR
 EFFECTIVE: August 16, 2018

MUD RIVER



Map labels and coordinates:

- 42°38'00"mN
- 42°36'00"mN
- JOINS PANEL 0086
- JOINS PANEL 0088
- 3
- 642

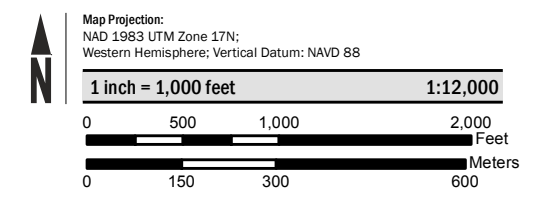
SPECIAL FLOOD HAZARD AREAS

- 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 NOTE: BASEMAP IMAGERY WAS OBTAINED FROM NAIP IN 2014.



FEMA
 National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP

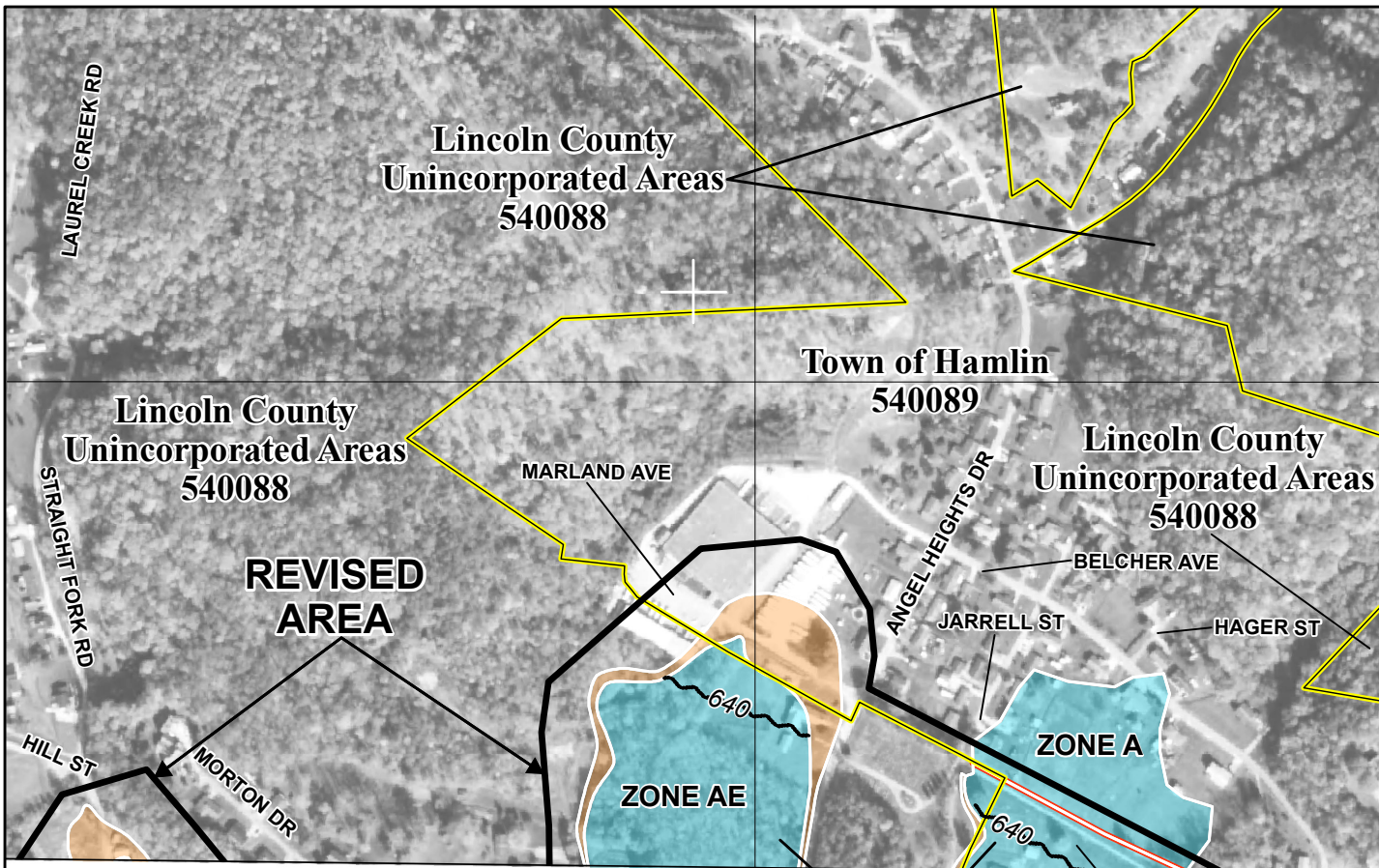
LINCOLN COUNTY, WEST VIRGINIA
 and Incorporated Areas
 PANEL 70 OF 430

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
HAMLIN, TOWN OF	540089	0070	D
LINCOLN COUNTY	540088	0070	D
WEST HAMLIN, TOWN OF	540090	0070	D

REVISED TO REFLECT LOMR
 EFFECTIVE: August 16, 2018

VERSION NUMBER 2.1.3.0
 MAP NUMBER 54043C0070D
 EFFECTIVE DATE OCTOBER 16, 2013



Lincoln County
Unincorporated Areas
540088

Town of Hamlin
540089

Lincoln County
Unincorporated Areas
540088

Lincoln County
Unincorporated Areas
540088

REVISED
AREA

ZONE AE
640
ZONE A
640
ZONE AE

JOINS PANEL 0088

403⁰⁰⁰mE

FLOODING EFFECTS
FROM MUD RIVER

SPECIAL FLOOD HAZARD AREAS

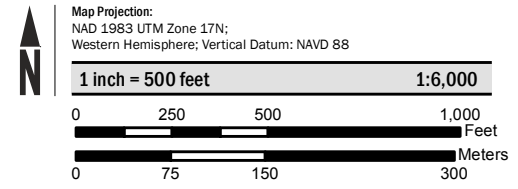
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SCALE

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FEMA
National Flood Insurance Program

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

LINCOLN COUNTY, WEST VIRGINIA
and Incorporated Areas
PANEL 86 of 430



Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
HAMLIN, TOWN OF	540089	0086	D
LINCOLN COUNTY	540088	0086	D

**REVISED TO
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VERSION NUMBER
2.1.3.0
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54043C0086D
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