



# Federal Emergency Management Agency

Washington, D.C. 20472

August 16, 2011

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Roger Abe  
Chairman, Board of Supervisors  
Yuba County  
915 Eighth Street, Suite 109  
Marysville, CA 95901

IN REPLY REFER TO:

Case No.: 11-09-0045P  
Community Name: Yuba County, CA  
Community No.: 060427

Effective Date of

This Revision: December 30, 2011

**RECEIVED**

**AUG 22 2011**

Dear Mr. Abe:

**Community Development &  
Services Agency**

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 Oakland, California, at (510) 627-7175, or the FEMA Map Information eXchange (FMIX) 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/nfip>.

Sincerely,

*Beth A Norton*

Beth A. Norton, Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration

For: 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. Michael Lee, P.E.  
Director of Public Works  
Yuba County

Mr. Sean Minard, P.E.  
MHM, Incorporated

Mr. Steve Klein, M.S., P.E.  
MHM, Incorporated





# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Yuba County California (Unincorporated Areas)	BRIDGE CULVERT DETENTION BASIN	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 060427		
IDENTIFIER	TRLIA Drainage Study PAL Area	APPROXIMATE LATITUDE & LONGITUDE: 39.133, -121.535 SOURCE: USGS QUADRANGLE    DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*    NO.: 06115C0345D    DATE: February 18, 2011 TYPE: FIRM*    NO.: 06115C0375D    DATE: February 18, 2011 TYPE: FIRM*    NO.: 06115C0410D    DATE: February 18, 2011		DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: FEBRUARY 18, 2011 PROFILE(S): 29P NEW PROFILES: 29P(a), 38P and 39P DELETE PROFILE: 30P SUMMARY OF DISCHARGES TABLE: 2	

Enclosures reflect changes to flooding sources affected by this revision.

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

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

See Page 2 for Additional Flooding Sources

Upper Olivehurst Drain - from just upstream of the confluence with Olivehurst Interceptor to the outlet from Orchard Detention Basin

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Upper Olivehurst Drain	Zone AE	Contained	NONE	YES
	No BFEs*	BFEs	YES	NONE
	Zone X (shaded)	Zone AO	YES	NONE
	Zone A	Contained	NONE	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 (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

*Beth A. Norton*

Beth A. Norton, Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration





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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

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

Upper Linda Drain - from approximately 2,630 feet downstream of Alberta Avenue to approximately 200 feet upstream of Brophy Road

Upper Upper Olivehurst Drain - from the inlet to Orchard Detention Basin to just upstream of Wood Lane

Orchard Detention Basin - approximately 800 feet west and 250 feet north of the intersection of Erle Road and Turnberry Drive

#### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Upper Linda Drain	Zone AE	Zone AE	YES	YES
	Zone AE	Contained	NONE	YES
	Zone A	Contained	NONE	YES
	Zone A	Zone AE	YES	YES
	Zone X (shaded)	Zone AO	YES	NONE
	Zone X (shaded)	Zone AH	YES	NONE
	No BFEs*	BFEs	YES	NONE
	BFEs	BFEs	NONE	YES
	Zone X (unshaded)	Zone AO	YES	NONE
Upper Upper Olivehurst Drain	Zone X (shaded)	Zone AE	YES	NONE
	No BFEs	BFEs	YES	NONE
Orchard Detention Basin	Zone X (shaded)	Zone AH	YES	NONE
	No BFEs	BFEs	YES	NONE

\* BFEs - Base Flood Elevations

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, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Engineering Management Branch  
Federal Insurance and Mitigation Administration

122451 PT202.02.11090045P.H15

102-I-A-C





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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.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

#### 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 (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. 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)

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. Sally M. Ziolkowski  
Director, Mitigation Division  
Federal Emergency Management Agency, Region IX  
1111 Broadway Street, Suite 1200  
Oakland, CA 94607-4052  
(510) 627-7175

### 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, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. 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

#### PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BASE FLOOD ELEVATIONS		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Upper Olivehurst Drain	Approximately 2,650 feet upstream of the confluence with Olivehurst Interceptor	66	None	06115C0410D
	Along the left overbank from approximately 2,720 feet southeast of the intersection of Erle Road and Goldfields Parkway (intersection) to approximately 470 feet southwest of the intersection	None	1#	06115C0410D
Upper Linda Drain	Approximately 2,780 feet upstream of Linda Avenue	72*	71*	06115C0345D
	Along the left overbank from approximately 540 feet southwest of the intersection Horman Drive and Jordan Drive to approximately 100 feet west of the intersection	None	72*	06115C0345D
	Approximately 2,170 feet upstream of Griffith Avenue	None	74	06115C0345D
	From approximately 230 feet downstream of Brophy Road to just downstream	None	1#	06115C0375D
Upper Upper Olivehurst Drain	Approximately 1,620 feet upstream of Orchard Detention Basin	None	67*	06115C0410D
	Just upstream of Wood Lane	None	73*	06115C0345D
Orchard Detention Basin	Approximately 800 feet west and 250 feet north of the intersection of Erle Road and Turnberry Drive	None	61*	06115C0410D

\* Elevation in feet, referenced to the North American Vertical Datum of 1988 (NAVD)      # Depth in feet above ground

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 BFEs presented in this LOMR may be changed.

A notice of changes will be published in the *Federal Register*. A short notice also will be published in your local newspaper on or about the dates listed below. Please refer to FEMA's website at [https://www.floodmaps.fema.gov/fhtm/Scripts/bfe\\_main.asp](https://www.floodmaps.fema.gov/fhtm/Scripts/bfe_main.asp) for a more detailed description of proposed BFE changes, which will be posted within a week of the date of this letter.

LOCAL NEWSPAPER      Name: *Appeal-Democrat*  
Dates: August 25, 2011 and September 1, 2011

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, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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102-I-A-C



Table 2. Summary of Peak Discharges

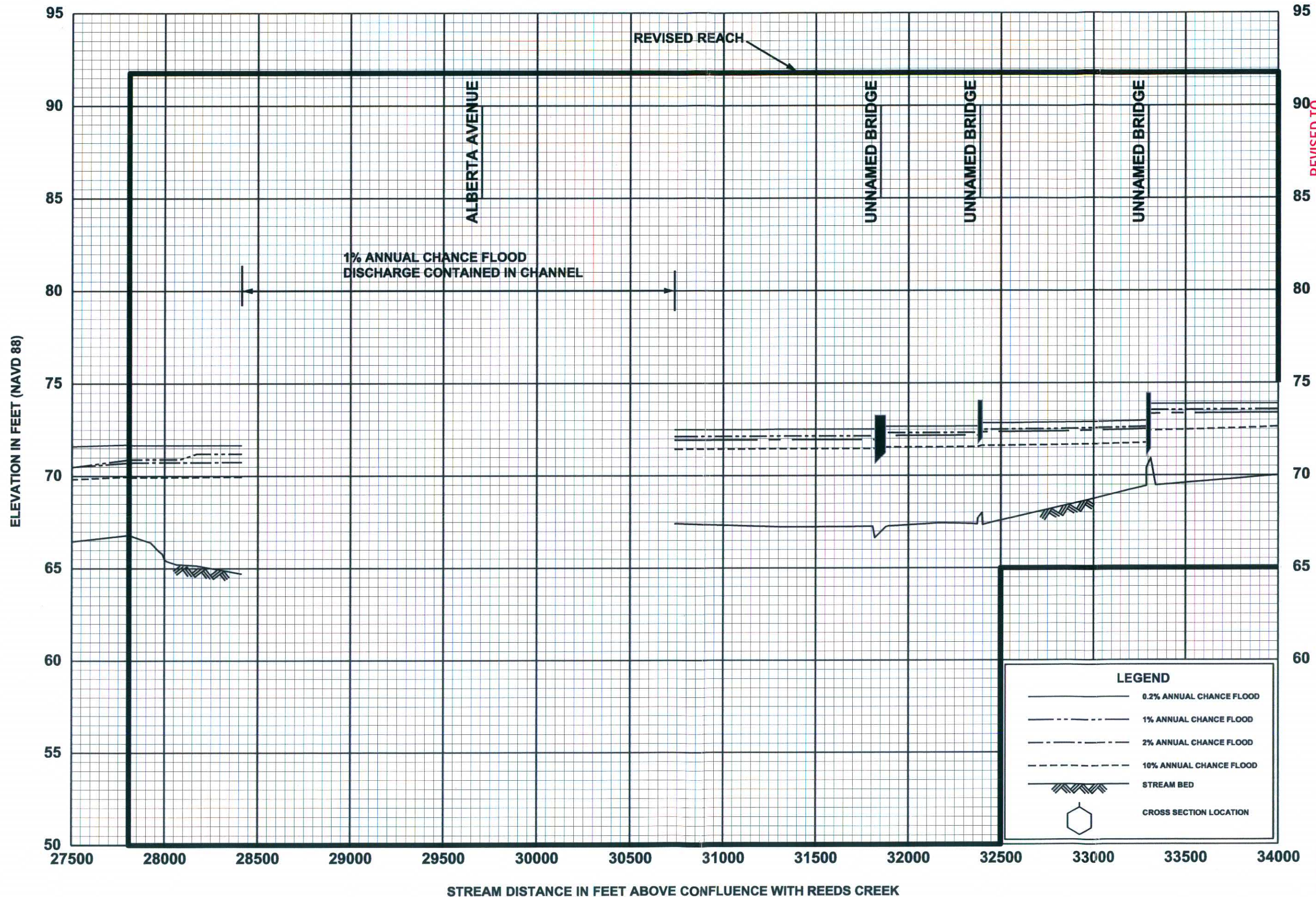
Flooding Source and Location	Drainage Area (sq mi)	Peak Discharges (Cubic Feet Per Second)			
		10- percent- annual- chance	2- percent- annual- chance	1- percent- annual- chance	02.- percent- annual- chance
Bear River At Wheatland	292	*	*	*	*
Best Slough At Western Pacific Interceptor Canal	9.7	*	*	*	*
Dry Creek Above best Slough Split At Jasper Lane	82 101	*	*	*	*
Feather River Upstream from confluence with Yuba River	3,980	*	*	*	*
Jack-Simmerly Slough At Woodruff Lane	50.0	2,800	5,300	6,700	10,000
At confluence with Feather River	55.0	3,000	5,700	7,000	10,500
Olivehurst Interceptor Immediately downstream of Erle Road	5.8	330	446	466	517
Upper Linda Drain At North Beale Road	5.3	150	186	234	329
At approximately 2,980 feet upstream of North Beale Road	5.0	*	*	*	*
Upper Olivehurst Drain At Confluence with Olivehurst Interceptor	3.2	*	*	*	*
Upper Upper Oliverhurst Drain At the inlet to Orchard Detention Basin	1.7	*	*	*	*
Western Pacific Intercept Channel At Plumas Lake	87.2	*	*	*	*
Yuba River At confluence with Feather River	1,350	*	*	*	*

\*Peak discharge does not apply. Stream reaches were studied using HEC-RAS unsteady state models.

Revised Data

REVISED TO  
REFLECT LOMR  
EFFECTIVE: December 30, 2011



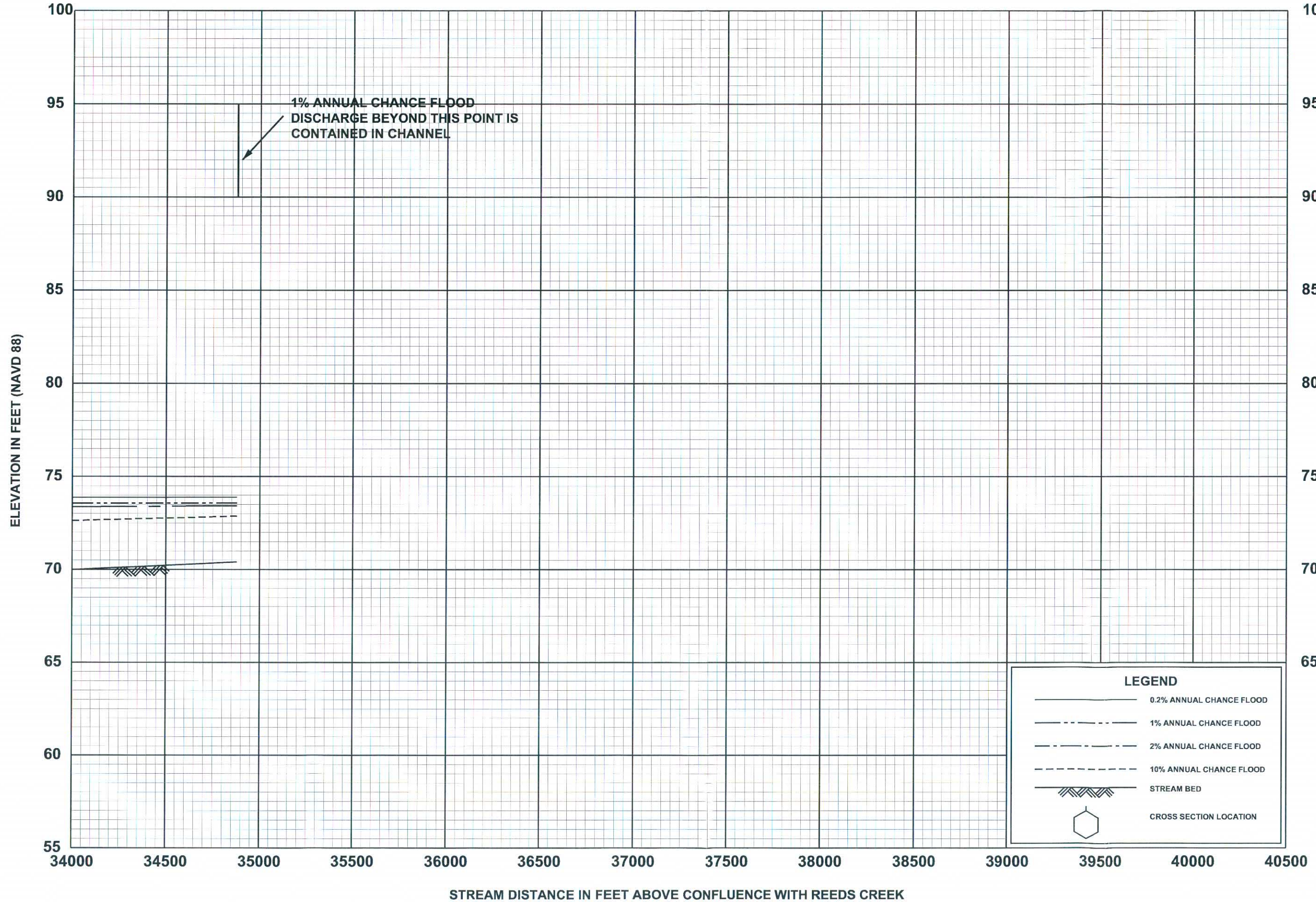


REVISED TO REFLECT LOMR  
FLOOD PROFILES EFFECTIVE: December 30, 2011

UPPER LINDA DRAIN

FEDERAL EMERGENCY MANAGEMENT AGENCY  
YUBA COUNTY, CA  
AND INCORPORATED AREAS



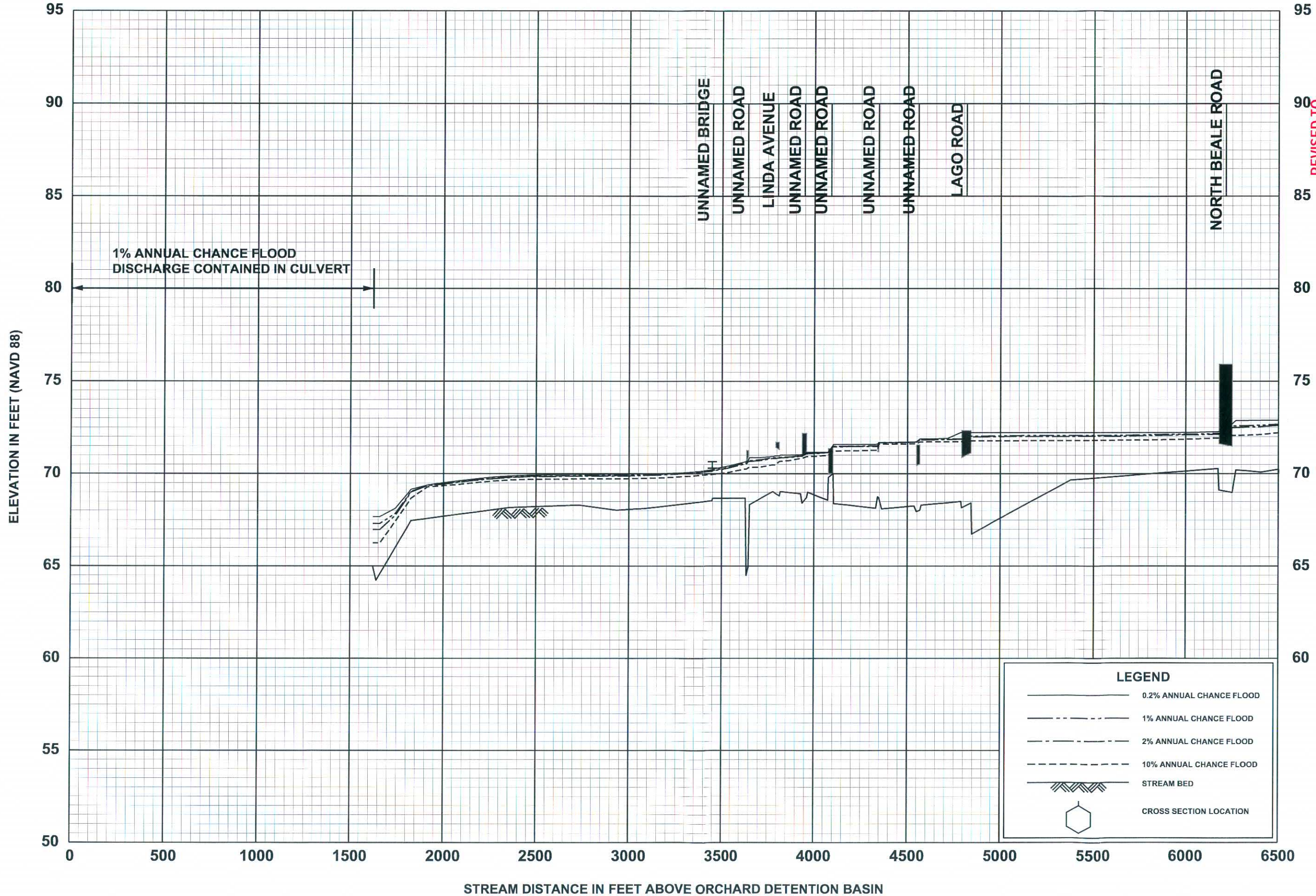


REVISED TO  
REFLECT LOMR  
FLOOD PROFILES  
EFFECTIVE December 30, 2011

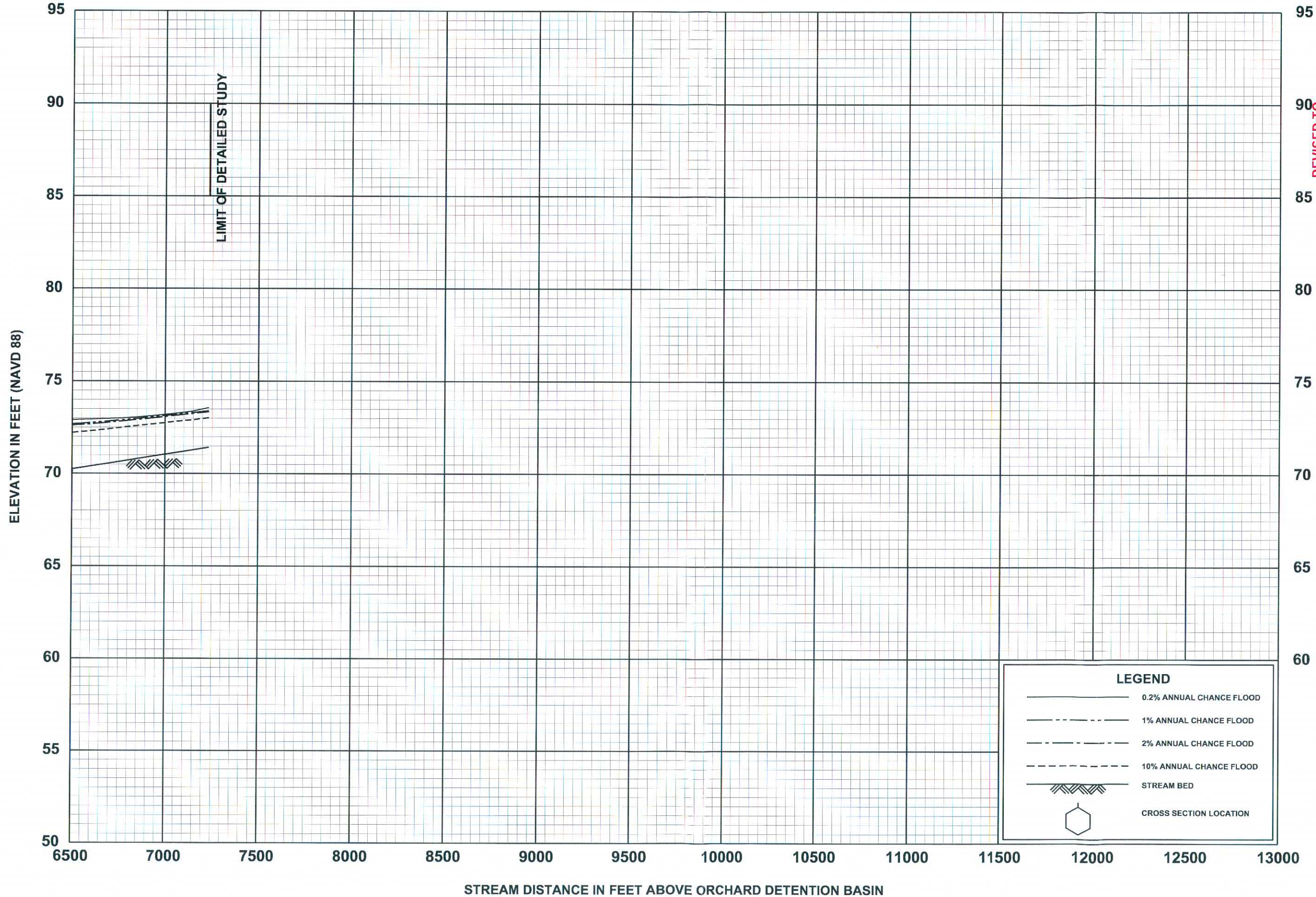
UPPER LINDA DRAIN

FEDERAL EMERGENCY MANAGEMENT AGENCY  
YUBA COUNTY, CA  
AND INCORPORATED AREAS









REVISED TO  
REFLECT LOMR  
EFFECTIVE: December 30, 2011

**FLOOD PROFILES**

**UPPER UPPER OLIVEHURST DRAIN**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**YUBA COUNTY, CA**  
AND INCORPORATED AREAS