

City of M-F Walla Walla River

SN & L&N



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Milton-Freewater Umatilla County Oregon	LEVEE	FLOODWAY HYDRAULIC ANALYSIS LEVEE CERTIFICATION NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 410210		
IDENTIFIER	Walla Walla River Flood Study	APPROXIMATE LATITUDE & LONGITUDE: 45.946, -118.385 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 41059C0435G	DATE: September 3, 2010	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 03, 2010 PROFILES: 90P, 91P, 92P, 93P, 93P(a), 93P(b), 93P(c), 93P(d), AND 94P FLOODWAY DATA TABLE: TABLE 7
TYPE: FIRM*	NO.: 41059C0445G	DATE: September 3, 2010	
TYPE: FIRM*	NO.: 41059C0465G	DATE: September 3, 2010	

enclosures reflect changes to flooding sources affected by this revision.
FIRM - Flood Insurance Rate Map

FLOODING SOURCE & REVISED REACH	See Page 2 for Additional Flooding Sources
WALLA WALLA RIVER - From the Washington/Oregon State Line to the Limit of Detailed Study	

SUMMARY OF REVISIONS				
Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
WALLA WALLA RIVER	Zone AE	Zone AE	YES	YES
	Zone A	Zone AE	NONE	YES
	Floodway	Floodway	YES	YES
	BFEs	BFEs	YES	YES
	No BFEs	BFEs	YES	NONE

* 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 (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Siamak Esfandiari, Ph.D, P.E., Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency
Washington, D.C. 20472

**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE & REVISED REACH

WALLA WALLA RIVER - From the Washington/Oregon State Line to the Limit of Detailed Study

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
WALLA WALLA RIVER	Zone X (unshaded)	Zone AH	YES	NONE
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (unshaded)	YES	YES
	Zone AO	Zone X (shaded)	YES	YES
	Zone X (shaded)	Otherwise Protected	YES	YES

* BFEs - Base Flood Elevations

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Federal Insurance and Mitigation Administration



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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 410204 **Name:** Umatilla County, Oregon

AFFECTED MAP PANELS			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM*	NO.: 41059C0435G	DATE: September 3, 2010	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 3, 2010 PROFILES: 90P, 91P, 92P, 93P, 93P(a), 93P(b), 93P(c), 93P(d), AND 94P FLOODWAY DATA TABLE: TABLE 7
TYPE: FIRM*	NO.: 41059C0445G	DATE: September 3, 2010	
TYPE: FIRM*	NO.: 41059C0455G	DATE: September 3, 2010	
TYPE: FIRM*	NO.: 41059C0465G	DATE: September 3, 2010	
TYPE: FIRM*	NO.: 41059C0120G	DATE: September 3, 2010	
TYPE: FIRM*	NO.: 41059C0430G	DATE: September 3, 2010	
TYPE: FIRM*	NO.: 41059C0470G	DATE: September 3, 2010	

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Federal Emergency Management Agency

Washington, D.C. 20472

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 Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in black ink, appearing to read "Siamak Esfandiary".

Siamak Esfandiary, Ph.D, P.E., Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration



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:

Mr. Mark Carey
Director, Mitigation Division
Federal Emergency Management Agency, Region X
Federal Regional Center
130 228th Street, Southwest
Bothell, WA 98021-8627
(425) 487-4682

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(s) 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 (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in black ink, appearing to read 'S. Esfandiary'.

Siamak Esfandiary, Ph.D., P.E., Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration

REVISED TO
 REFLECT LOMR
 EFFECTIVE:
 SEPTEMBER 20, 2013

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Walla Walla River								
A	211,000	302 ²	1,170	12.7	779.8	779.8	780.0	0.2
B	213,326	246	1,086	12.8	790.9	790.9	791.2	0.3
C	215,664	490	1,582	11.7	802.7	802.7	803.1	0.4
D	217,588	639	1,909	7.5	815.5	815.5	815.7	0.2
E	220,277	118	774	14.2	837.4	837.4	837.4	0.0
F	222,489	146	1,163	10.1	859.0	859.0	859.0	0.0
G	224,855	220	977	11.6	876.9	876.9	876.9	0.0
H	227,171	188	891	12.6	902.3	902.3	902.3	0.0
I	229,782	176	871	12.9	932.2	932.2	932.2	0.0
J	232,020	183	918	13.2	958.1	958.1	958.1	0.0
K	233,048	161	887	12.6	969.5	969.5	969.5	0.0
L	234,750	159	845	13.2	990.3	990.3	990.3	0.0
M	239,280	143	868	13.1	1,052.9	1,052.9	1052.9	0.0
N	244,340	167	1,035	13.8	1,103.9	1,103.9	1103.9	0.0
O	248,309	177	1,157	12.7	1,147.0	1,147.0	1147.0	0.0
P	250,288	122	887	14.5	1,162.5	1,162.5	1162.5	0.0
Q	250,532	118	918	14.5	1,165.4	1,165.4	1165.4	0.0
R	253,249	300	1,538	11.7	1,199.3	1,199.3	1200.0	0.7
S	255,869	299	1,322	13.2	1,227.9	1,227.9	1228.1	0.2
T	258,001	339	1,083	10.6	1,247.4	1,247.4	1247.4	0.0
U	260,417	111	755	15.1	1,278.0	1,278.0	1278.0	0.0
V	260,569	147	1,081	6.9	1,279.8	1,279.8	1,279.8	0.0
W	261,706	79	514	14.6	1,293.2	1,293.2	1,293.2	0.0
X	262,196	80	635	11.8	1,298.5	1,298.5	1,299.1	0.6

¹Feet above mouth

²Floodway lies outside county limits

REVISED REACH

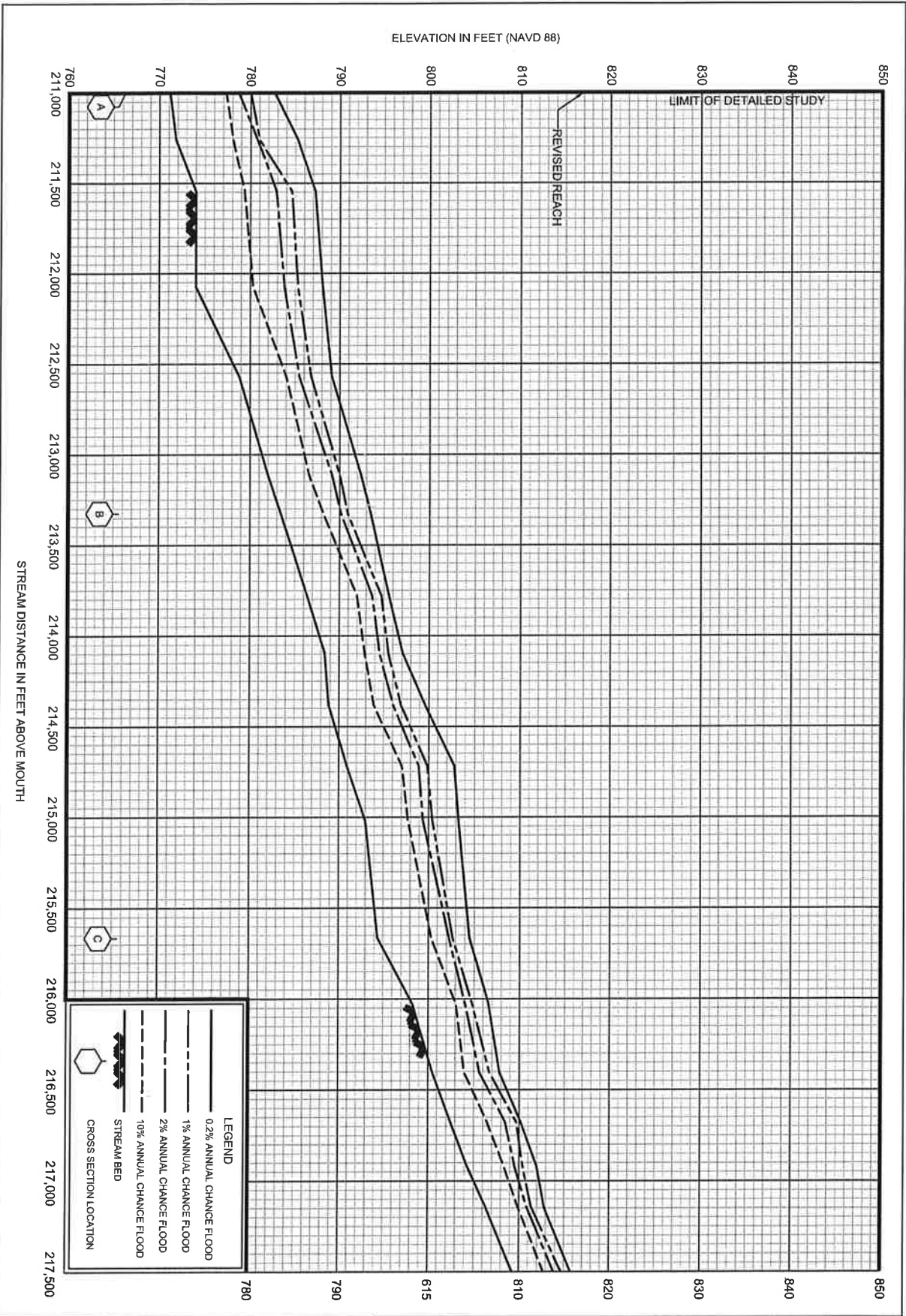
TABLE 7	FEDERAL EMERGENCY MANAGEMENT AGENCY	FLOODWAY DATA
	UMATILLA COUNTY, OR AND INCORPORATED AREAS	WALLA WALLA RIVER

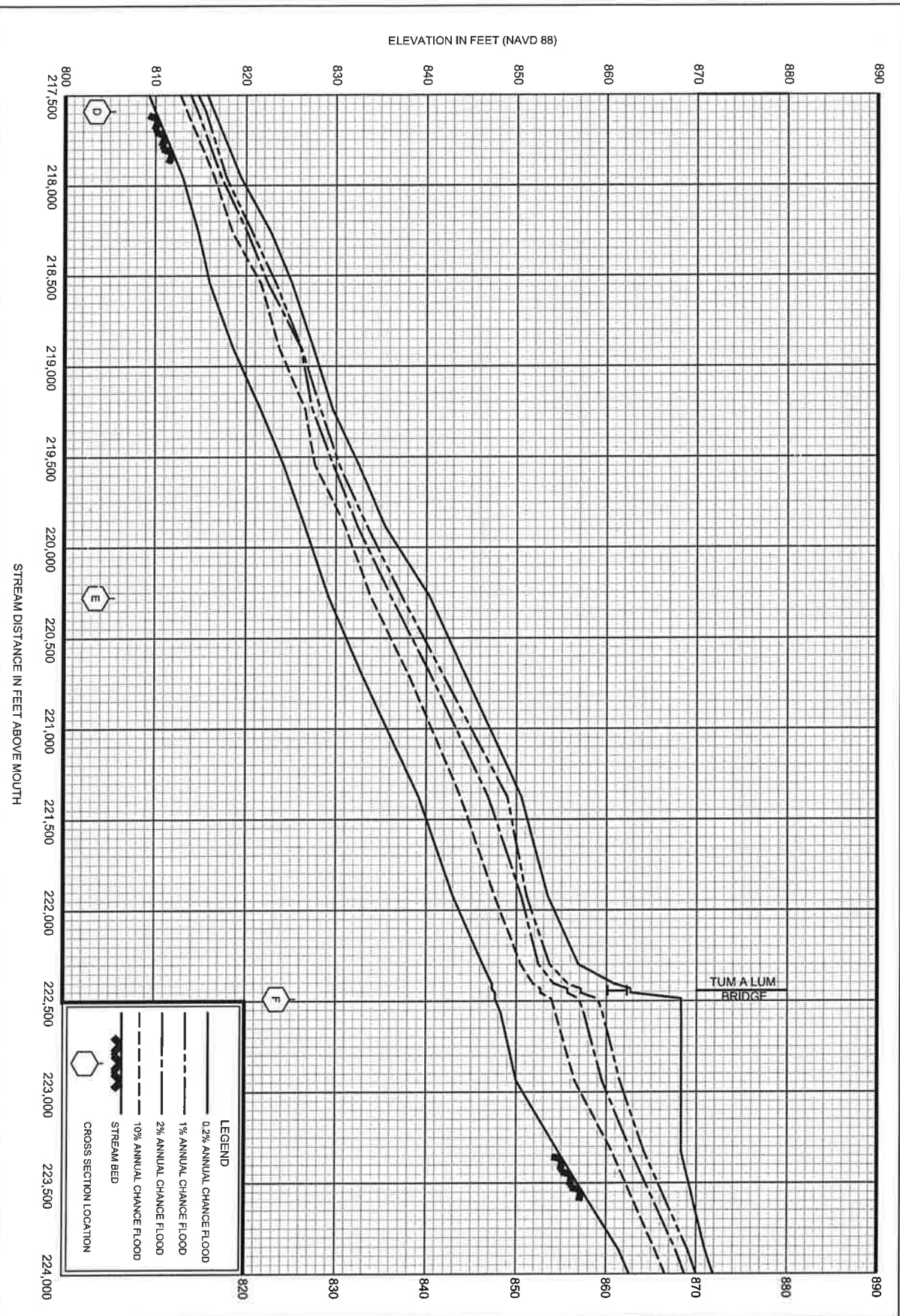
REVISED TO
 REFLECT LOMR
 EFFECTIVE:
 SEPTEMBER 20, 2013

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
Walla Walla River (continued)								
Y	262,746	81	518	14.5	1305.3	1305.3	1305.3	0.0
Z	263,496	258	1,308	7.2	1314.1	1314.1	1314.4	0.3
AA	263,896	108	566	13.2	1317.7	1317.7	1317.7	0.0
AB	264,641	211	1,029	7.3	1325.9	1325.9	1325.9	0.0
AC	265,348	273	769	9.8	1333.2	1333.2	1333.2	0.0
AD	266,095	240	851	8.8	1343.9	1343.9	1343.9	0.0
AE	267,447	287	917	8.2	1361.9	1361.9	1362.2	0.3
AF	267,751	288	971	7.7	1366.1	1366.1	1367.0	0.9
			REVISED REACH					

¹Feet above mouth

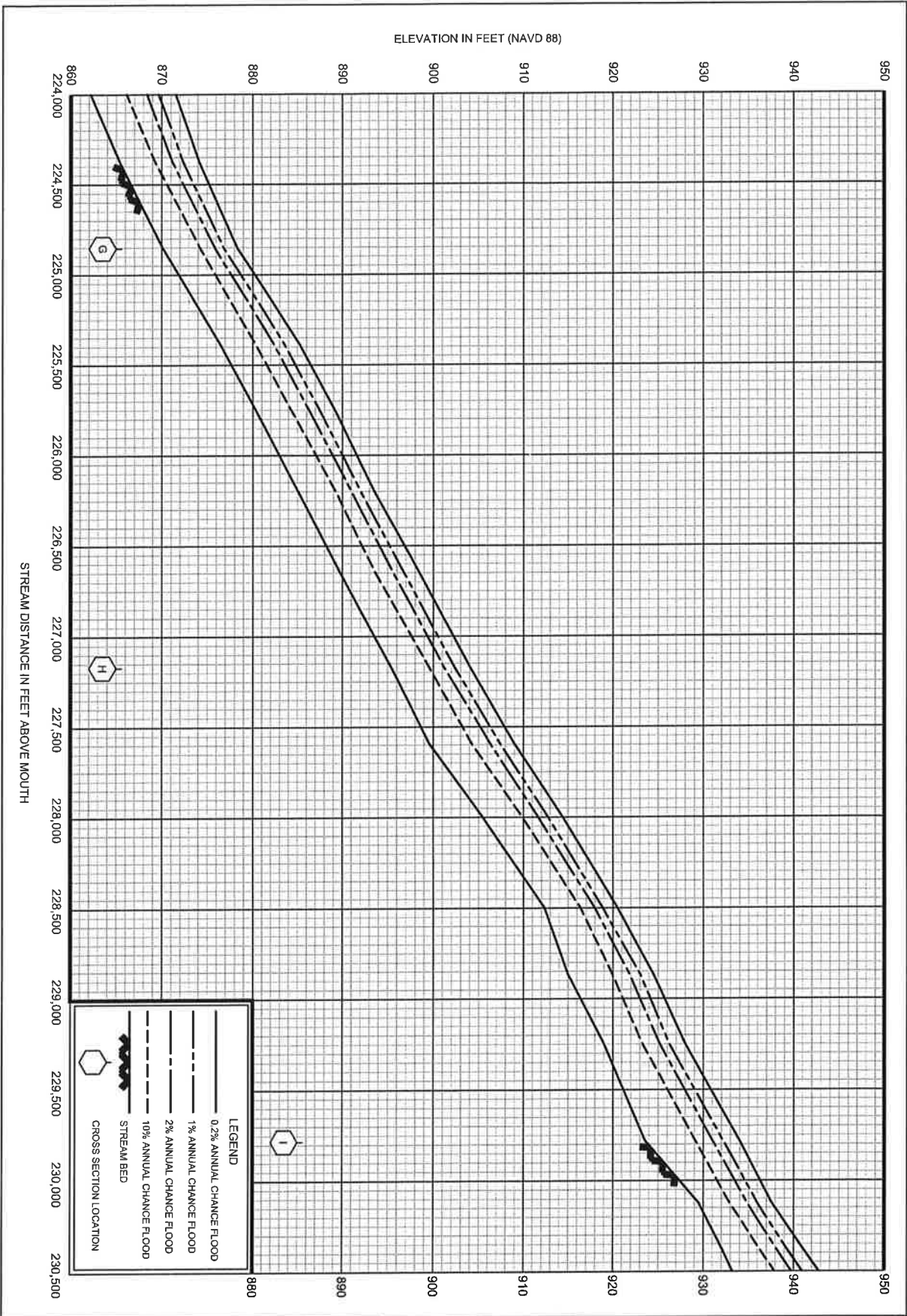
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	UMATILLA COUNTY, OR AND INCORPORATED AREAS	WALLA WALLA RIVER

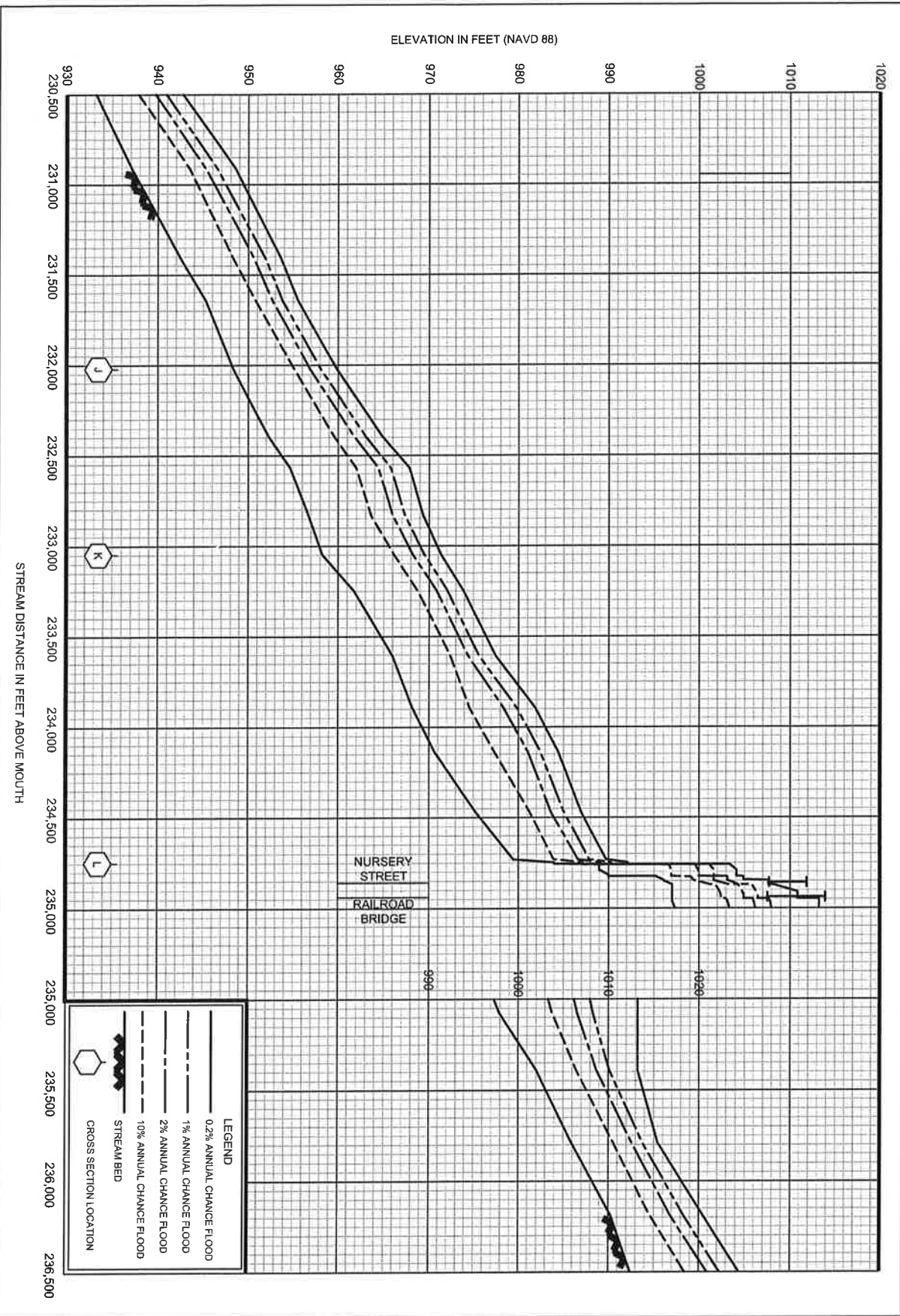


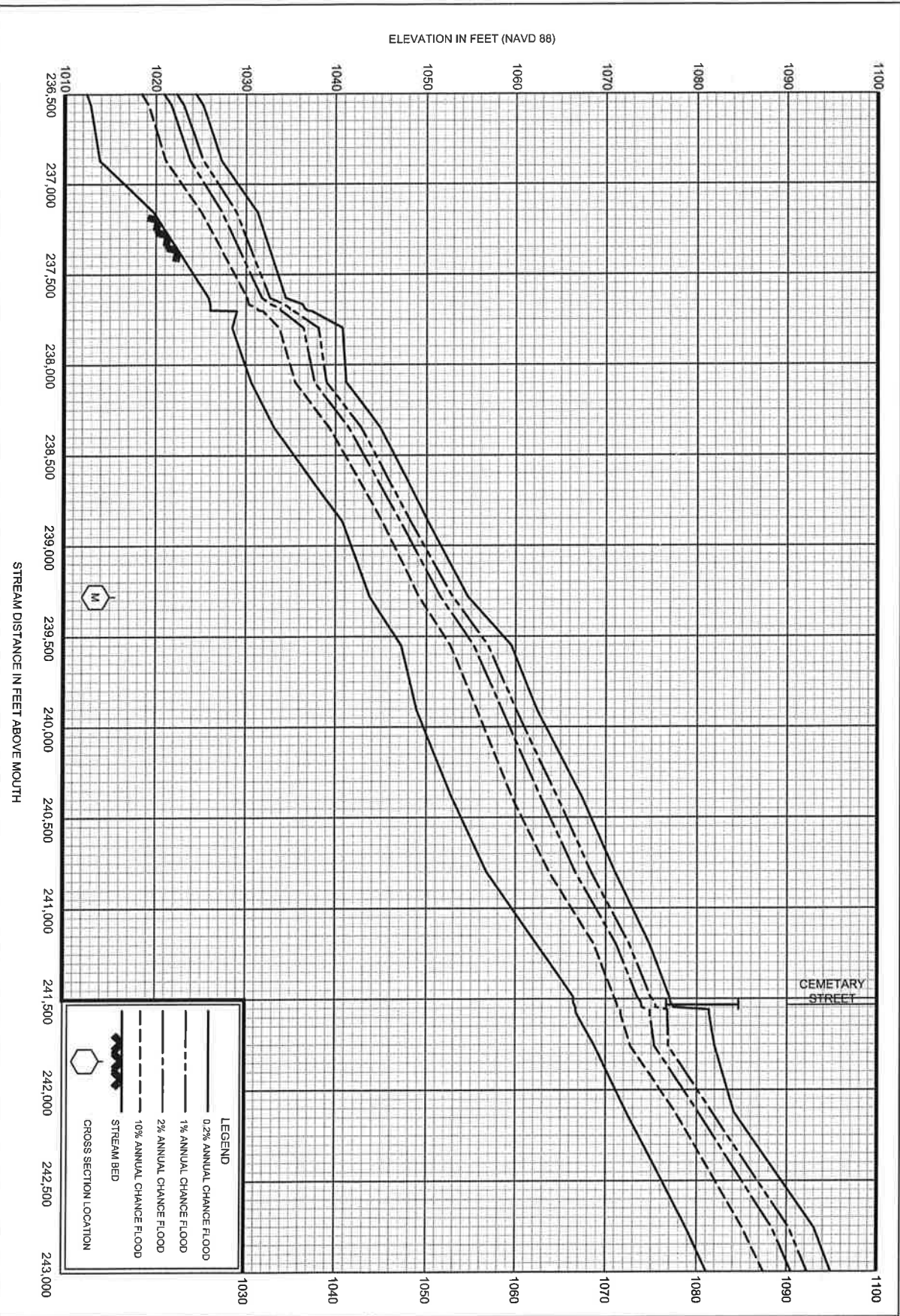


LEGEND

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





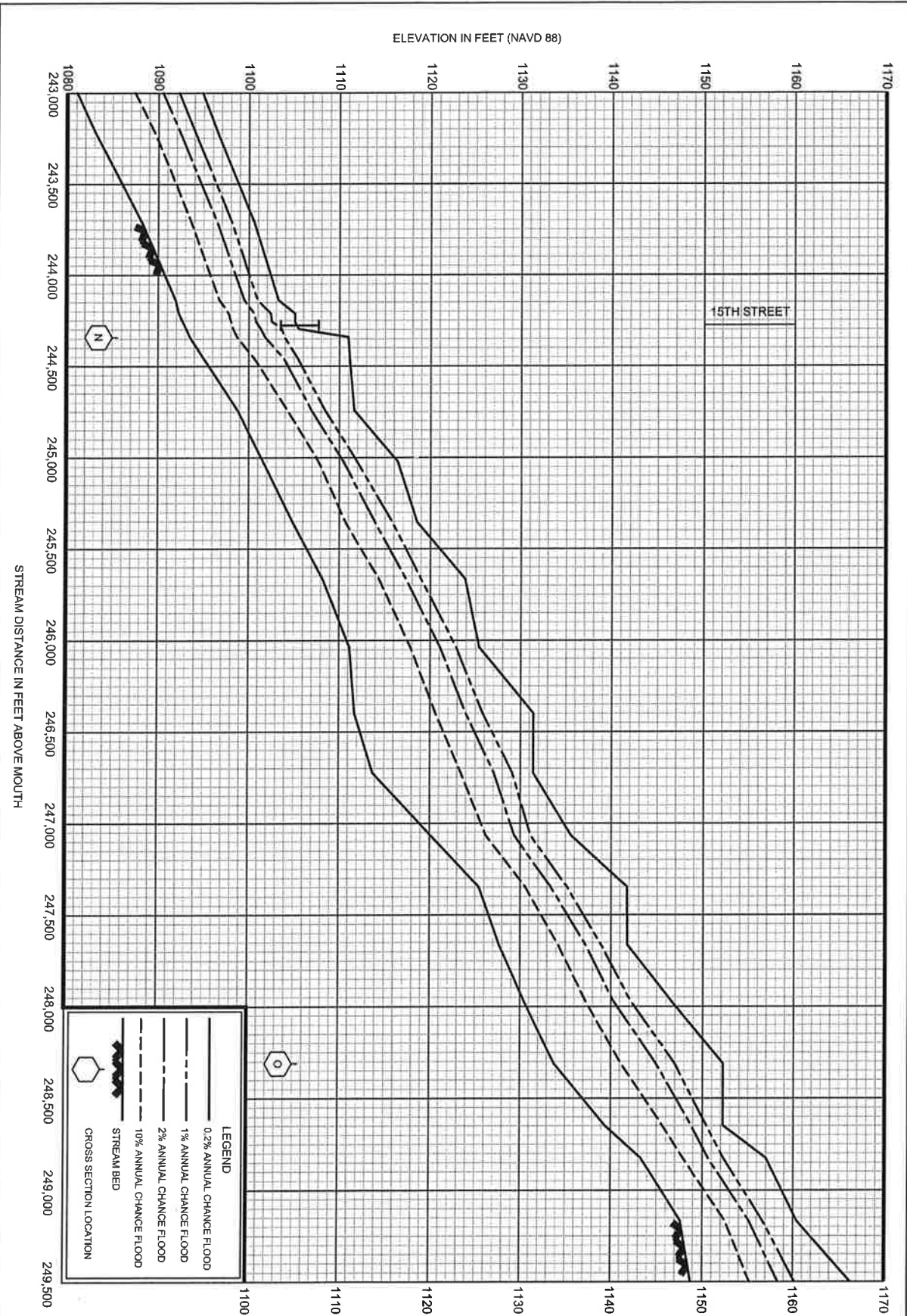


93P(a)

FEDERAL EMERGENCY MANAGEMENT AGENCY
 UMATILLA COUNTY, OR
 AND INCORPORATED AREAS

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 SEPTEMBER 20, 2013

FLOOD PROFILES
 WALLA WALLA RIVER

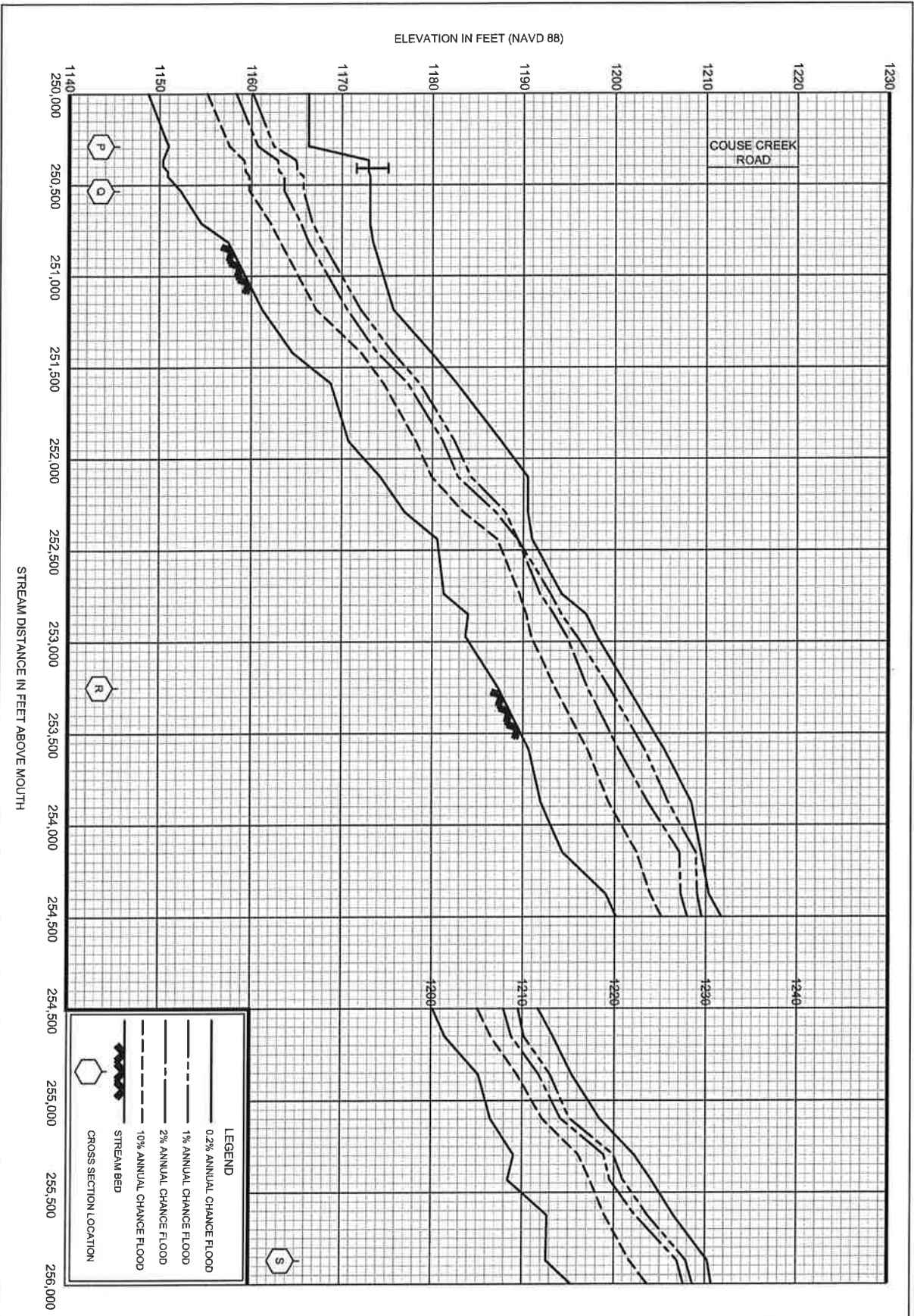


93P(b)

FEDERAL EMERGENCY MANAGEMENT AGENCY
 UMATILLA COUNTY, OR
 AND INCORPORATED AREAS

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FLOOD PROFILES
 WALLA WALLA RIVER

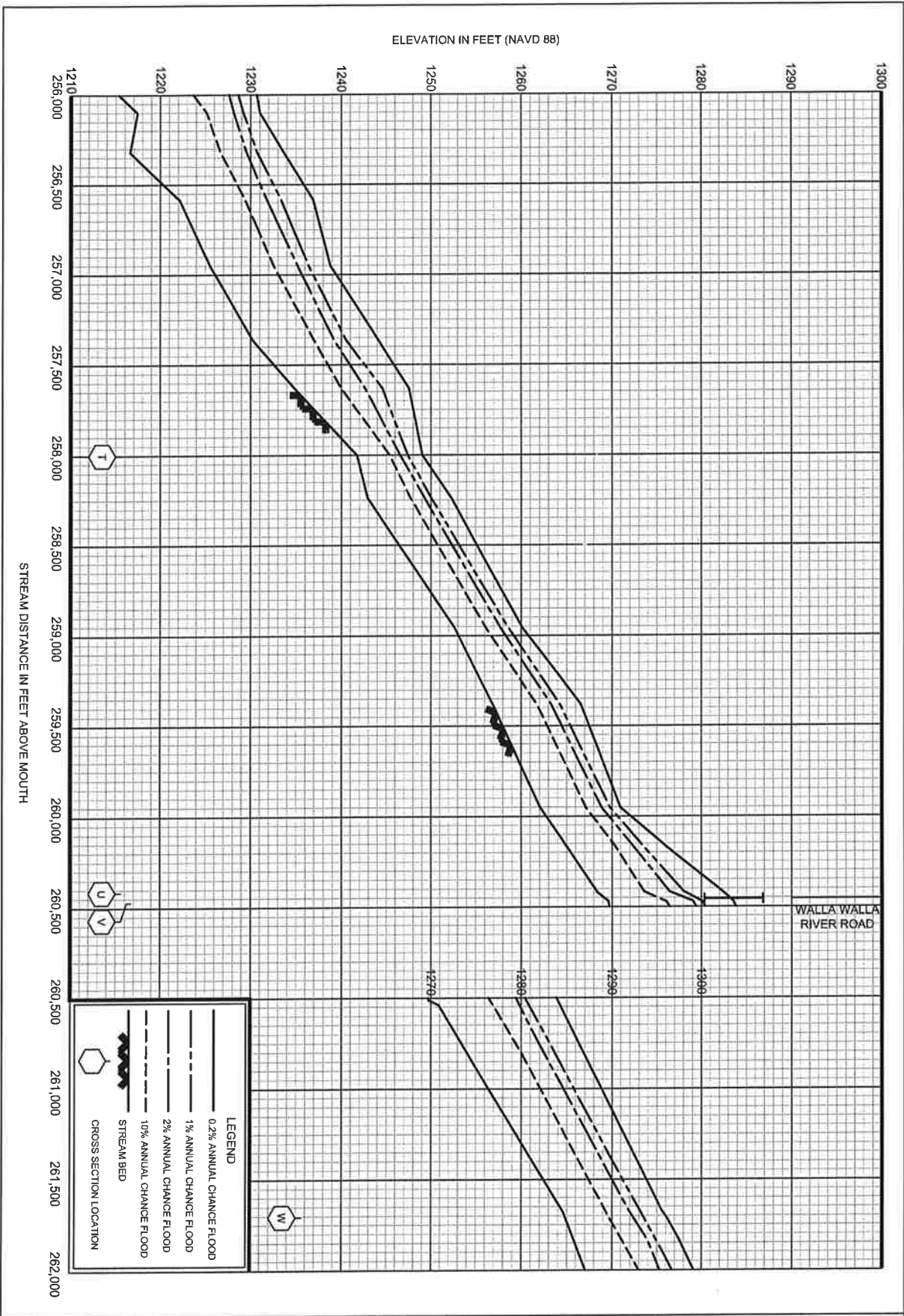


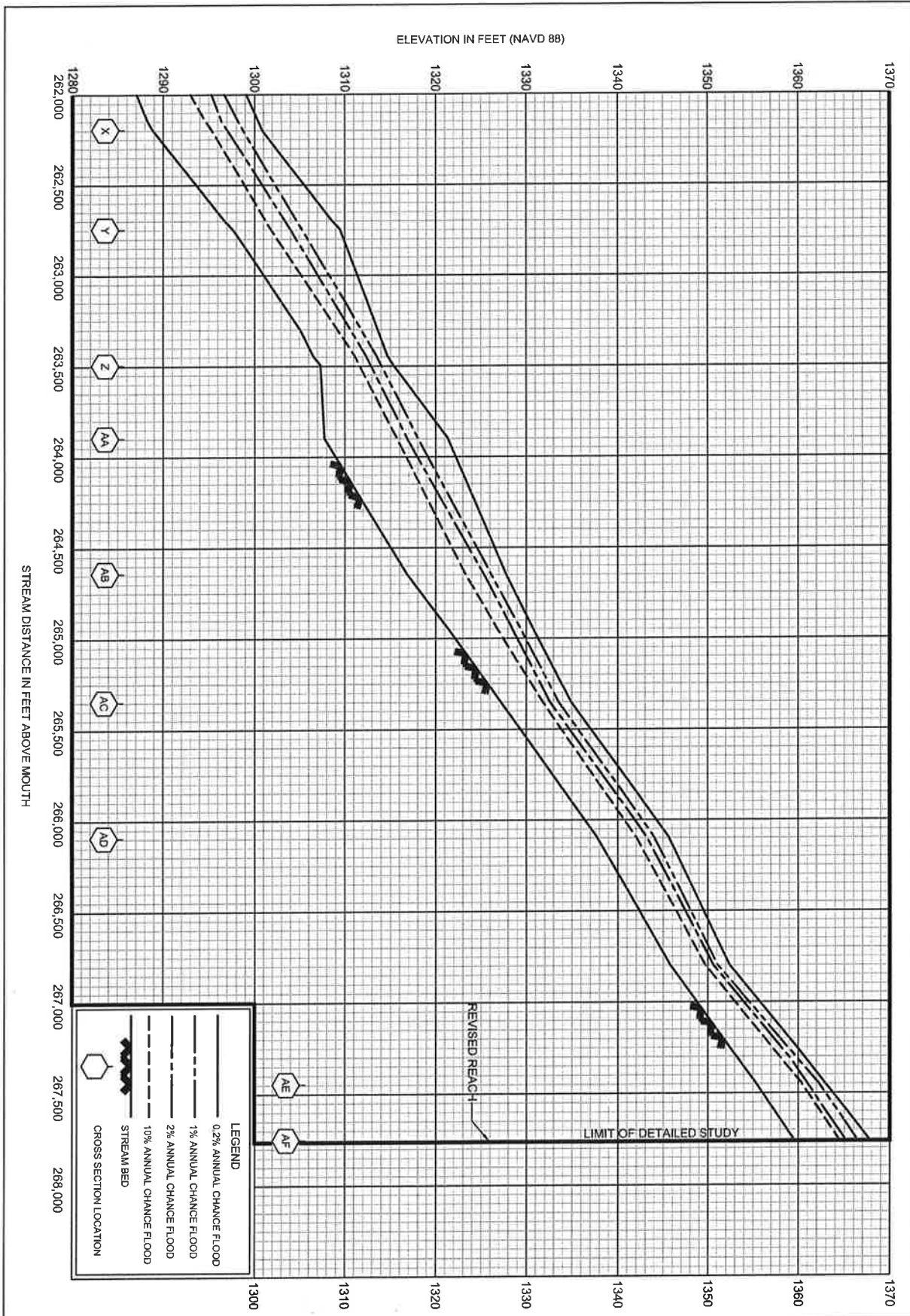
FEDERAL EMERGENCY MANAGEMENT AGENCY
 UMATILLA COUNTY, OR
 AND INCORPORATED AREAS

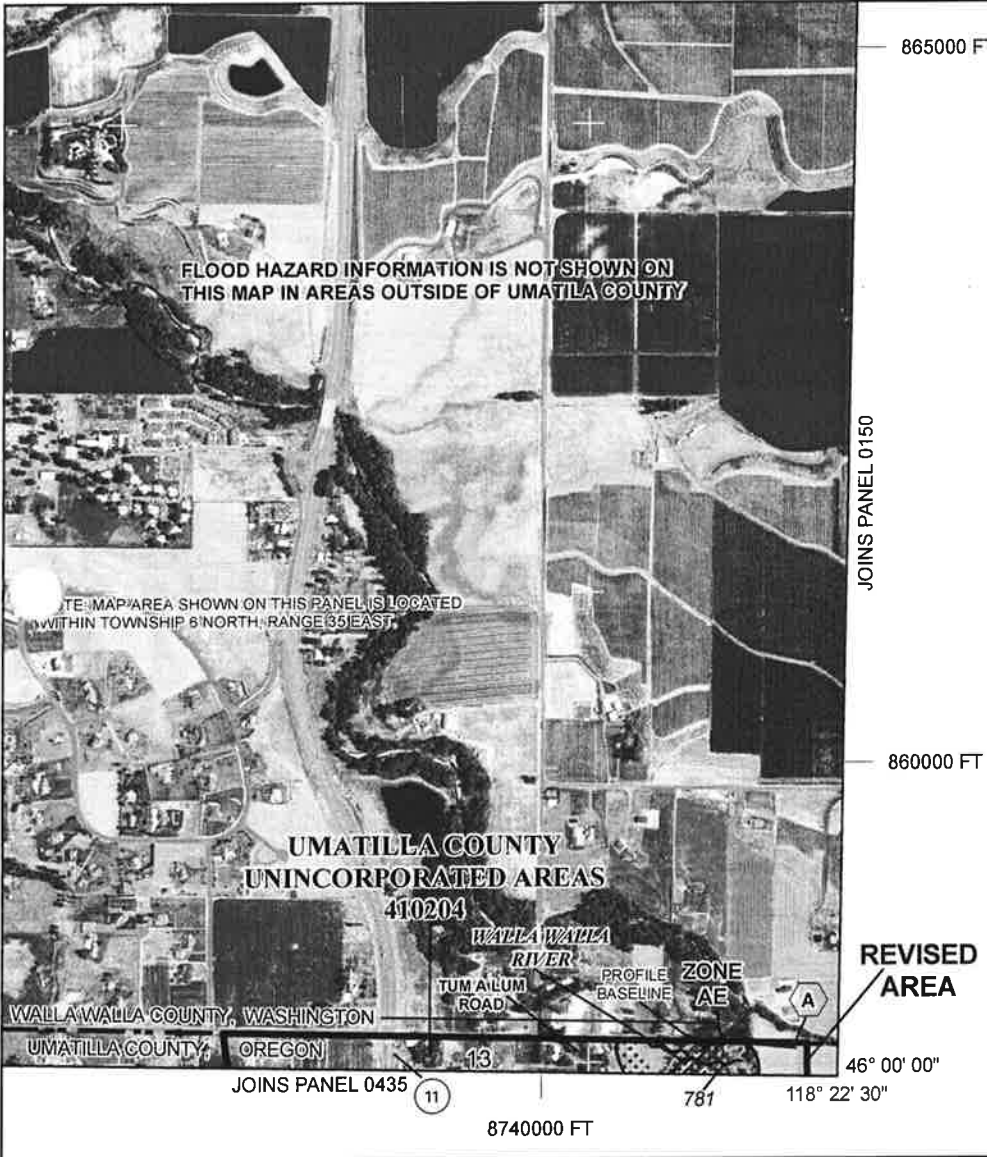
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FLOOD PROFILES
 WALLA WALLA RIVER

93P(g)







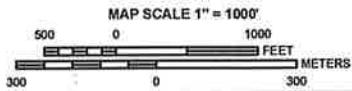
FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF UMATILLA COUNTY

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 6 NORTH, RANGE 35 EAST

UMATILLA COUNTY
UNINCORPORATED AREAS
410204

REVISED
AREA

- Legend
- 1% annual chance (100-Year) Floodplain
 - 1% annual chance (100-Year) Floodway
 - 0.2% annual chance (500-Year) Floodplain



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0120G

FIRM

FLOOD INSURANCE RATE MAP
UMATILLA COUNTY,
OREGON
AND INCORPORATED AREAS


PANEL 120 OF 2350
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
UMATILLA COUNTY	410204	0120	G

REVISED TO
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EFFECTIVE:
SEPTEMBER 20, 2013

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MAP NUMBER
41059C0120G

EFFECTIVE DATE
SEPTEMBER 3, 2010

Federal Emergency Management Agency

Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain

MAP SCALE 1" = 1000'

500 1000 2000 FEET METERS

NFP PANEL 0430G

FIRM
FLOOD INSURANCE RATE MAP
UMATILLA COUNTY,
OREGON
AND INCORPORATED AREAS

PANEL 430 OF 2350
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

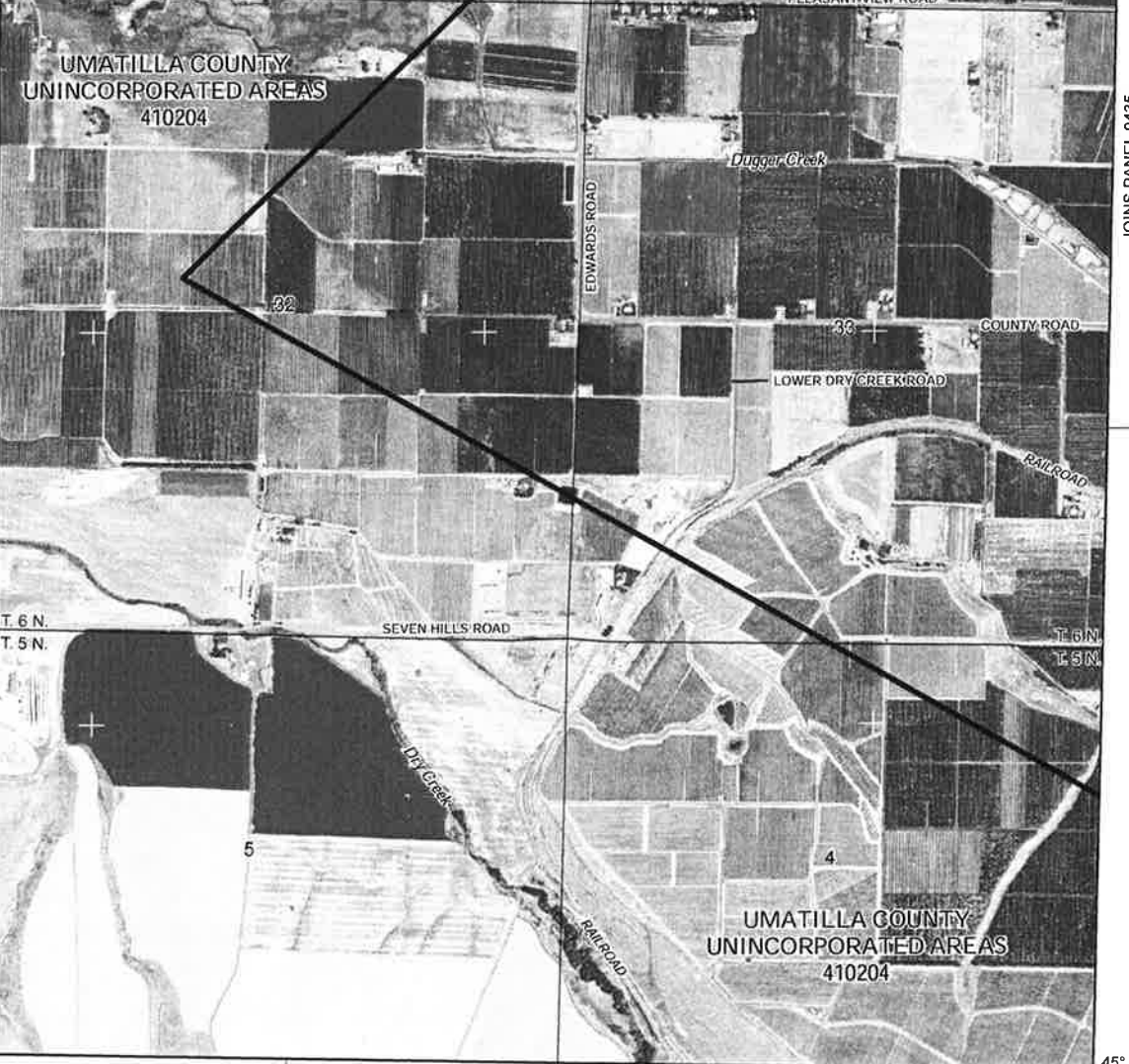
CONTAINS

COMMUNITY	NUMBER	PANEL	SHEET
UMATILLA COUNTY	410204	0430	01

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MAP NUMBER 41059C0430G
EFFECTIVE DATE SEPTEMBER 3, 2010
Federal Emergency Management Agency



850000 FT

845000 FT

JOINS PANEL 0435

840000 FT

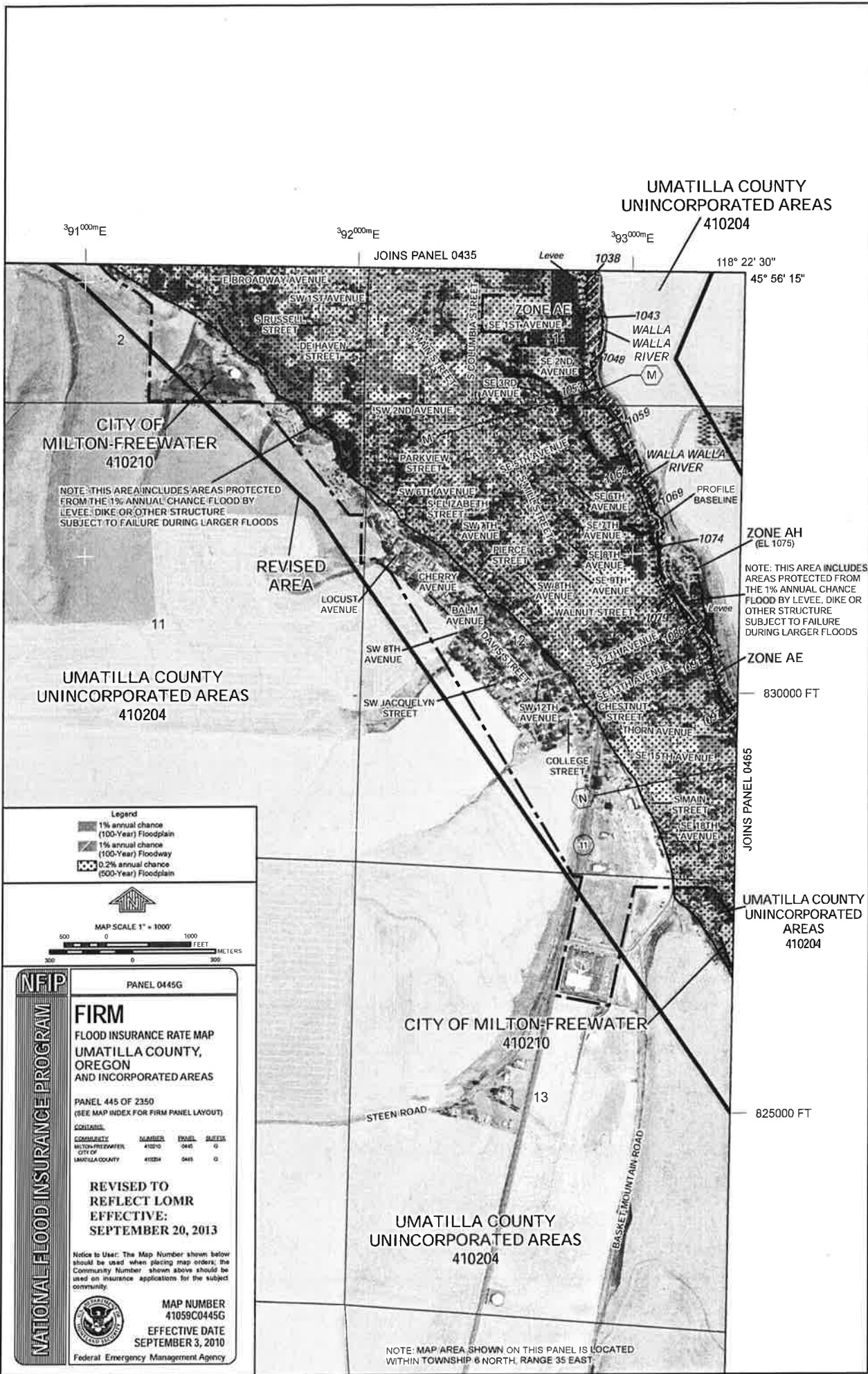
45° 56' 15"

8720000 FT

JOINS PANEL 0440

8725000 FT

118° 26' 15"



UMATILLA COUNTY UNINCORPORATED AREAS 410204

CITY OF MILTON-FREEWATER 410210

NOTE: THIS AREA INCLUDES AREAS PROTECTED FROM THE 1% ANNUAL CHANCE FLOOD BY LEVEE, DIKE OR OTHER STRUCTURE SUBJECT TO FAILURE DURING LARGER FLOODS

REVISED AREA

UMATILLA COUNTY UNINCORPORATED AREAS 410204

ZONE AH (EL 1075)

NOTE: THIS AREA INCLUDES AREAS PROTECTED FROM THE 1% ANNUAL CHANCE FLOOD BY LEVEE, DIKE OR OTHER STRUCTURE SUBJECT TO FAILURE DURING LARGER FLOODS

ZONE AE

830000 FT

UMATILLA COUNTY UNINCORPORATED AREAS 410204

CITY OF MILTON-FREEWATER 410210

UMATILLA COUNTY UNINCORPORATED AREAS 410204

- Legend
- 1% annual chance (100-Year) Floodplain
 - 1% annual chance (100-Year) Floodway
 - 0.2% annual chance (500-Year) Floodplain



NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0445G

FIRM
 FLOOD INSURANCE RATE MAP
 UMATILLA COUNTY,
 OREGON
 AND INCORPORATED AREAS

PANEL 445 OF 2350
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITY	NUMBER	PANEL	SUFFIX
MILTON-FREEWATER	410210	0445	G
CITY OF UMATILLA COUNTY	410204	0445	G

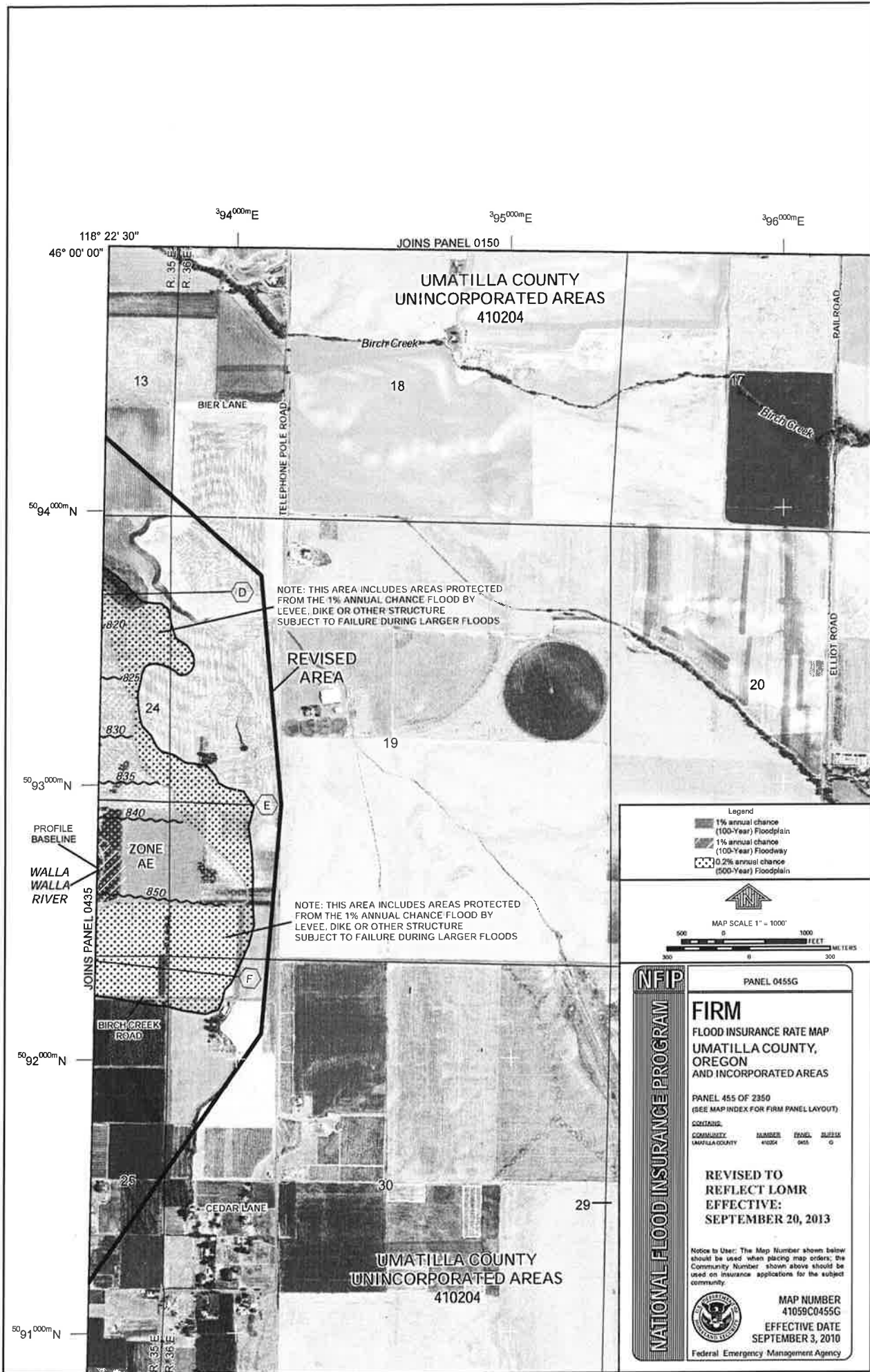
REVISED TO REFLECT LOMR EFFECTIVE: SEPTEMBER 20, 2013

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MAP NUMBER 41059C0445G
 EFFECTIVE DATE SEPTEMBER 3, 2010

Federal Emergency Management Agency

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 6 NORTH, RANGE 35 EAST



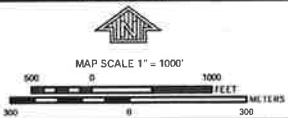
UMATILLA COUNTY
UNINCORPORATED AREAS
410204

REVISED
AREA

NOTE: THIS AREA INCLUDES AREAS PROTECTED FROM THE 1% ANNUAL CHANCE FLOOD BY LEVEE, DIKE OR OTHER STRUCTURE SUBJECT TO FAILURE DURING LARGER FLOODS

NOTE: THIS AREA INCLUDES AREAS PROTECTED FROM THE 1% ANNUAL CHANCE FLOOD BY LEVEE, DIKE OR OTHER STRUCTURE SUBJECT TO FAILURE DURING LARGER FLOODS

- Legend
- 1% annual chance (100-Year) Floodplain
 - 1% annual chance (100-Year) Floodway
 - 0.2% annual chance (500-Year) Floodplain



NFP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0455G

FIRM
FLOOD INSURANCE RATE MAP
UMATILLA COUNTY,
OREGON
AND UNINCORPORATED AREAS

PANEL 455 OF 2350
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

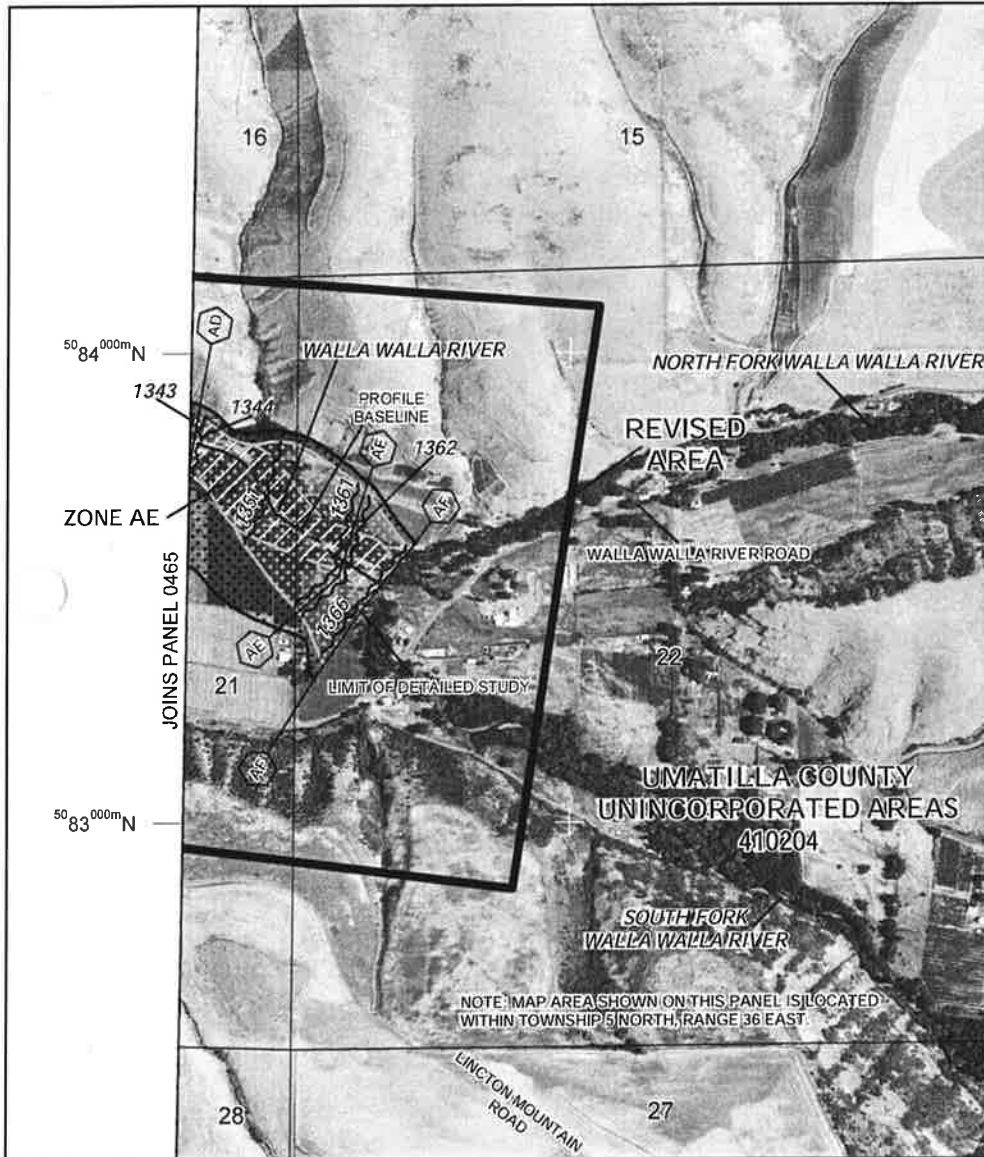
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
UMATILLA COUNTY	410204	0455	G

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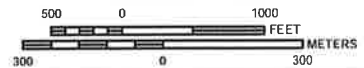
MAP NUMBER
41059C0455G
EFFECTIVE DATE
SEPTEMBER 3, 2010
Federal Emergency Management Agency



- Legend
- 1% annual chance (100-Year) Floodplain
 - 1% annual chance (100-Year) Floodway
 - 0.2% annual chance (500-Year) Floodplain



MAP SCALE 1" = 1000'



NFIP

PANEL 0470G

FIRM

FLOOD INSURANCE RATE MAP
UMATILLA COUNTY,
OREGON
AND INCORPORATED AREAS

PANEL 470 OF 2350
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
UMATILLA COUNTY	410204	0470	G

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SEPTEMBER 20, 2013**

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



**MAP NUMBER
41059C0470G
EFFECTIVE DATE
SEPTEMBER 3, 2010**

Federal Emergency Management Agency

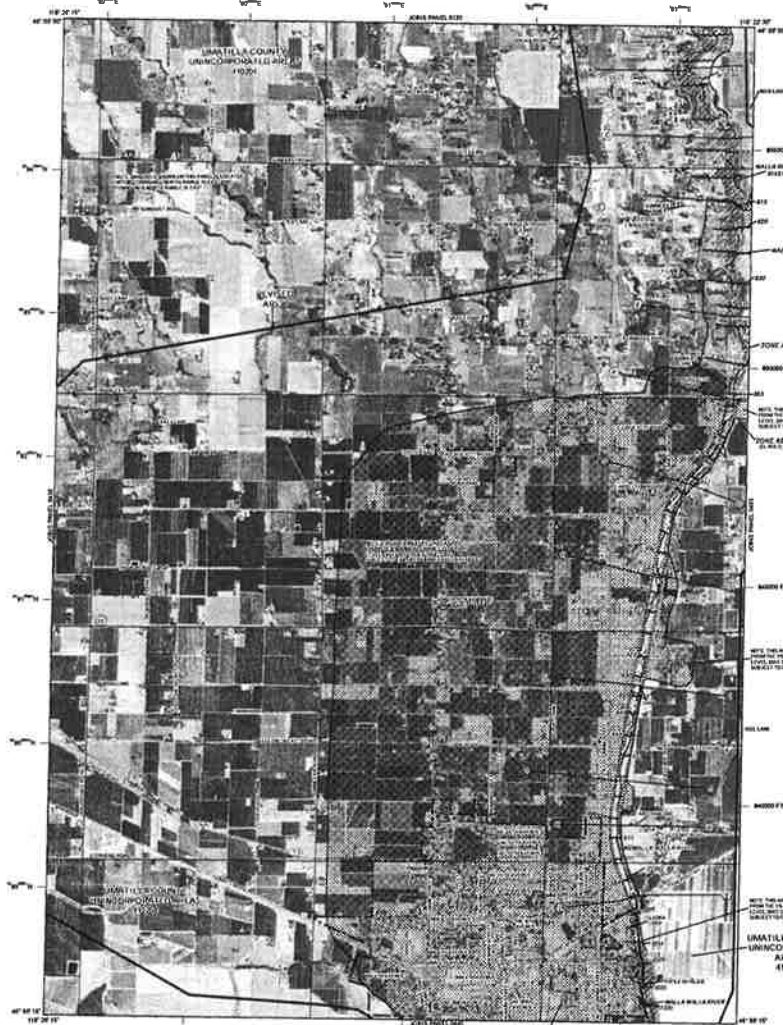
NATIONAL FLOOD INSURANCE PROGRAM

NOTES TO USERS

This map is for use in determining the flood hazard areas in the Flood Insurance Rate Map (FIRM) for the City of Milwaukie, Oregon. It is not intended to be used for any other purpose. The information on this map is for informational purposes only and should not be used as a basis for any other action. The information on this map is for informational purposes only and should not be used as a basis for any other action.

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LEGEND

- SPECIAL FLOOD HAZARD AREAS SUBJECT TO REGULATION BY THE FEDERAL GOVERNMENT:**
- ZONE A - No Wave Flood Hazard Areas
 - ZONE B - Beach Erosion Hazard Areas
 - ZONE C - Coastal Erosion Hazard Areas
 - ZONE D - Severe Coastal Erosion Hazard Areas
 - ZONE E - Coastal Erosion Hazard Areas
 - ZONE F - Coastal Erosion Hazard Areas
 - ZONE G - Coastal Erosion Hazard Areas
 - ZONE H - Coastal Erosion Hazard Areas
 - ZONE I - Coastal Erosion Hazard Areas
 - ZONE J - Coastal Erosion Hazard Areas
 - ZONE K - Coastal Erosion Hazard Areas
 - ZONE L - Coastal Erosion Hazard Areas
 - ZONE M - Coastal Erosion Hazard Areas
 - ZONE N - Coastal Erosion Hazard Areas
 - ZONE O - Coastal Erosion Hazard Areas
 - ZONE P - Coastal Erosion Hazard Areas
 - ZONE Q - Coastal Erosion Hazard Areas
 - ZONE R - Coastal Erosion Hazard Areas
 - ZONE S - Coastal Erosion Hazard Areas
 - ZONE T - Coastal Erosion Hazard Areas
 - ZONE U - Coastal Erosion Hazard Areas
 - ZONE V - Coastal Erosion Hazard Areas
 - ZONE W - Coastal Erosion Hazard Areas
 - ZONE X - Coastal Erosion Hazard Areas
 - ZONE Y - Coastal Erosion Hazard Areas
 - ZONE Z - Coastal Erosion Hazard Areas
- FLOOD HAZARD AREAS:**
- Zone A - No Wave Flood Hazard Areas
 - Zone B - Beach Erosion Hazard Areas
 - Zone C - Coastal Erosion Hazard Areas
 - Zone D - Severe Coastal Erosion Hazard Areas
 - Zone E - Coastal Erosion Hazard Areas
 - Zone F - Coastal Erosion Hazard Areas
 - Zone G - Coastal Erosion Hazard Areas
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 - Zone L - Coastal Erosion Hazard Areas
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 - Zone N - Coastal Erosion Hazard Areas
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 - Zone P - Coastal Erosion Hazard Areas
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 - Zone R - Coastal Erosion Hazard Areas
 - Zone S - Coastal Erosion Hazard Areas
 - Zone T - Coastal Erosion Hazard Areas
 - Zone U - Coastal Erosion Hazard Areas
 - Zone V - Coastal Erosion Hazard Areas
 - Zone W - Coastal Erosion Hazard Areas
 - Zone X - Coastal Erosion Hazard Areas
 - Zone Y - Coastal Erosion Hazard Areas
 - Zone Z - Coastal Erosion Hazard Areas
- OTHER FLOOD AREAS:**
- Zone AA - Other Flood Hazard Areas
 - Zone AB - Other Flood Hazard Areas
 - Zone AC - Other Flood Hazard Areas
 - Zone AD - Other Flood Hazard Areas
 - Zone AE - Other Flood Hazard Areas
 - Zone AF - Other Flood Hazard Areas
 - Zone AG - Other Flood Hazard Areas
 - Zone AH - Other Flood Hazard Areas
 - Zone AI - Other Flood Hazard Areas
 - Zone AJ - Other Flood Hazard Areas
 - Zone AK - Other Flood Hazard Areas
 - Zone AL - Other Flood Hazard Areas
 - Zone AM - Other Flood Hazard Areas
 - Zone AN - Other Flood Hazard Areas
 - Zone AO - Other Flood Hazard Areas
 - Zone AP - Other Flood Hazard Areas
 - Zone AQ - Other Flood Hazard Areas
 - Zone AR - Other Flood Hazard Areas
 - Zone AS - Other Flood Hazard Areas
 - Zone AT - Other Flood Hazard Areas
 - Zone AU - Other Flood Hazard Areas
 - Zone AV - Other Flood Hazard Areas
 - Zone AW - Other Flood Hazard Areas
 - Zone AX - Other Flood Hazard Areas
 - Zone AY - Other Flood Hazard Areas
 - Zone AZ - Other Flood Hazard Areas
- OTHER FLOOD AREAS:**
- Zone BA - Other Flood Hazard Areas
 - Zone BB - Other Flood Hazard Areas
 - Zone BC - Other Flood Hazard Areas
 - Zone BD - Other Flood Hazard Areas
 - Zone BE - Other Flood Hazard Areas
 - Zone BF - Other Flood Hazard Areas
 - Zone BG - Other Flood Hazard Areas
 - Zone BH - Other Flood Hazard Areas
 - Zone BI - Other Flood Hazard Areas
 - Zone BJ - Other Flood Hazard Areas
 - Zone BK - Other Flood Hazard Areas
 - Zone BL - Other Flood Hazard Areas
 - Zone BM - Other Flood Hazard Areas
 - Zone BN - Other Flood Hazard Areas
 - Zone BO - Other Flood Hazard Areas
 - Zone BP - Other Flood Hazard Areas
 - Zone BQ - Other Flood Hazard Areas
 - Zone BR - Other Flood Hazard Areas
 - Zone BS - Other Flood Hazard Areas
 - Zone BT - Other Flood Hazard Areas
 - Zone BU - Other Flood Hazard Areas
 - Zone BV - Other Flood Hazard Areas
 - Zone BW - Other Flood Hazard Areas
 - Zone BX - Other Flood Hazard Areas
 - Zone BY - Other Flood Hazard Areas
 - Zone BZ - Other Flood Hazard Areas

FIRM FLOOD INSURANCE RATE MAP

UMATILLA COUNTY, OREGON AND INCORPORATED AREAS

PANEL 438 OF 2330 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

REVISIONS TO: 41099C0350 EFFECTIVE DATE: SEPTEMBER 3, 2010

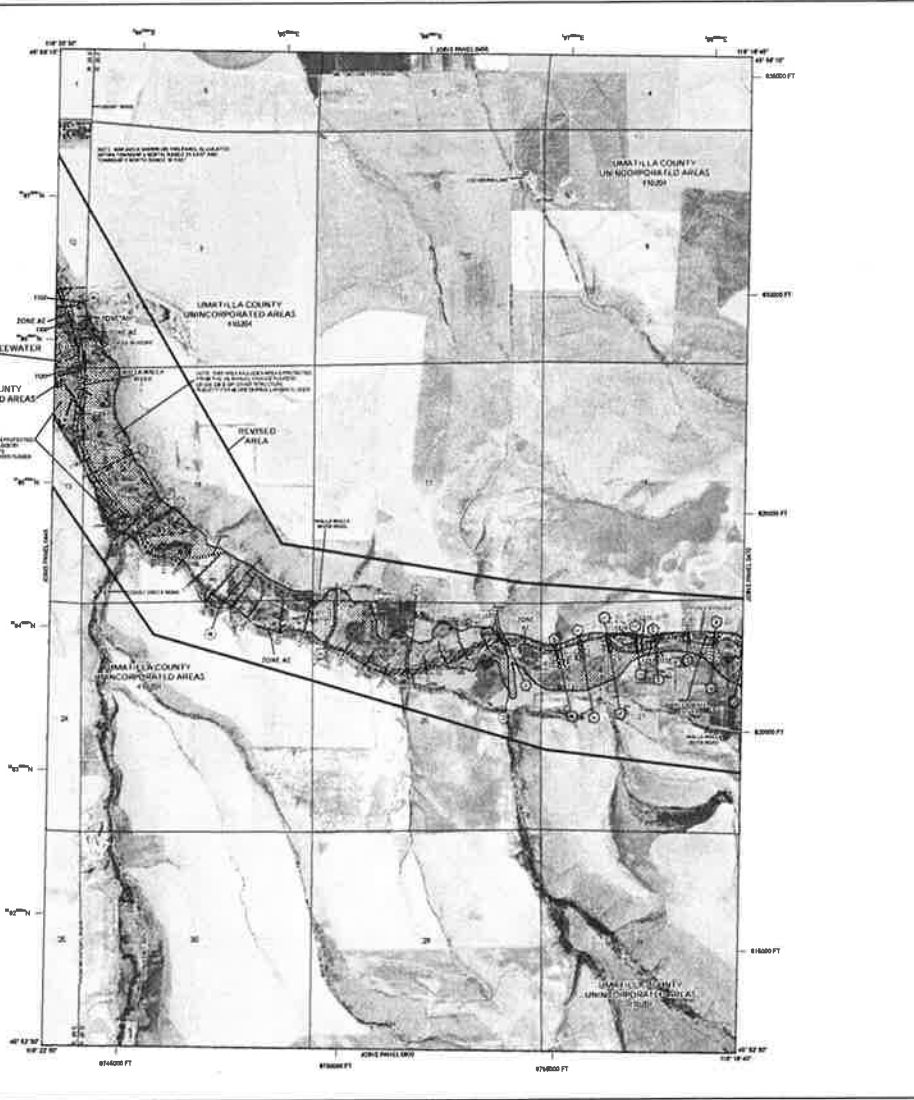
MAP NUMBER: 41099C0350 EFFECTIVE DATE: SEPTEMBER 3, 2010

Federal Emergency Management Agency

CITY OF MILWAUKIE WATER 410210

NOTES TO USERS

This map is to be used in accordance with the National Flood Insurance Program... SPECIAL FLOOD HAZARD AREAS (SPECIAL SUBJECTS) REGULATED BY THE FEDERAL EMERGENCY...
1. The user should consult the Flood Insurance Rate Map (FIRM) to determine the flood hazard classification for the area...
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10. The user should consult the Flood Insurance Rate Map (FIRM) to determine the flood hazard classification for the area...



LEGEND
SPECIAL FLOOD HAZARD AREAS (SPECIAL SUBJECTS) REGULATED BY THE FEDERAL EMERGENCY...
Zone AE: Area Prone to Long Duration Flooding...
Zone A: Area Prone to Moderate Flooding...
Zone X: Area Prone to Severe Flooding...
Zone V: Area Prone to Very High Flooding...
Zone VE: Area Prone to Very High Flooding...
Zone VE1: Area Prone to Very High Flooding...
Zone VE2: Area Prone to Very High Flooding...
FLOODWAY WELLS IN ZONE AE...
OTHER FLOOD AREAS...
OTHER AREAS...
CONCRETE BARRIERS AND RESOURCES SYSTEM ENGINEERING AREAS...
OTHERWISE PROTECTED AREAS (OPAs)...
MAP SCALE 1" = 100'

NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP
UMATILLA COUNTY, OREGON AND INCORPORATED AREAS
PANEL 445 OF 2360
(MBE MAP NUMBER FOR FIRM PANEL OUT)
REVISED TO REFLECT LOCAL EFFECTS: SEPTEMBER 14, 2010
MAP NUMBER: 410304045G
EFFECTIVE DATE: SEPTEMBER 3, 2010
Federal Emergency Management Agency