



Federal Emergency Management Agency

Washington, D.C. 20472

January 20, 2015



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Tim Josi
Board of County Commissioners, Tillamook County
201 Laurel Avenue
Tillamook, OR 97141

IN REPLY REFER TO:

Case No.: 14-10-1727P
Community Name: Tillamook County, OR
Community No.: 410196
Effective Date of
This Revision: June 8, 2015

Dear Mr. Josi:

The Flood Insurance Study Report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Bothell, Washington, at (425) 487-4682, or the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/business/nfip>.

Sincerely,

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc:

Mr. Stephen Lucker

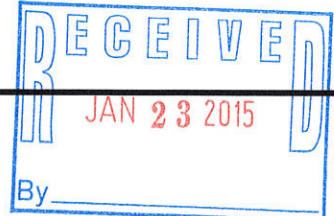
Mr. Bryan Pohl, CFM

Mr. Daniel Christensen, P.E.



Federal Emergency Management Agency

Washington, D.C. 20472



LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Tillamook County Oregon (Unincorporated Areas)	NO PROJECT	HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 410196		
IDENTIFIER	Nestucca River	APPROXIMATE LATITUDE & LONGITUDE: 45.200, -123.964 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 4101960315A DATE: August 1, 1978	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 20, 2002	
TYPE: FIRM	NO.: 4101960305A DATE: August 1, 1978	PROFILE: 38P	
TYPE: FBFM**	NO.: 4101960315 DATE: August 1, 1978	FLOODWAY DATA TABLE: 4	
TYPE: FBFM	NO.: 4101960305 DATE: August 1, 1978		

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map; **FBFM - Flood Boundary and Floodway Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Nestucca River - From the confluence of Nestucca Bay to approximately 6,300 feet upstream of Woods Road

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Nestucca River	Zone AE	Zone AE	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	BFEs*	BFEs	YES	NONE
	Zone X (unshaded)	Zone X (unshaded)	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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration



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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.

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 Information eXchange 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 "Luis Rodriguez".

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration



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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 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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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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/Scripts/bfe_main.asp.

LOCAL NEWSPAPER Name: Tillamook County Pioneer
 Dates: January 30, 2015 and February 6, 2015

Within 90 days of the second publication in the local newspaper, a citizen 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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

REVISED TO REFLECT LOMR EFFECTIVE JUNE 8, 2015

FLOODING SOURCE		FLOODWAY				1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NGVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
Nestucca River									
A	2,647	607	7,750	6.9	11.4	11.4	12.2	0.8	
B	7,805	764	8,765	6.9	13.4	13.4	14.0	0.6	
C	7,949	783	8,221	7.3	13.6	13.6	14.2	0.6	
D	10,296	700	8,046	7.2	15.1	15.1	15.5	0.4	
E	12,629	2,925	36,571	2.4	16.0	16.0	16.5	0.5	
F	18,909	1,418	15,555	5.7	16.7	16.7	17.2	0.5	
G	24,140	4,198	45,222	1.1	18.8	18.8	19.8	1.0	
H	28,230	4,290	43,463	1.1	19.6	19.6	20.6	1.0	
I	32,000	3,950	32,222	1.5	20.8	20.8	21.8	1.0	
J	34,205	2,013	17,869	2.7	22.0	22.0	23.0	1.0	
K	36,410	1,654	13,236	3.6	23.8	23.8	24.8	1.0	
L	37,750	434	6,773	7.1	25.1	25.1	26.1	1.0	
M	41,950	1,896	16,114	2.9	28.0	28.0	28.9	0.9	
N	45,620	1,019	12,882	3.6	29.2	29.2	30.1	0.9	
O	48,480	1,050	11,134	4.2	30.9	30.9	31.9	1.0	
P	52,980	605	8,356	5.5	34.8	34.8	35.8	1.0	
Q	55,390	289	6,473	6.3	37.6	37.6	38.6	1.0	
R	57,380	872	7,770	5.2	40.3	40.3	41.3	1.0	
S	58,995	319	7,785	5.1	42.0	42.0	42.8	0.8	
T	60,445	416	6,738	5.9	43.1	43.1	44.0	0.9	
U	61,775	432	6,638	6.0	44.5	44.5	45.4	0.9	
V	63,105	264	3,549	11.3	45.7	45.7	46.5	0.8	
W	65,255	200	2,827	14.0	49.4	49.4	49.7	0.3	
X	67,185	369	4,958	8.0	54.9	54.9	55.0	0.1	
Y	69,225	248	4,207	9.4	57.4	57.4	57.5	0.1	
Z	71,925	336	4,653	8.3	61.8	61.8	62.0	0.2	

¹ Feet Above Confluence With Nestucca Bay

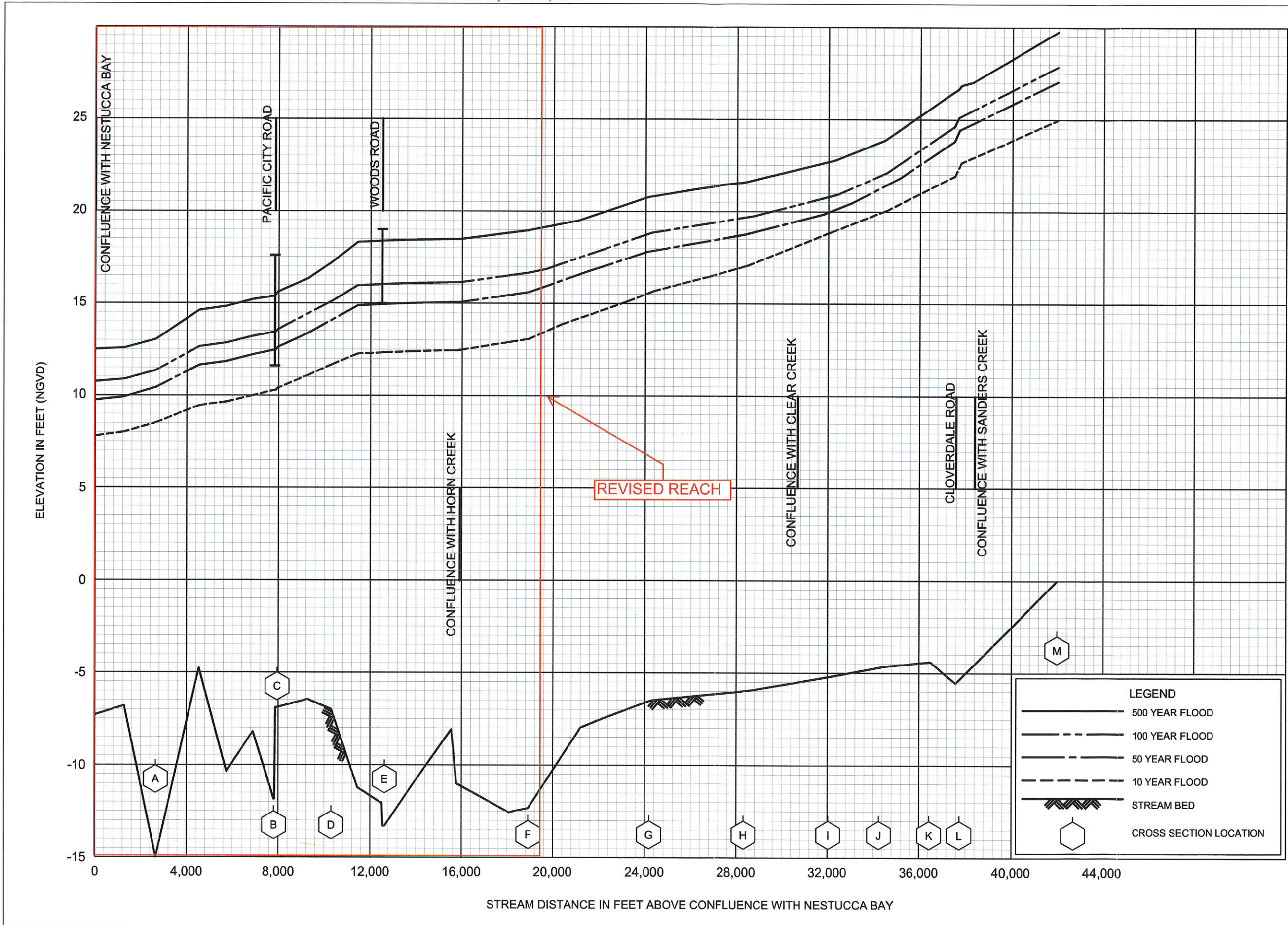
TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

**TILLAMOOK COUNTY, OR
(UNINCORPORATED AREAS)**

FLOODWAY DATA

NESTUCCA RIVER



FLOOD PROFILES

NESTUCCA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY





TILLAMOOK COUNTY, OR


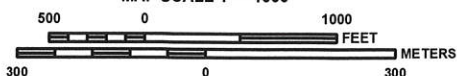
(UNINCORPORATED AREAS)

PACIFIC OCEAN

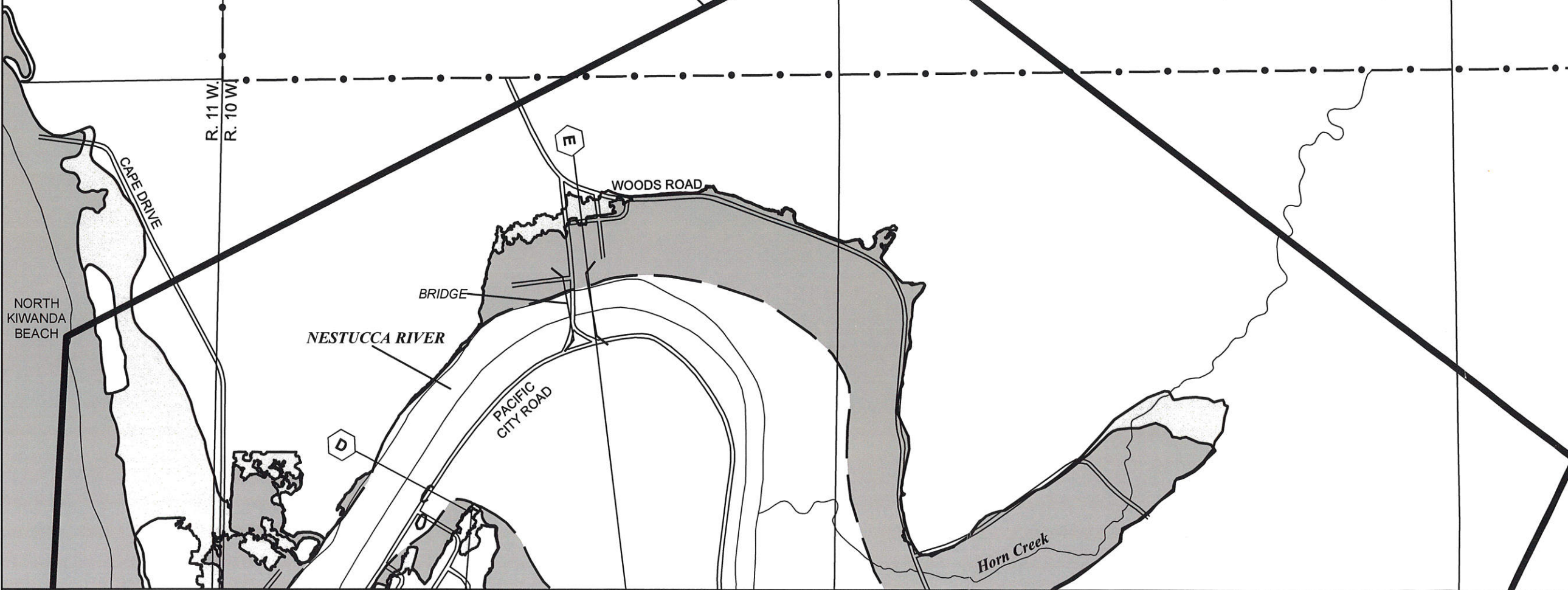
SIUSLAW NATION FOREST

Legend

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


 MAP SCALE 1" = 1000'


REVISED AREA



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD BOUNDARY AND FLOODWAY MAP
**TILLAMOOK COUNTY,
 OREGON**
 (UNINCORPORATED AREAS)

COMMUNITY-PANEL NUMBER
 410196 0305
**REVISED TO REFLECT
 LOMR EFFECTIVE
 JUNE 8, 2015**

PAGE 305 OF 425
 (SEE MAP INDEX FOR PAGES NOT PRINTED)

EFFECTIVE
 AUGUST 1, 1978



U.S. DEPARTMENT OF HOUSING
 AND URBAN DEVELOPMENT
 FEDERAL INSURANCE ADMINISTRATION

JOINS PANEL 0315

PACIFIC OCEAN

SIUSLAW NATION FOREST

ZONE D

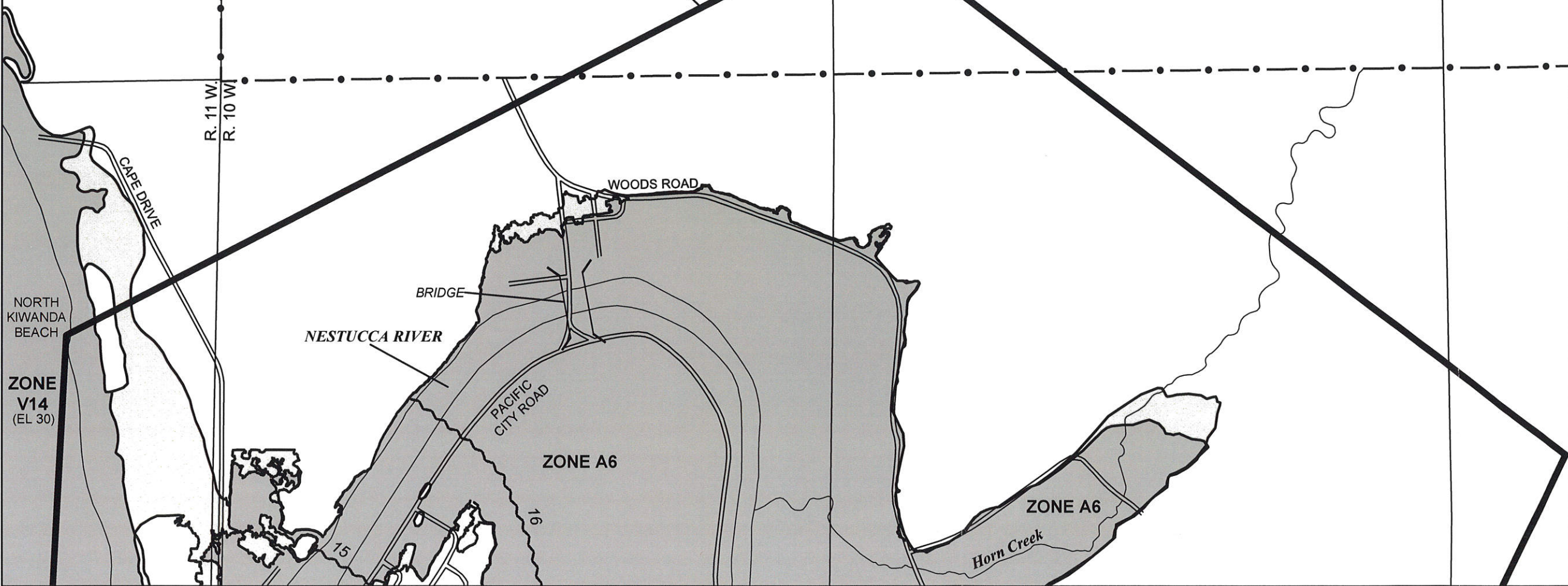
ZONE D

REVISED AREA

Legend

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

MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

TILLAMOOK COUNTY, OREGON
(UNINCORPORATED AREAS)

COMMUNITY-PANEL NUMBER
410196 0305 A

**REVISED TO REFLECT
LOMR EFFECTIVE
JUNE 8, 2015**

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AUGUST 1, 1978

U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

JOINS PANEL 0315

PACIFIC OCEAN

CAPE DR

RM 87
PACIFIC CITY ROAD BRIDGE

Landing Strip

BRODTON ROAD

NESTUCCA RIVER

X
RM 88

PACIFIC CITY ROAD

NESTUCCA RIVER





WOODS-CLOVERDALE COUNTY ROAD

REVISED AREA

NESTUCCA BAY

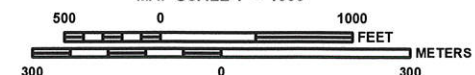
NESTUCCA BAY

Legend

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



MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD BOUNDARY AND FLOODWAY MAP

TILLAMOOK COUNTY,
OREGON
(UNINCORPORATED AREAS)

COMMUNITY-PANEL NUMBER
410196 0315
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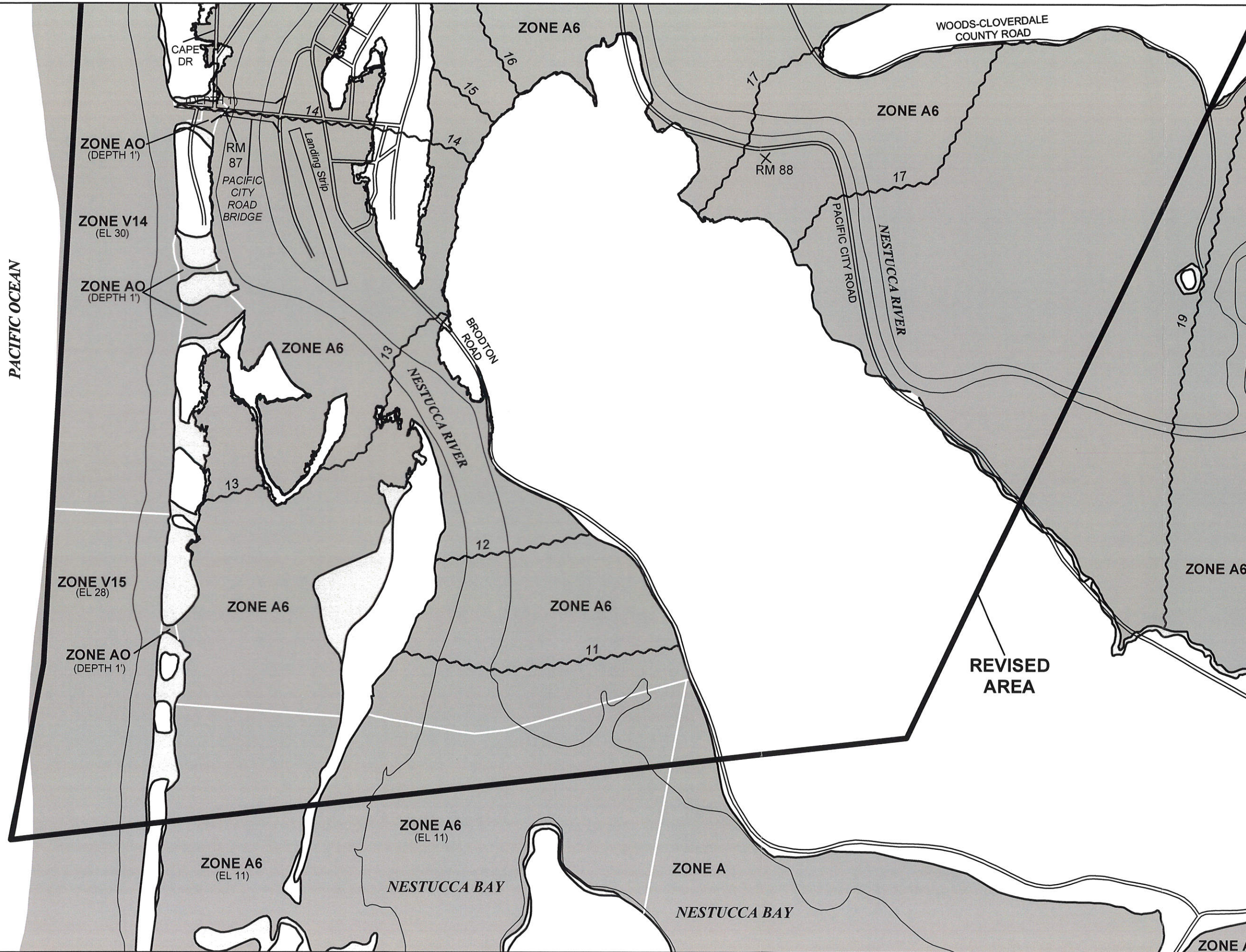
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EFFECTIVE
AUGUST 1, 1978



U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

PACIFIC OCEAN



Legend

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

MAP SCALE 1" = 1000'

500 0 1000 FEET
300 0 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

TILLAMOOK COUNTY, OREGON
(UNINCORPORATED AREAS)

COMMUNITY-PANEL NUMBER
410196 0315 A
REVISED TO REFLECT LOMR EFFECTIVE JUNE 8, 2015

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U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION