



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Clark County Washington (Unincorporated Areas)	NO PROJECT	1D HYDRAULIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 530024		
IDENTIFIER	Lewis River In Clark County, WA	APPROXIMATE LATITUDE & LONGITUDE: 45.916, -122.723 SOURCE: OTHER      DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*      NO.: 53011C0061D      DATE: September 5, 2012 TYPE: FIRM      NO.: 53011C0062D      DATE: September 5, 2012		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: January 19, 2018 PROFILES: 71P AND 72P FLOODWAY DATA TABLE: 9	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE(S) & REVISED REACH(ES)

Lewis River - From approximately 7.66 miles above the river mouth to approximately 8.60 miles above the river mouth

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Lewis 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 (1-percent-annual-chance) 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. Sacbibit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration

23-10-0005P

102-I-A-C



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### OTHER COMMUNITIES AFFECTED BY THIS REVISION

**CID Number:** 530032      **Name:** Unincorporated Areas of Cowlitz County, Washington

AFFECTED MAP PANELS			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM	NO.: 53015C0886G	DATE: December 16, 2015	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: December 16, 2015 PROFILES: 98P AND 99P FLOODWAY DATA TABLE: 15
TYPE: FIRM	NO.: 53015C0887G	DATE: December 16, 2015	

**CID Number:** 530035      **Name:** City of Woodland, Washington

AFFECTED MAP PANELS			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM	NO.: 53015C0886G	DATE: December 16, 2015	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: December 16, 2015 PROFILES: 98P AND 99P FLOODWAY DATA TABLE: 15

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.

#### 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 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>.

A handwritten signature in black ink, appearing to read "Rick F. Sacbitt".

Patrick "Rick" F. Sacbitt, 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:

Kristen Meyers  
Director, Mitigation Division  
Federal Emergency Management Agency, Region X  
Federal Regional Center  
130 228th Street, Southwest  
Bothell, WA 98021-8627  
(425) 487-4543

### 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 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](https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp)

#### LOCAL NEWSPAPER

Name: *The Reflector*

Dates: January 4, 2023 and January 11, 2023

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 <sup>1</sup>	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F. P. S.)	REGULATORY (NAVD88)	WITHOUT FLOODWAY (NAVD88)	WITH FLOODWAY (NAVD88)	INCREASE
LEWIS RIVER								
A	0.67	969 / 550 <sup>2</sup>	17,362	7.6	26.5	20.6	21.6	1.0
B	1.19	818 / 400 <sup>2</sup>	15,387	8.6	26.5	22.0	23.0	1.0
C	1.70	788 / 400 <sup>2</sup>	17,223	7.7	26.5	23.5	24.5	0.7
D	1.75	799 / 350 <sup>2</sup>	16,995	7.8	26.5	24.2	25.2	1.0
E	2.38	884 / 420 <sup>2</sup>	17,318	7.7	26.5	26.0	26.6	0.6
F	2.98	636 / 240 <sup>2</sup>	14,395	9.2	27.2	27.2	28.0	0.8
G	3.18	536 / 236 <sup>2</sup>	12,769	10.4	27.7	27.7	28.4	0.7
H	3.38	1,090 / 240 <sup>2</sup>	16,615	8.0	28.6	28.6	29.3	0.7
I	3.70	1,130 / 500 <sup>2</sup>	19,165	5.3	30.4	30.4	30.9	0.5
J	3.90	655 / 320 <sup>2</sup>	15,104	6.8	30.6	30.6	31.1	0.5
K	4.29	1,151 / 850 <sup>2</sup>	19,207	5.3	31.2	31.2	31.7	0.5
L	5.01	715 / 315 <sup>2</sup>	17,108	6.0	32.1	32.1	32.7	0.6
M	5.27	547 / 247 <sup>2</sup>	12,906	7.9	32.1	32.1	32.7	0.6
N	5.35	660 / 310 <sup>2</sup>	15,763	6.5	32.7	32.7	33.3	0.6
O	5.42	581 / 320 <sup>2</sup>	14,943	6.8	32.8	32.8	33.4	0.6
P	5.48	511 / 250 <sup>2</sup>	14,815	6.9	32.8	32.8	33.4	0.6
Q	5.95	762	17,384	5.9	33.7	33.7	34.2	0.5
R	6.54	490 / 210 <sup>2</sup>	13,418	7.6	34.5	34.5	35.5	1.0
S	7.13	512 / 232 <sup>2</sup>	14,974	6.8	35.9	35.9	36.7	0.8
T	7.69	1,550 / 330 <sup>2</sup>	24,697	4.1	37.0	37.0	37.8	0.8
U	8.12	674 / 281 <sup>2</sup>	15,681	6.5	37.3	37.3	38.2	0.9
V	8.37	625 / 209 <sup>2</sup>	16,897	6.0	37.8	37.8	38.7	0.9
W	8.60	600 / 174 <sup>2</sup>	14,967	6.8	38.0	38.0	39.0	1.0
X	9.20	1,709 / 1,530 <sup>2</sup>	27,613	3.7	39.8	39.8	40.6	0.8
Y	9.85	1,420 / 1,300 <sup>2</sup>	28,526	3.6	40.6	40.6	41.5	0.9
Z	10.69	3,021 / 2,836 <sup>2</sup>	33,201	3.1	41.5	41.5	42.4	0.9

<sup>(1)</sup>Stream distance in miles above mouth

<sup>(2)</sup>Width/width within county limits

<sup>(3)</sup>Elevation computed without consideration of backwater from Columbia River

REVISED DATA

REVISED TO  
REFLECT LOMR  
EFFECTIVE: May 11, 2023

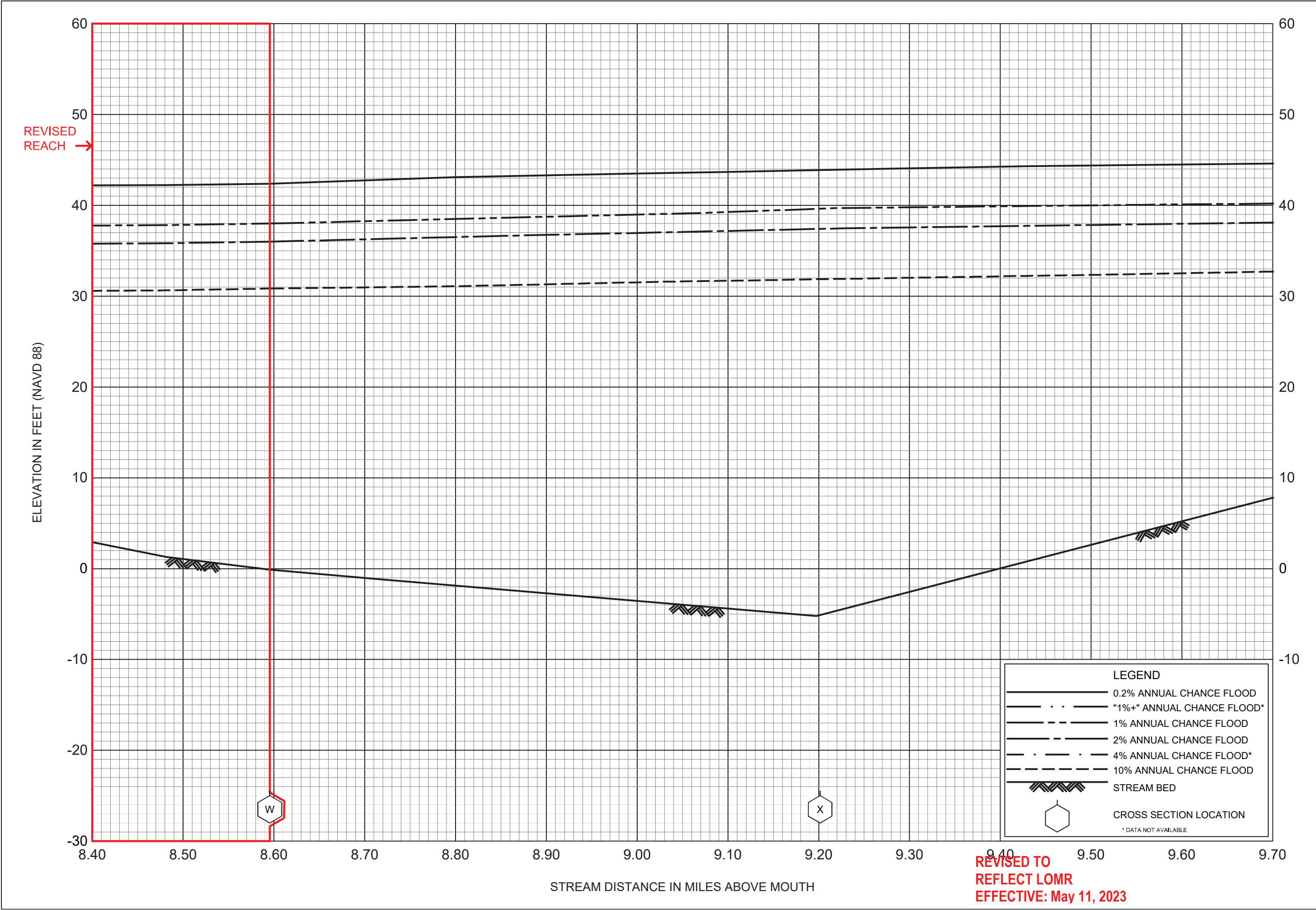
TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY  
CLARK COUNTY, WASHINGTON  
AND INCORPORATED AREAS

FLOODWAY DATA

LEWIS RIVER





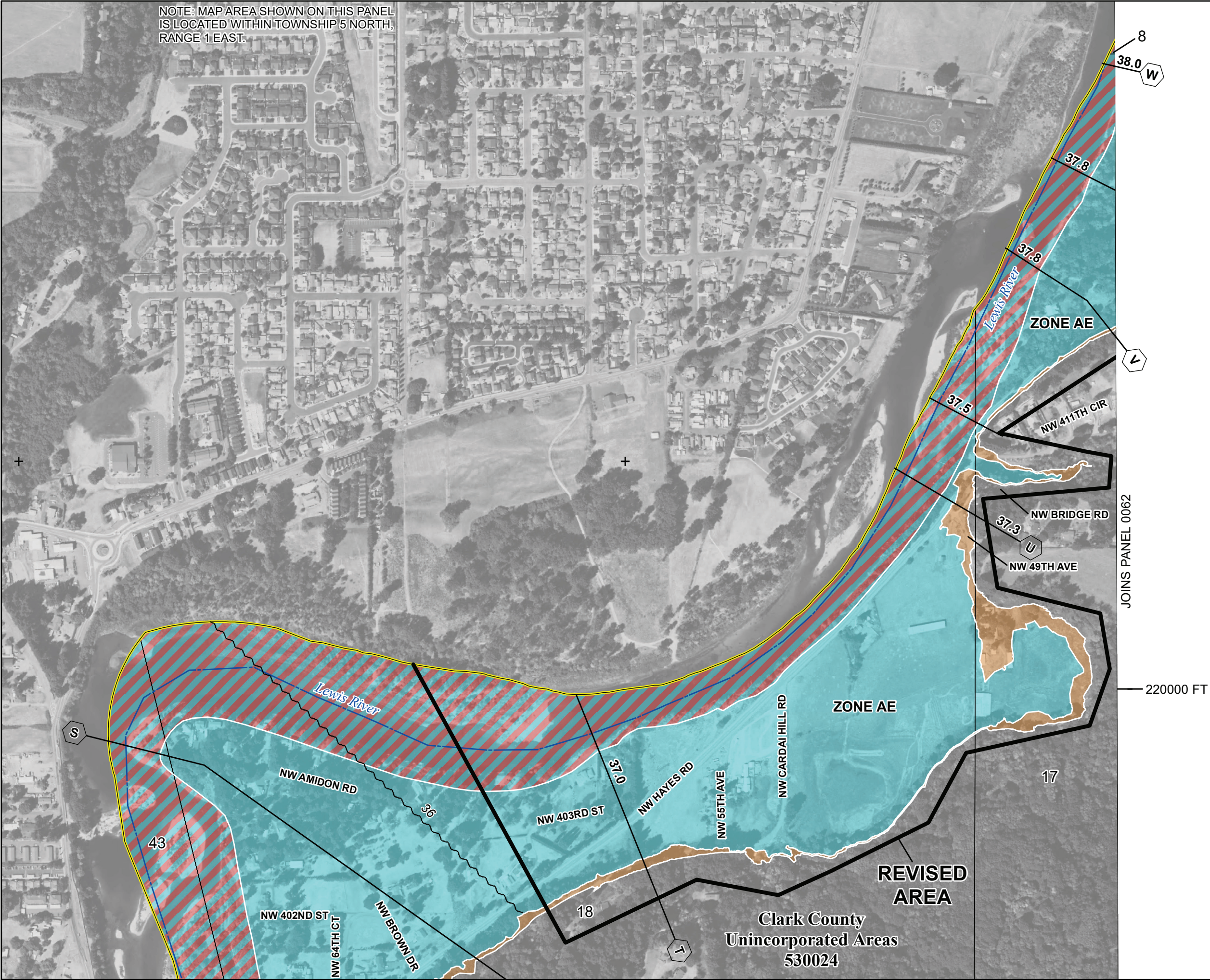
FLOOD PROFILES

LEWIS RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY  
CLARK COUNTY, WA  
AND INCORPORATED AREAS



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



**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:  
NAD 1983 UTM Zone 10N;  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet      1:6,000

0 250 500 1,000 Feet  
0 75 150 300 Meters

**FEMA**  
National Flood Insurance Program  
FLOOD INSURANCE RATE MAP

**CLARK COUNTY, WASHINGTON**  
and Incorporated Areas

PANEL **61** OF **600**

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
CLARK COUNTY	530024	0061	D

**REVISED TO REFLECT LOMR EFFECTIVE: May 11, 2023**

VERSION NUMBER  
2.1.3.0

MAP NUMBER  
53011C0061D

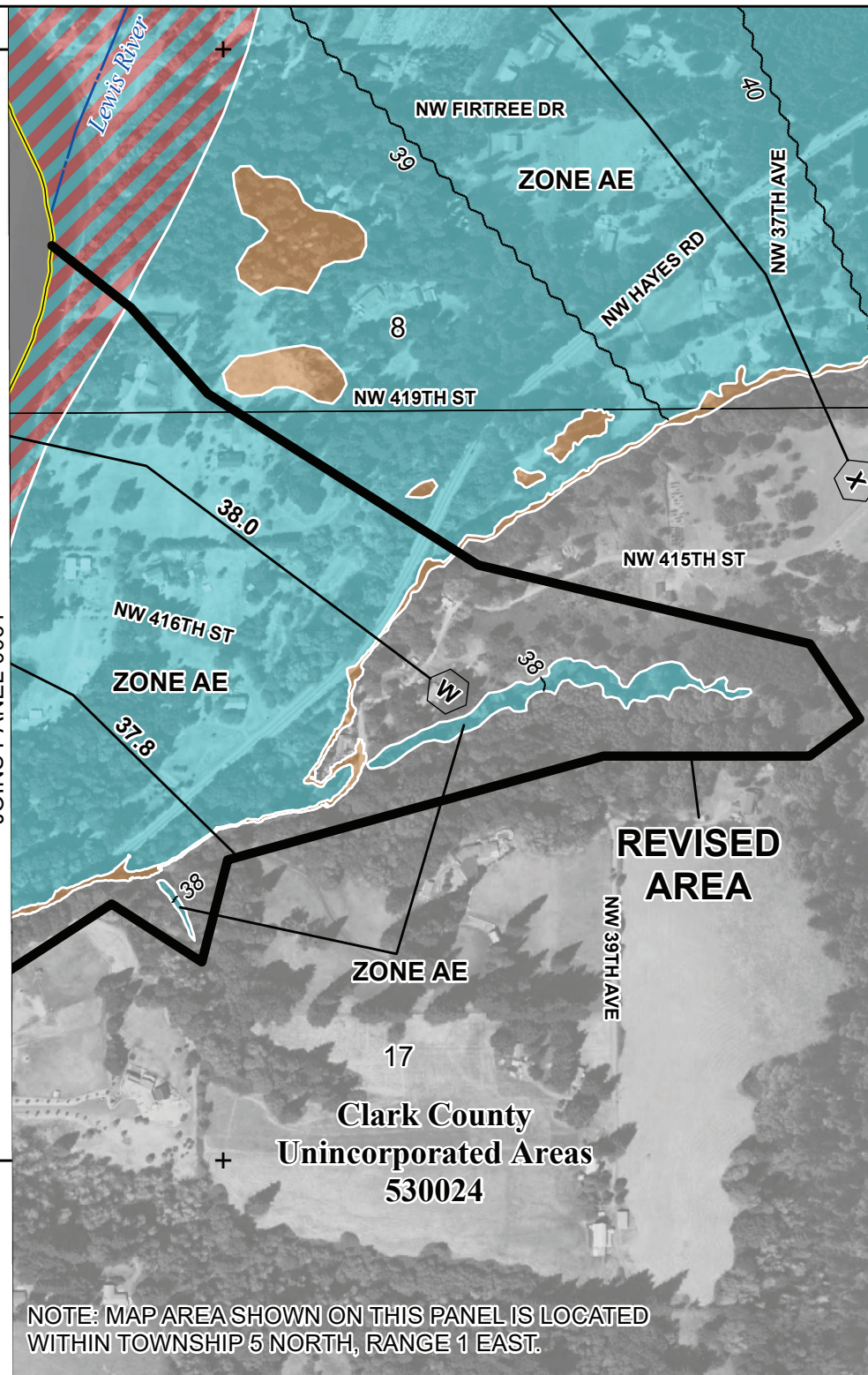
EFFECTIVE DATE  
SEPTEMBER 5, 2012



5086000mN

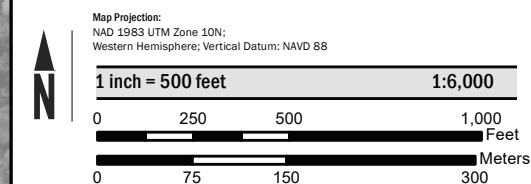
5085000mN

JOINS PANEL 0061



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



## NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

CLARK COUNTY, WASHINGTON  
and Incorporated Areas

PANEL 62 OF 600

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
CLARK COUNTY	530024	0062	D



FEMA

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: May 11, 2023**

VERSION NUMBER  
2.1.3.0

MAP NUMBER  
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EFFECTIVE DATE  
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NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED  
WITHIN TOWNSHIP 5 NORTH, RANGE 1 EAST.