

FLOOD INSURANCE STUDY

VOLUME 2 OF 2



HUMBOLDT COUNTY, CALIFORNIA AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
ARCATA, CITY OF	060061
BLUE LAKE, CITY OF	060438
EUREKA, CITY OF	060062
FERNDALE, CITY OF	060445
FORTUNA, CITY OF	060063
HUMBOLDT COUNTY (UNINCORPORATED AREAS)	060060
RIO DELL, CITY OF	060064
TRINIDAD, CITY OF*	060436

*NOT PARTICIPATING IN THE NFIP



REVISED: June 21, 2017

REPRINTED WITH CORRECTIONS ON AUGUST 31, 2018



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
06023CV001B

NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

Selected Flood Insurance Rate Map panels for this community contain information that was previously shown separately on the corresponding Flood Boundary and Floodway Map panels (e.g., floodways and cross sections). In addition, former flood hazard zone designations have been changed as follows.

<u>Old Zone(s)</u>	<u>New Zone</u>
A1 through A30	AE
V1 through V30	VE
B	X
C	X

This FIS report was revised on June 21, 2017. Users should refer to Section 10.0, Revisions Description, for further information. Section 10.0 is intended to present the most up-to-date information for specific portions of this FIS report. Therefore, users of this FIS report should be aware that the information presented in Section 10.0 supersedes information in Sections 1.0 through 9.0 of this FIS report.

Initial Countywide FIS Effective Date: November 04, 2016

Revised Countywide FIS Date: June 21, 2017 First Revision

This FIS report (Volume 1 of 2) was reissued on August 31, 2018 to make a correction; this version replaces any previous versions. See the Notice-to-User Letter that accompanied this correction for details.

TABLE OF CONTENTS

VOLUME 1

1.0 INTRODUCTION	1
1.1 Purpose of Study	1
1.2 Authority and Acknowledgments	1
1.3 Coordination	4
2.0 AREA STUDIED	5
2.1 Scope of Study	5
2.2 Community Description	6
2.3 Principal Flood Problems	9
2.4 Flood Protection Measures	20
3.0 ENGINEERING METHODS	22
3.1 Hydrologic Analyses	23
3.2 Hydraulic Analyses	33
3.3 Coastal Hazard Analyses	39
3.4 Coastal Analyses for the June 21, 2017 Revision to the Countywide FIS	41
3.5 Vertical Datum	66
4.0 FLOODPLAIN MANAGEMENT APPLICATIONS	67
4.1 Floodplain Boundaries	67
4.2 Floodways	68
5.0 INSURANCE APPLICATIONS	77
6.0 FLOOD INSURANCE RATE MAP	79
7.0 OTHER STUDIES	81
8.0 LOCATION OF DATA	82
9.0 BIBLIOGRAPHY AND REFERENCES	84
10.0 REVISION DESCRIPTIONS	87
10.1 First Revision June 21, 2017	87

TABLE OF CONTENTS - continued

FIGURES

Figure 1 - TRANSECT SCHEMATIC	40
Figure 2 - COASTAL REACH ASSIGNMENT FOR SPATIAL APPLICATION OF TIDE GAUGE ANALYSES RESULTS	42
Figure 3 – TRANSECT LOCATION MAPS FOR THE OPEN PACIFIC COAST STUDY AREA	50
Figure 4 - FLOODWAY SCHEMATIC	77

TABLES

Table 1 – INITIAL AND FINAL CCO MEETINGS	5
Table 2 - FLOODING SOURCES STUDIED BY DETAILED METHODS	5
Table 3 - SUMMARY OF DISCHARGES	29
Table 4 - SUMMARY OF STILLWATER ELEVATIONS	31
Table 5 - MANNING'S "n" VALUES	39
Table 6 – SPATIAL APPLICATION OF TIDE GAUGE ANALYSES RESULTS	42
Table 7 – SUMMARY OF REGIONAL SWELs AT TIDE GAUGES	43
Table 8 – TRANSECT LOCATION DESCRIPTIONS FOR THE OPEN PACIFIC COAST STUDY	45
Table 9 – OPEN PACIFIC COAST STUDY TRANSECT DATA AND TWLs	64
Table 10 - FLOODWAY DATA TABLES	71
Table 11 - COMMUNITY MAP HISTORY	80
Table 12 - MAP REPOSITORIES	83

VOLUME 2

APPENDIX A

Table 13. LISTING OF NFIP JURISDICTIONS	91
Figure 5. FIRM NOTES TO USERS	95
Figure 6. MAP LEGEND FOR FIRM	98
Figure 7. FIRM PANEL INDEX	102

EXHIBITS

Exhibit 1 -	Flood Profiles	
	Dave Power's Creek	Panel 01P-02P
	Eastside Channel	Panel 03P
	Eel River	Panels 04P-15P
	Francis Creek	Panels 16P-17P
	Freshwater Creek	Panels 18P-21P
	Hillside Creek	Panel 22P
	Jacoby Creek	Panels 23P-25P
	Janes Creek	Panels 26P-28P
	Mad River	Panels 29P-31P
	Mad River (at Blue Lake)	Panels 32P-35P

EXHIBITS – continued

Exhibit 1 -	Flood Profiles	
	Martin Slough	Panels 36P-39P
	Martin Slough Tributary C	Panels 40P-41P
	North Fork Mad River	Panels 42P-43P
	Rohner Creek	Panels 44P-47P
	South Fork Eel River	Panels 48P-50P
	Strongs Creek	Panels 51P-52P
	Trinity River	Panels 53P-55P
	Van Duzen River	Panels 56P-59P
	Williams Creek	Panels 60P-61P
Exhibit 2 -	Flood Insurance Rate Map Index	
	Flood Insurance Rate Maps	

APPENDIX A

Jurisdictions that have no identified SFHAs as of the effective date of this study are indicated in the table. Changed conditions in these communities (such as urbanization or annexation) or the availability of new scientific or technical data about flood hazards could make it necessary to determine SFHAs in these jurisdictions in the future.

Table 13: Listing of NFIP Jurisdictions

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Arcata, City of	060061	18010102	06023C0687F 06023C0689F 06023C0690F 06023C0695F 06023C0852G 06023C0854G 06023C0855G 06023C0860F	
Blue Lake, City of	060438	18010102	06023C0694F 06023C0713F	
Eureka, City of	060062	18010102	06023C0835G 06023C0839G 06023C0840G 06023C0843G 06023C0844F 06023C0845G 06023C0854G 06023C0855G 06023C0865G	
Ferndale, City of	060445	18010105	06023C1184F	
Fortuna, City of	060063	18010105	06023C1206F 06023C1207F 06023C1208F 06023C1209F 06023C1220F 06023C1230F 06023C1240F	
Humboldt County, Unincorporated Areas	060060	18010102, 18010105, 18010106, 18010107, 18010209, 18010211, 18010212	06023C0005G 06023C0010G 06023C0015G 06023C0020G 06023C0050F 06023C0075F 06023C0100F ¹ 06023C0125F ¹ 06023C0150F ¹ 06023C0155G	

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Humboldt County, Unincorporated Areas (continued)	060060	18010102, 18010105, 18010106, 18010107, 18010209, 18010211, 18010212	06023C0160G 06023C0165F 06023C0170F 06023C0200F ¹ 06023C0225F ¹ 06023C0250F ¹ 06023C0275F ¹ 06023C0300F ¹ 06023C0320G 06023C0330G 06023C0340G 06023C0350G 06023C0375F ¹ 06023C0400F ¹ 06023C0425F 06023C0450F ¹ 06023C0475F ¹ 06023C0485G 06023C0495G 06023C0515G 06023C0525G 06023C0550F 06023C0575F 06023C0600F ¹ 06023C0625F ¹ 06023C0650F ¹ 06023C0660G 06023C0670G 06023C0680G 06023C0685F 06023C0687F 06023C0689F 06023C0690F 06023C0694F 06023C0695F 06023C0713F 06023C0715F 06023C0725F 06023C0750F ¹ 06023C0755F ¹ 06023C0760F 06023C0765F ¹ 06023C0770F ¹ 06023C0800F ¹ 06023C0825F ¹ 06023C0830G 06023C0835G 06023C0839G 06023C0840G 06023C0843G	

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Humboldt County, Unincorporated Areas (continued)	060060	18010102, 18010105, 18010106, 18010107, 18010209, 18010211, 18010212	06023C0844F 06023C0845G 06023C0852G 06023C0854G 06023C0855G 06023C0860F 06023C0865G 06023C0870F 06023C0880F 06023C0900F 06023C0925F 06023C0950F ¹ 06023C0975F ¹ 06023C0985G 06023C0990G 06023C0995G 06023C1005G 06023C1015G 06023C1025G 06023C1050F 06023C1075F 06023C1100F 06023C1125F ¹ 06023C1150F ¹ 06023C1170G 06023C1180G 06023C1184F 06023C1185F 06023C1190G 06023C1195G 06023C1205F 06023C1206F 06023C1207F 06023C1208F 06023C1209F 06023C1215F 06023C1220F 06023C1230F 06023C1235F 06023C1240F 06023C1245F 06023C1275F 06023C1300F 06023C1325F 06023C1350F ¹ 06023C1360G 06023C1370G 06023C1390G 06023C1400G 06023C1425F	

Community	CID	HUC-8 Sub-Basin(s)	Located on FIRM Panel(s)	If Not Included, Location of Flood Hazard Data
Humboldt County, Unincorporated Areas (continued)	060060	18010102, 18010105, 18010106, 18010107, 18010209, 18010211, 18010212	06023C1430F 06023C1435F 06023C1440F ¹ 06023C1445F ¹ 06023C1455F 06023C1460F 06023C1465F 06023C1470F 06023C1500F 06023C1525F 06023C1550F 06023C1555G 06023C1565G 06023C1575G 06023C1600F 06023C1625F ¹ 06023C1650F 06023C1675F 06023C1700F 06023C1725F 06023C1730G 06023C1735G 06023C1745G 06023C1765G 06023C1770G 06023C1775G 06023C1800F 06023C1825F 06023C1840F 06023C1850F 06023C1875F 06023C1900F 06023C1910G 06023C1930G 06023C1935G 06023C1940G 06023C1945G 06023C1975F 06023C1980F 06023C1985F 06023C2000F 06023C2025F 06023C2050F	
Rio Dell, City of	060064	18010105	06023C1220F 06023C1240F 06023C1430F	
Trinidad, City of	060436	18010102	06023C0485G 06023C0495G	

¹ Panel Not Printed

Each FIRM panel may contain specific notes to the user that provide additional information regarding the flood hazard data shown on that map. However, the FIRM panel does not contain enough space to show all the notes that may be relevant in helping to better understand the information on the panel. Figure 5 contains the full list of these notes.

Figure 5. FIRM Notes to Users

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products, or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information eXchange.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates, refer to Table 11 in this FIS Report.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

The map is for use in administering the NFIP. It may not identify all areas subject to flooding, particularly from local drainage sources of small size. Consult the community map repository to find updated or additional flood hazard information.

BASE FLOOD ELEVATIONS: For more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations and/or Transect Data tables within this FIS Report. Use the flood elevation data within the FIS Report in conjunction with the FIRM for construction and/or floodplain management.

Coastal Base Flood Elevations shown on the map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 888). Coastal flood elevations are also provided in the Summary of Stillwater Elevations table and Transect Data table in the FIS Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table and Transect Data table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on the FIRM.

FLOODWAY INFORMATION: Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the FIS Report for this jurisdiction.

FLOOD CONTROL STRUCTURE INFORMATION: Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to the "Flood Protection Measures" section of this FIS Report for information on flood control structures for this jurisdiction.

PROJECTION INFORMATION: The projection used in the preparation of the map was Universal Transverse Mercator (UTM) Zone 10. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

ELEVATION DATUM: Flood elevations on the FIRM are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

*NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242*

Local vertical monuments may have been used to create the map. To obtain current monument information, please contact the appropriate local community listed on the FIRM Index.

BASE MAP INFORMATION: Base map information shown on the FIRM was derived from multiple sources. Coastal California LiDAR and Digital Imagery dated 2011 was compiled from the Coastal Services Center where available, and it was supplemented with 2012 USDA National Agriculture Imagery Program 2012 (NAIP) Imagery.

The map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables may reflect stream channel distances that differ from what is shown on the map.

Corporate limits shown on the map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after the map was published, map users should contact appropriate community officials to verify current corporate limit locations.

NOTES FOR FIRM INDEX

REVISIONS TO INDEX: As new studies are performed and FIRM panels are updated within Humboldt County, CA, corresponding revisions to the FIRM Index will be incorporated within the FIS Report to reflect the effective dates of those panels. Please refer to the FIRM Index to determine the most recent FIRM revision date for each community. The most recent FIRM panel effective date will correspond to the most recent index date.

SPECIAL NOTES FOR SPECIFIC FIRM PANELS

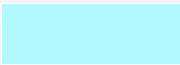
This Notes to Users section was created specifically for Humboldt County, CA, effective June 21, 2017.

LIMIT OF MODERATE WAVE ACTION: Zone AE has been divided by a Limit of Moderate Wave Action (LiMWA). The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between Zone VE and the LiMWA (or between the shoreline and the LiMWA for areas where Zone VE is not identified) will be similar to, but less severe than, those in Zone VE.

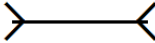
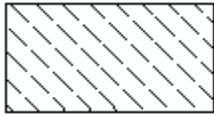
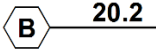
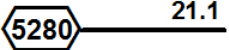
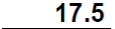
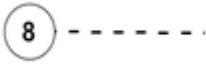
FLOOD RISK REPORT: A Flood Risk Report (FRR) may be available for many of the flooding sources and communities referenced in this FIS Report. The FRR is provided to increase public awareness of flood risk by helping communities identify the areas within their jurisdictions that have the greatest risks. Although non-regulatory, the information provided within the FRR can assist communities in assessing and evaluating mitigation opportunities to reduce these risks. It can also be used by communities developing or updating flood risk mitigation plans. These plans allow communities to identify and evaluate opportunities to reduce potential loss of life and property. However, the FRR is not intended to be the final authoritative source of all flood risk data for a project area; rather, it should be used with other data sources to paint a comprehensive picture of flood risk.

Each FIRM panel contains an abbreviated legend for the features shown on the maps. However, the FIRM panel does not contain enough space to show the legend for all map features. Figure 3 shows the full legend of all map features. Note that not all of these features may appear on the FIRM panels in Humboldt County.

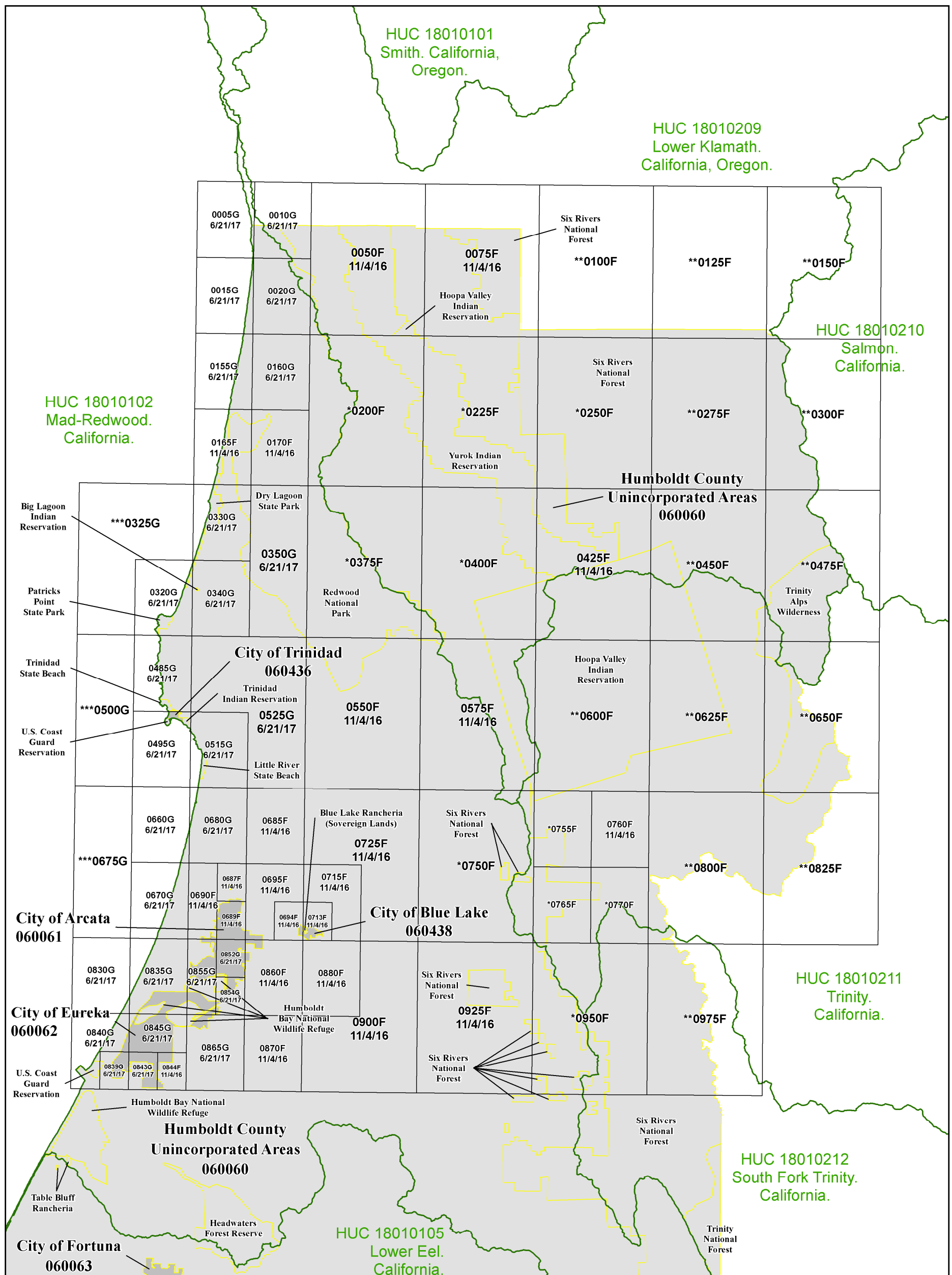
Figure 6. Map Legend for FIRM

SPECIAL FLOOD HAZARD AREAS: <i>The 1% annual chance flood, also known as the base flood or 100-year flood, has a 1% chance of happening or being exceeded each year. Special Flood Hazard Areas are subject to flooding by the 1% annual chance flood. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood. The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. See note for specific types. If the floodway is too narrow to be shown, a note is shown.</i>	
	Special Flood Hazard Areas subject to inundation by the 1% annual chance flood (Zones A, AE, AH, AO, AR, A99, V and VE)
Zone A	The flood insurance rate zone that corresponds to the 1% annual chance floodplains. No base (1% annual chance) flood elevations (BFEs) or depths are shown within this zone.
Zone AE	The flood insurance rate zone that corresponds to the 1% annual chance floodplains. Base flood elevations derived from the hydraulic analyses are shown within this zone.
Zone AH	The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot BFEs derived from the hydraulic analyses are shown at selected intervals within this zone.
Zone AO	The flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-foot depths derived from the hydraulic analyses are shown within this zone.
Zone AR	The flood insurance rate zone that corresponds to areas that were formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
Zone A99	The flood insurance rate zone that corresponds to areas of the 1% annual chance floodplain that will be protected by a Federal flood protection system where construction has reached specified statutory milestones. No base flood elevations or flood depths are shown within this zone.
Zone V	The flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations are not shown within this zone.
Zone VE	Zone VE is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Base flood elevations derived from the coastal analyses are shown within this zone as static whole-foot elevations that apply throughout the zone.

	Regulatory Floodway determined in Zone AE.
OTHER AREAS OF FLOOD HAZARD	
	Shaded Zone X: Areas of 0.2% annual chance flood hazards and areas of 1% annual chance flood hazards with average depths of less than 1 foot or with drainage areas less than 1 square mile.
	Future Conditions 1% Annual Chance Flood Hazard – Zone X: The flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined based on future-conditions hydrology. No base flood elevations or flood depths are shown within this zone.
	Area with Reduced Flood Risk due to Levee: Areas where an accredited levee, dike, or other flood control structure has reduced the flood risk from the 1% annual chance flood.
	Area with Flood Risk due to Levee: Areas where a non-accredited levee, dike, or other flood control structure is shown as providing protection to less than the 1% annual chance flood.
OTHER AREAS	
	Zone D (Areas of Undetermined Flood Hazard): The flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.
	Unshaded Zone X: Areas of minimal flood hazard.
FLOOD HAZARD AND OTHER BOUNDARY LINES	
  (ortho) (vector)	Flood Zone Boundary (white line on ortho-photography-based mapping; gray line on vector-based mapping)
	Limit of Study
	Jurisdiction Boundary
	Limit of Moderate Wave Action (LiMWA): Indicates the inland limit of the area affected by waves greater than 1.5 feet
GENERAL STRUCTURES	
   	Channel, Culvert, Aqueduct, or Storm Sewer
  	Dam, Jetty, Weir

	Levee, Dike, or Floodwall
 Bridge	Bridge
COASTAL BARRIER RESOURCES SYSTEM (CBRS) AND OTHERWISE PROTECTED AREAS (OPA): <i>CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.</i>	
 CBRS AREA 09/30/2009	Coastal Barrier Resources System Area: Labels are shown to clarify where this area shares a boundary with an incorporated area or overlaps with the floodway.
 OTHERWISE PROTECTED AREA 09/30/2009	Otherwise Protected Area
REFERENCE MARKERS	
 22.0	River mile Markers
CROSS SECTION & TRANSECT INFORMATION	
 20.2	Lettered Cross Section with Regulatory Water Surface Elevation (BFE)
 21.1	Numbered Cross Section with Regulatory Water Surface Elevation (BFE)
 17.5	Unlettered Cross Section with Regulatory Water Surface Elevation (BFE)
 8	Coastal Transect
 	Profile Baseline: Indicates the modeled flow path of a stream and is shown on FIRM panels for all valid studies with profiles or otherwise established base flood elevation. Coastal Transect Baseline: Used in the coastal flood hazard model to represent the 0.0-foot elevation contour and the starting point for the transect and the measuring point for the coastal mapping.
 513	Base Flood Elevation Line
ZONE AE (EL 16)	Static Base Flood Elevation value (shown under zone label)
ZONE AO (DEPTH 2)	Zone designation with Depth

ZONE AO (DEPTH 2) (VEL 15 FPS)	Zone designation with Depth and Velocity
BASE MAP FEATURES	
 <i>Missouri Creek</i>	River, Stream or Other Hydrographic Feature
	Interstate Highway
	U.S. Highway
	State Highway
	County Highway
 	Street, Road, Avenue Name, or Private Drive if shown on Flood Profile
 <i>RAILROAD</i>	Railroad
	Horizontal Reference Grid Line
	Horizontal Reference Grid Ticks
	Secondary Grid Crosshairs
Land Grant	Name of Land Grant
7	Section Number
R. 43 W. T. 22 N.	Range, Township Number
⁴² 76 ^{000m} E	Horizontal Reference Grid Coordinates (UTM)
365000 FT	Horizontal Reference Grid Coordinates (State Plane)
80° 16' 52.5"	Corner Coordinates (Latitude, Longitude)



1 inch = 28,333 feet 1:340,000
 0 1.25 2.5 5 7.5 10 Miles
 Map Projection:
 Universal Transverse Mercator Zone 13 North, Meters;
 North American Datum 1983

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING
 DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
[HTTP://MSC.FEMA.GOV](http://MSC.FEMA.GOV)

SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION

*PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS
 IDENTIFIED

**PANEL NOT PRINTED - AREA IN ZONE D

***PANEL NOT PRINTED - AREA OUTSIDE COUNTY BOUNDARY

COUNTY LOCATOR



NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP INDEX (Sheet 1 of 2)

HUMBOLDT COUNTY, CALIFORNIA

AND INCORPORATED AREAS

PANELS PRINTED:

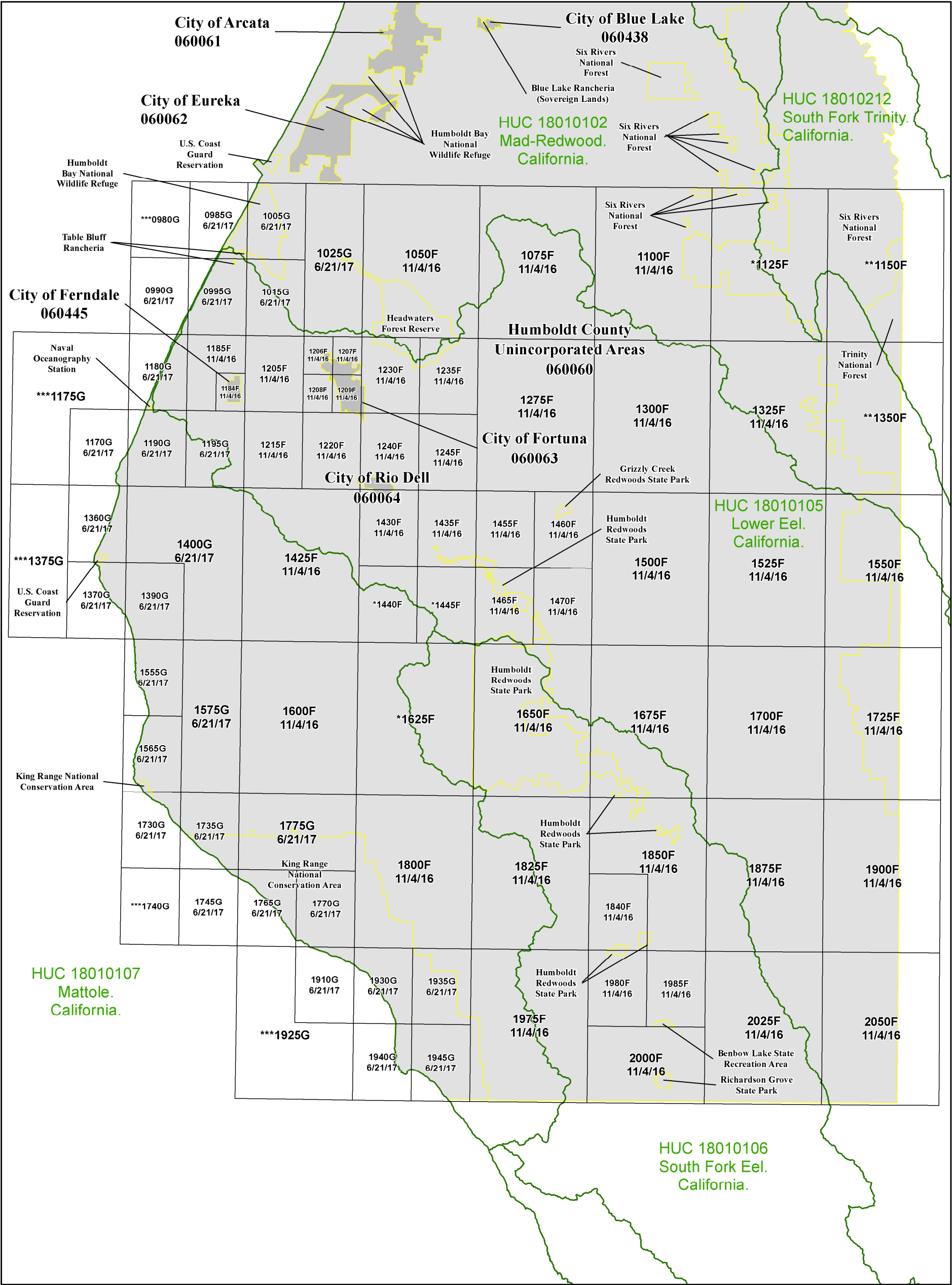
0005, 0010, 0015, 0020, 0050, 0075, 0155, 0160, 0170, 0310, 0320, 0330, 0340,
 0350, 0425, 0485, 0495, 0515, 0525, 0550, 0575, 0660, 0670, 0680, 0685, 0687,
 0689, 0690, 0694, 0695, 0713, 0715, 0725, 0760, 0830, 0835, 0839, 0840, 0843,
 0844, 0845, 0852, 0854, 0855, 0860, 0865, 0870, 0880, 0900, 0925



FEMA

MAP NUMBER
 06023CIND1B

MAP REVISED
 June 21, 2017



1 inch = 28,333 feet 1:340,000
0 1.25 2.5 5 7.5 10 Miles
Map Projection:
Universal Transverse Mercator Zone 13 North, Meters;
North American Datum 1983
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
HTTP://MSC.FEMA.GOV
SEE FLOOD INSURANCE STUDY FOR ADDITIONAL INFORMATION
*PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS IDENTIFIED
**PANEL NOT PRINTED - AREA IN ZONE D
***PANEL NOT PRINTED - AREA OUTSIDE COUNTY BOUNDARY

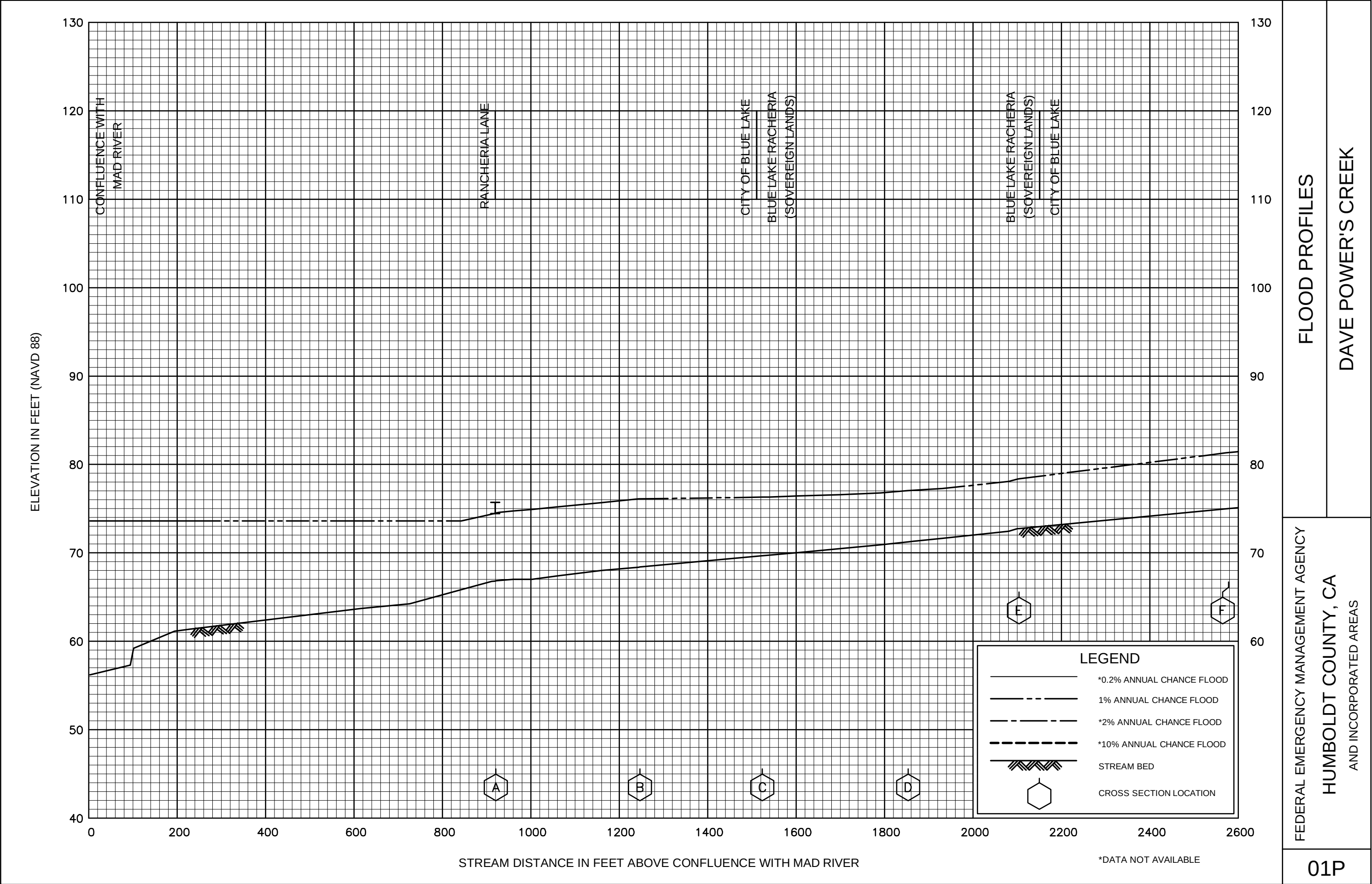


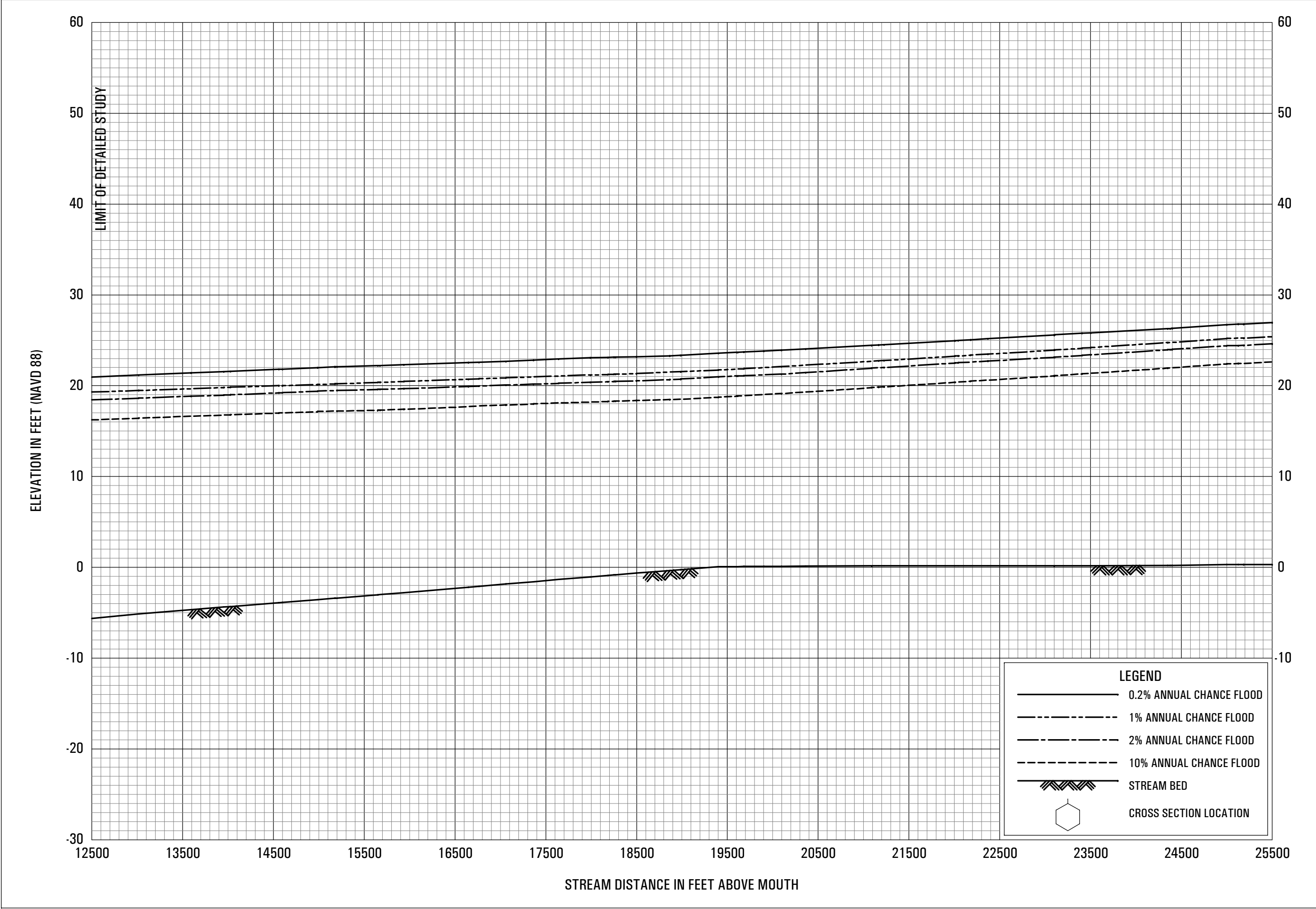
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP INDEX (Sheet 2 of 2)

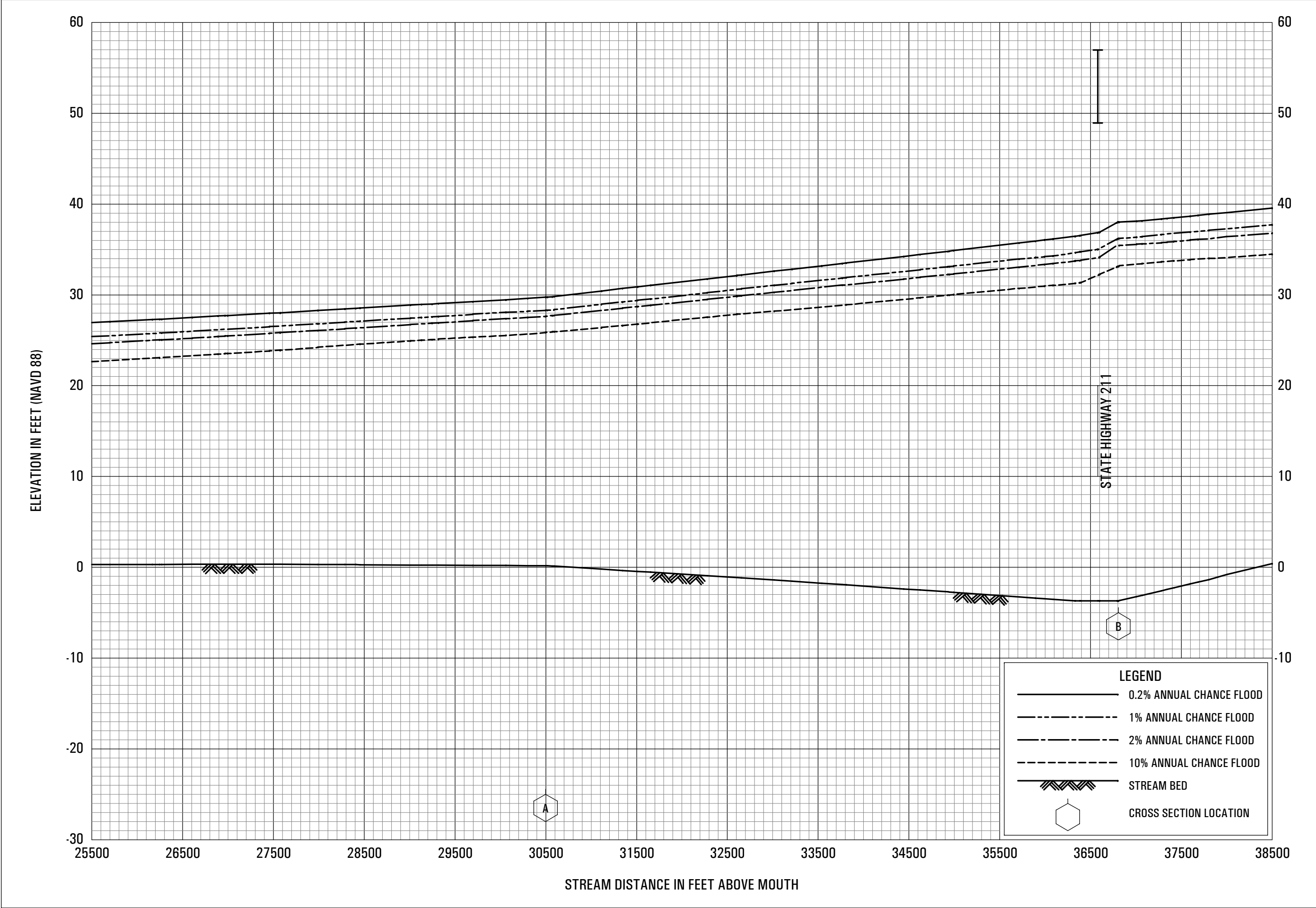
HUMBOLDT COUNTY, CALIFORNIA AND INCORPORATED AREAS

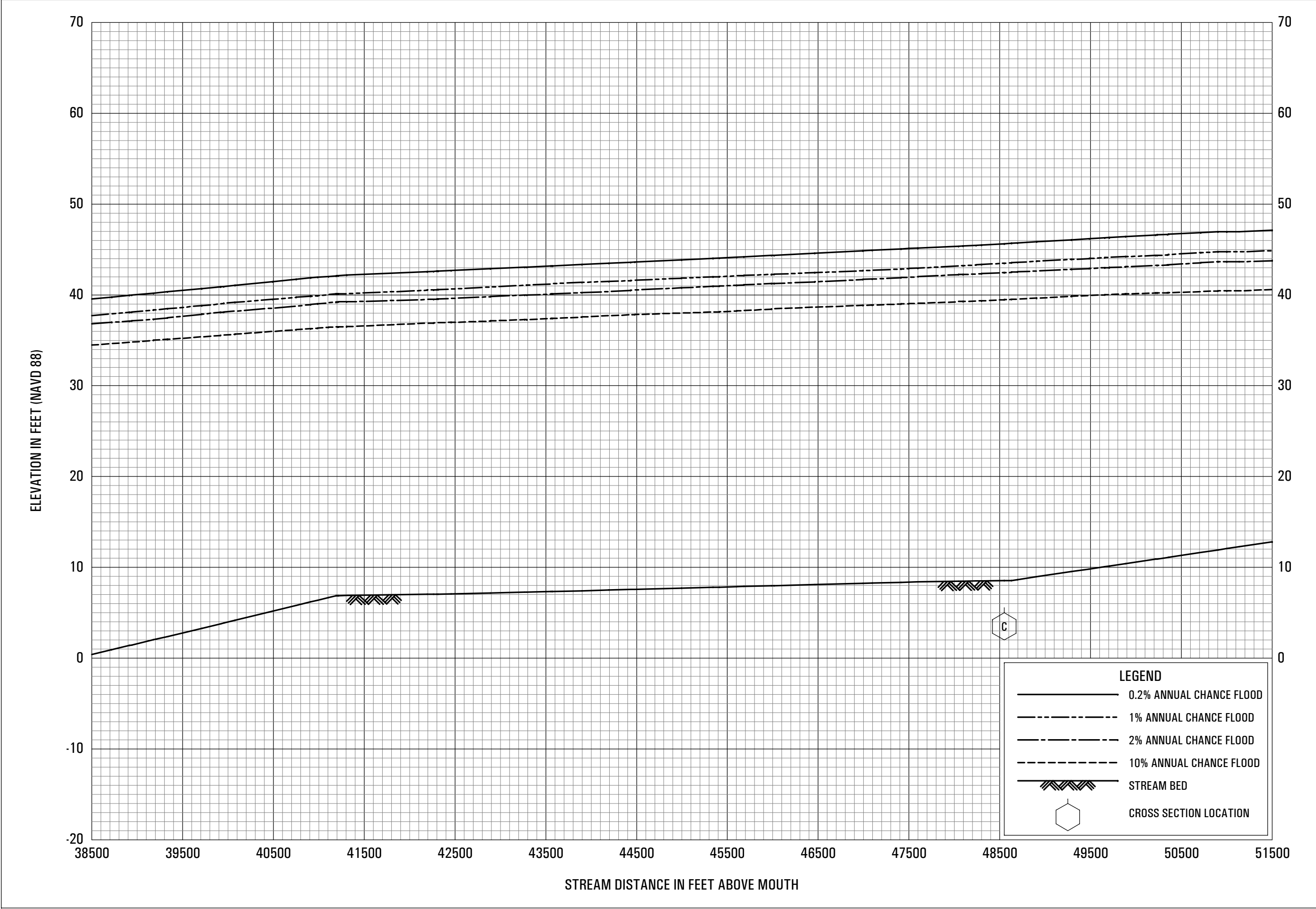
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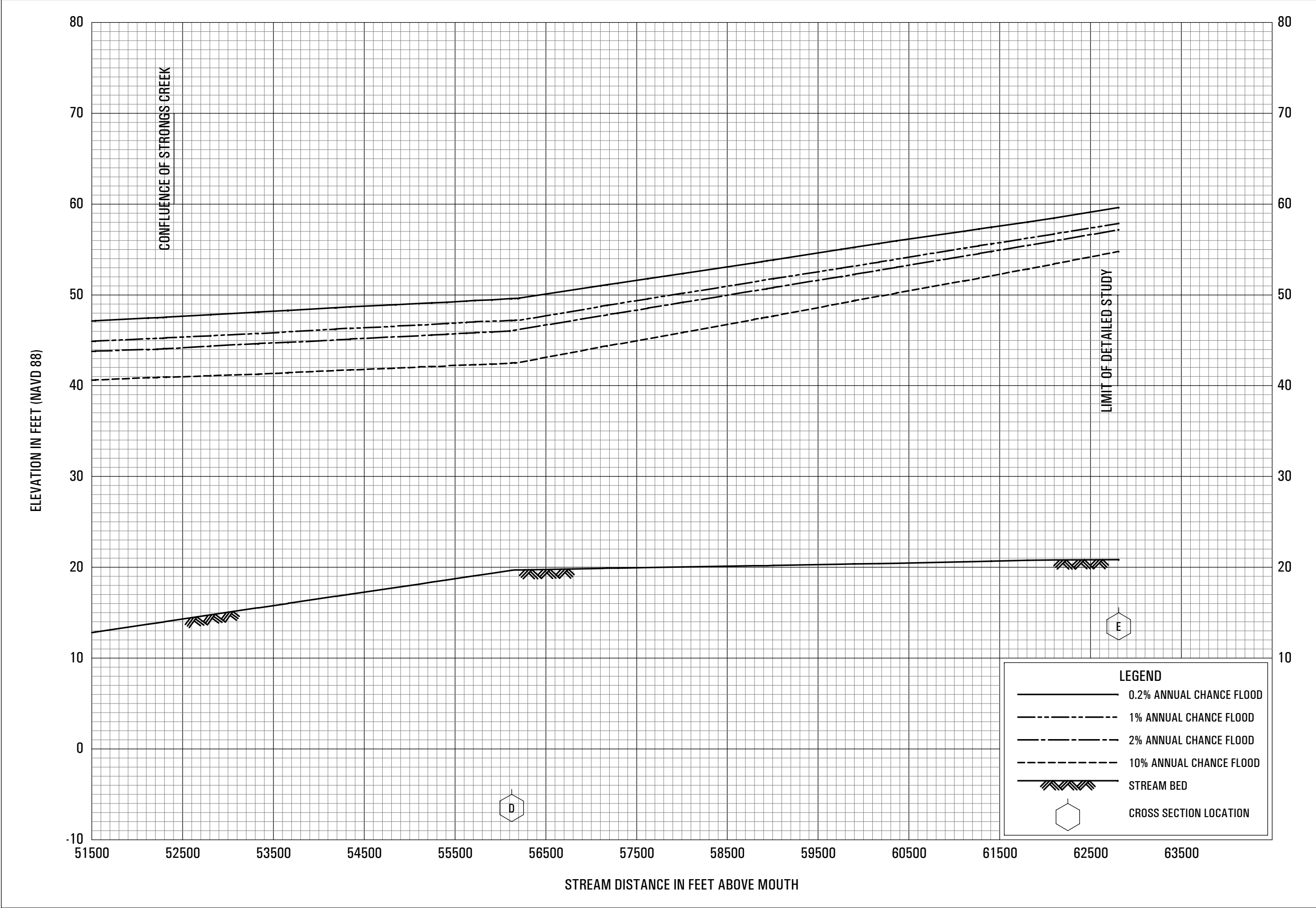
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U.S. DEPARTMENT OF HOMELAND SECURITY
MAP NUMBER
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June 21, 2017

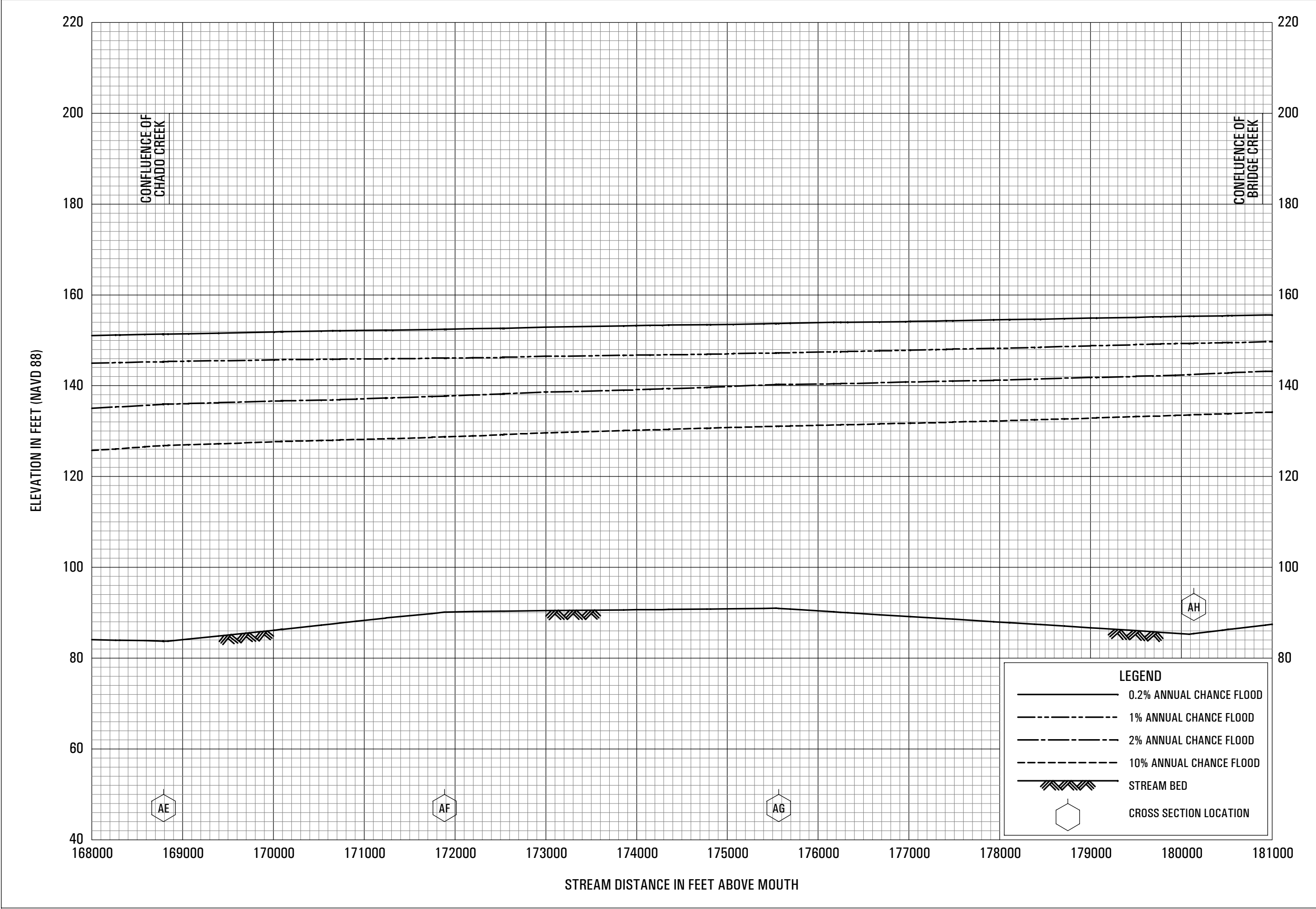


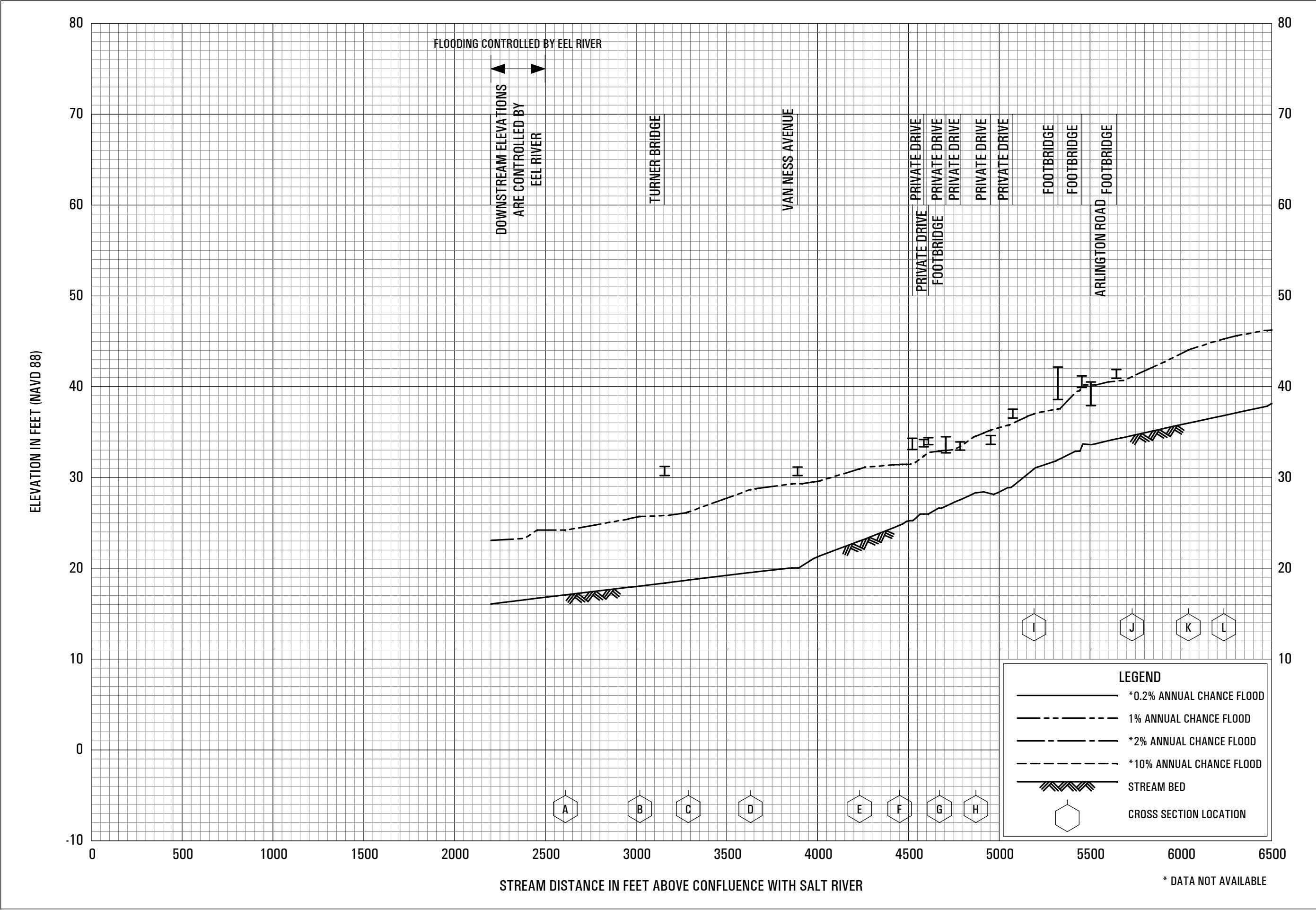


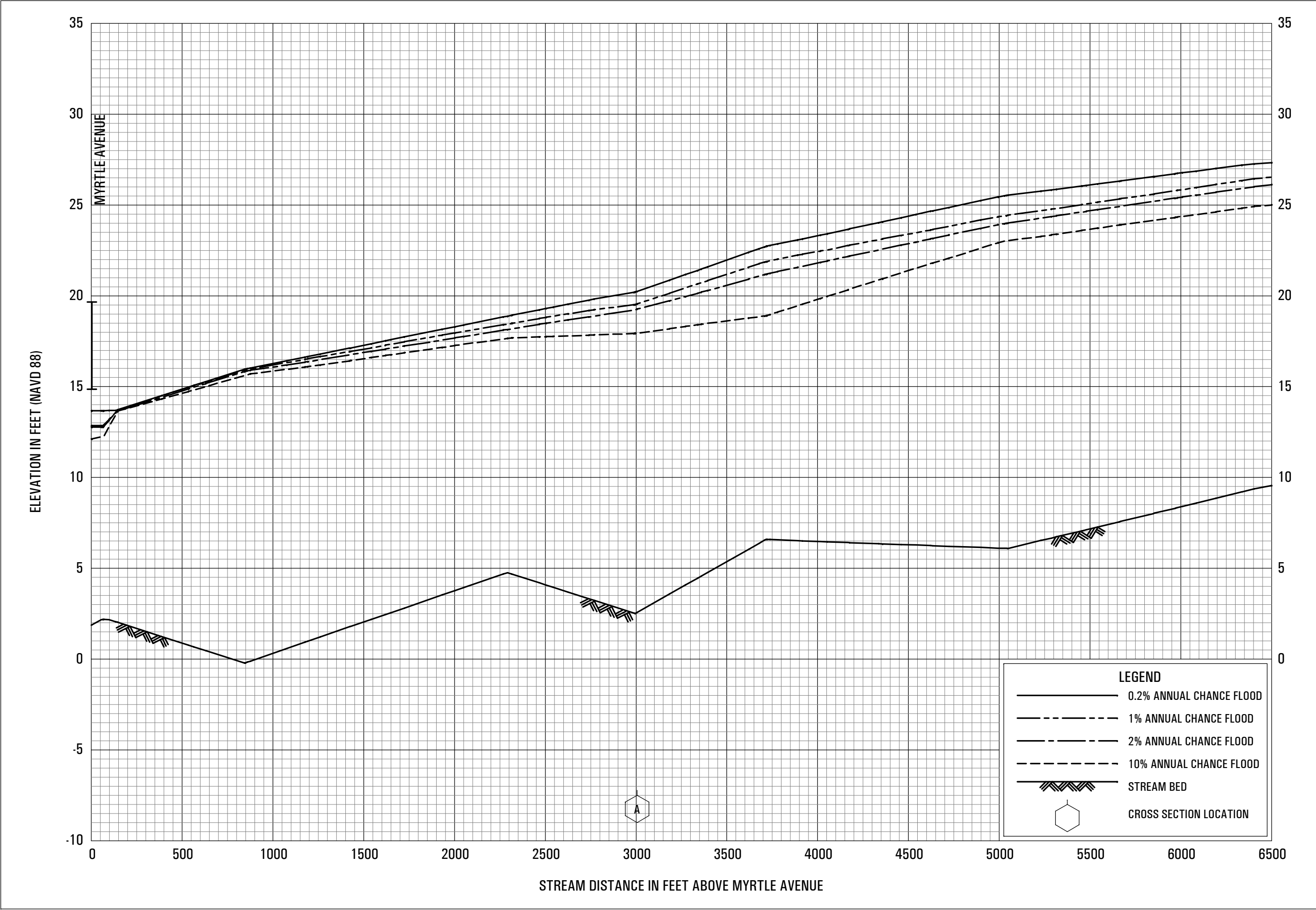


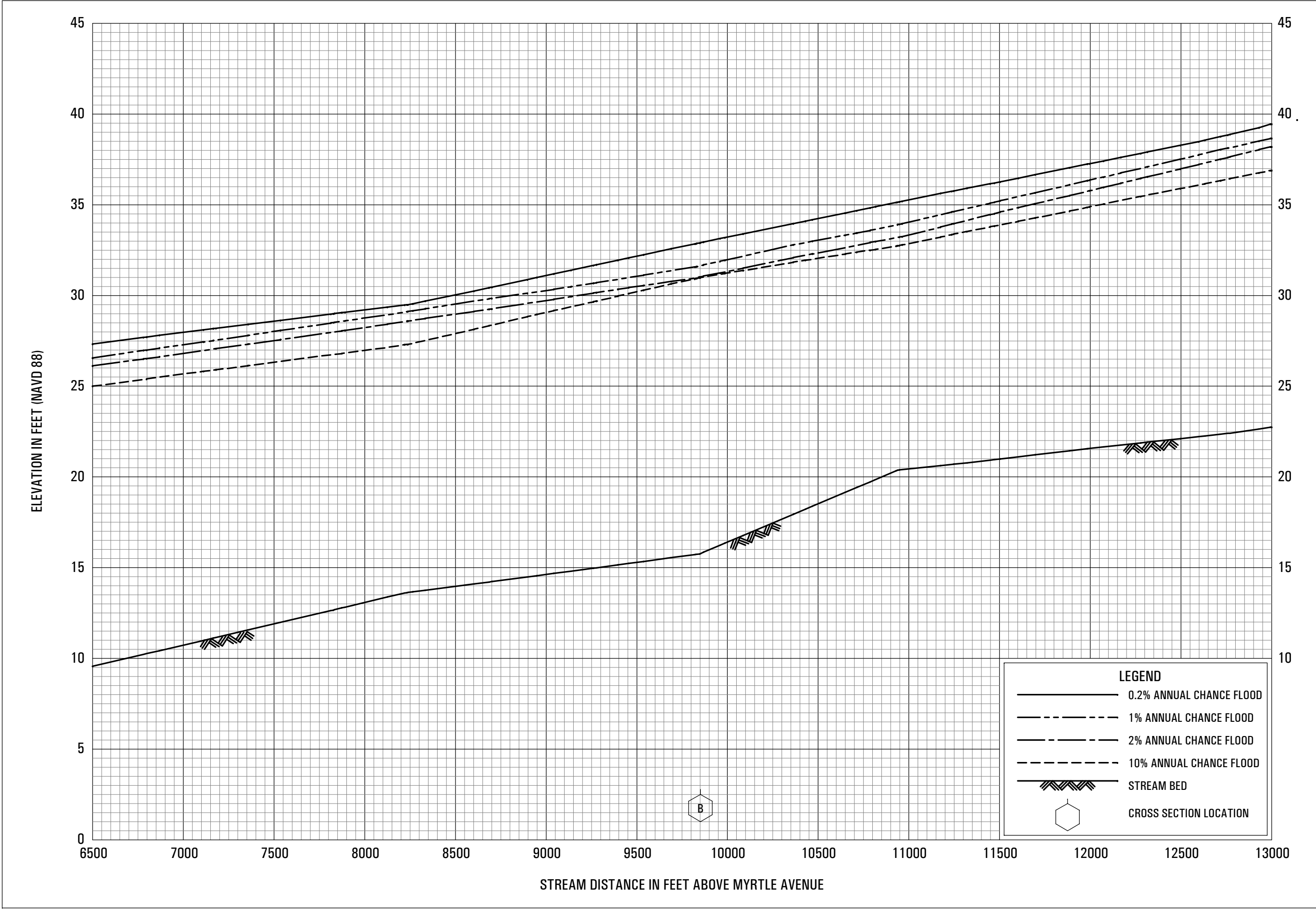


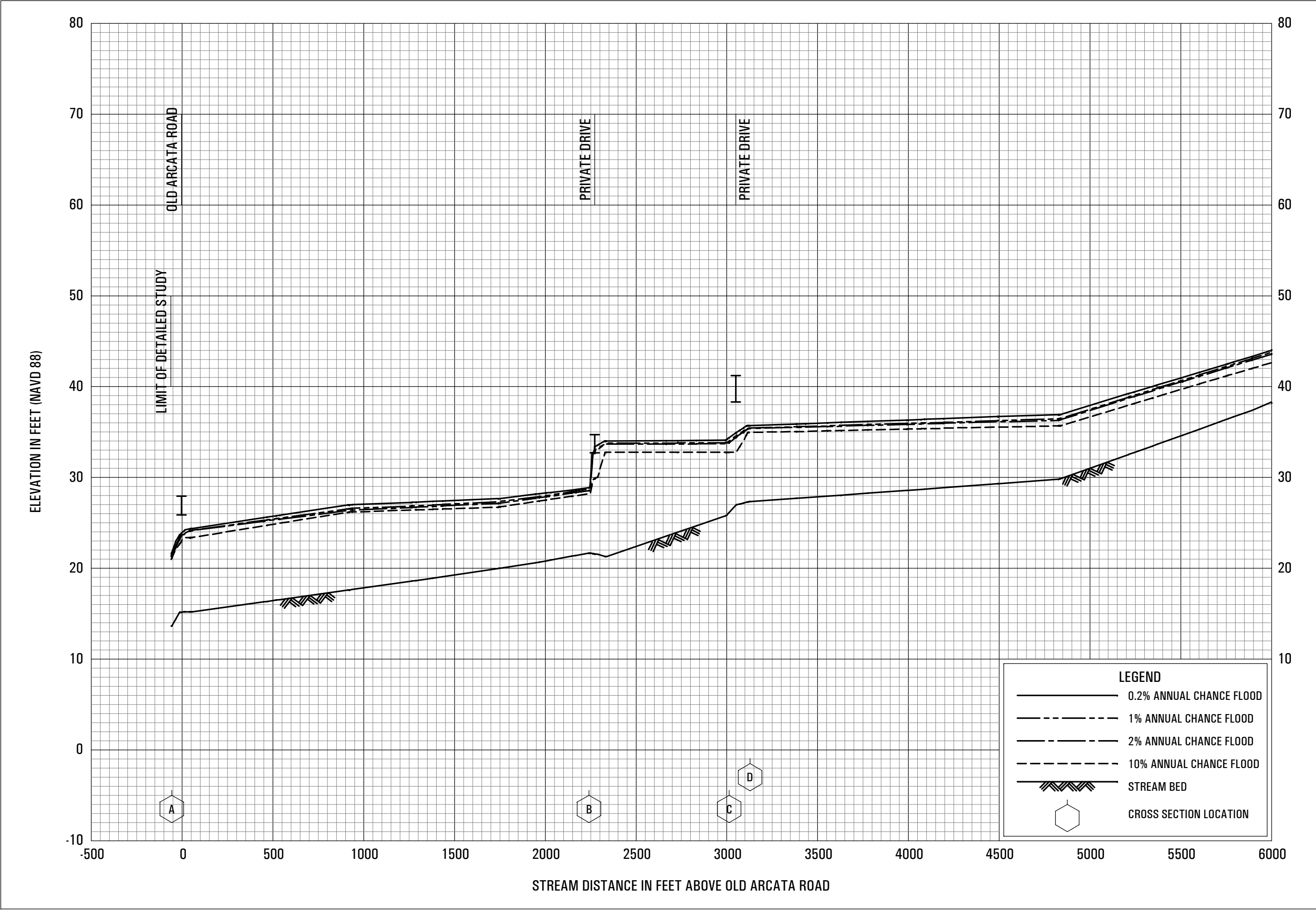


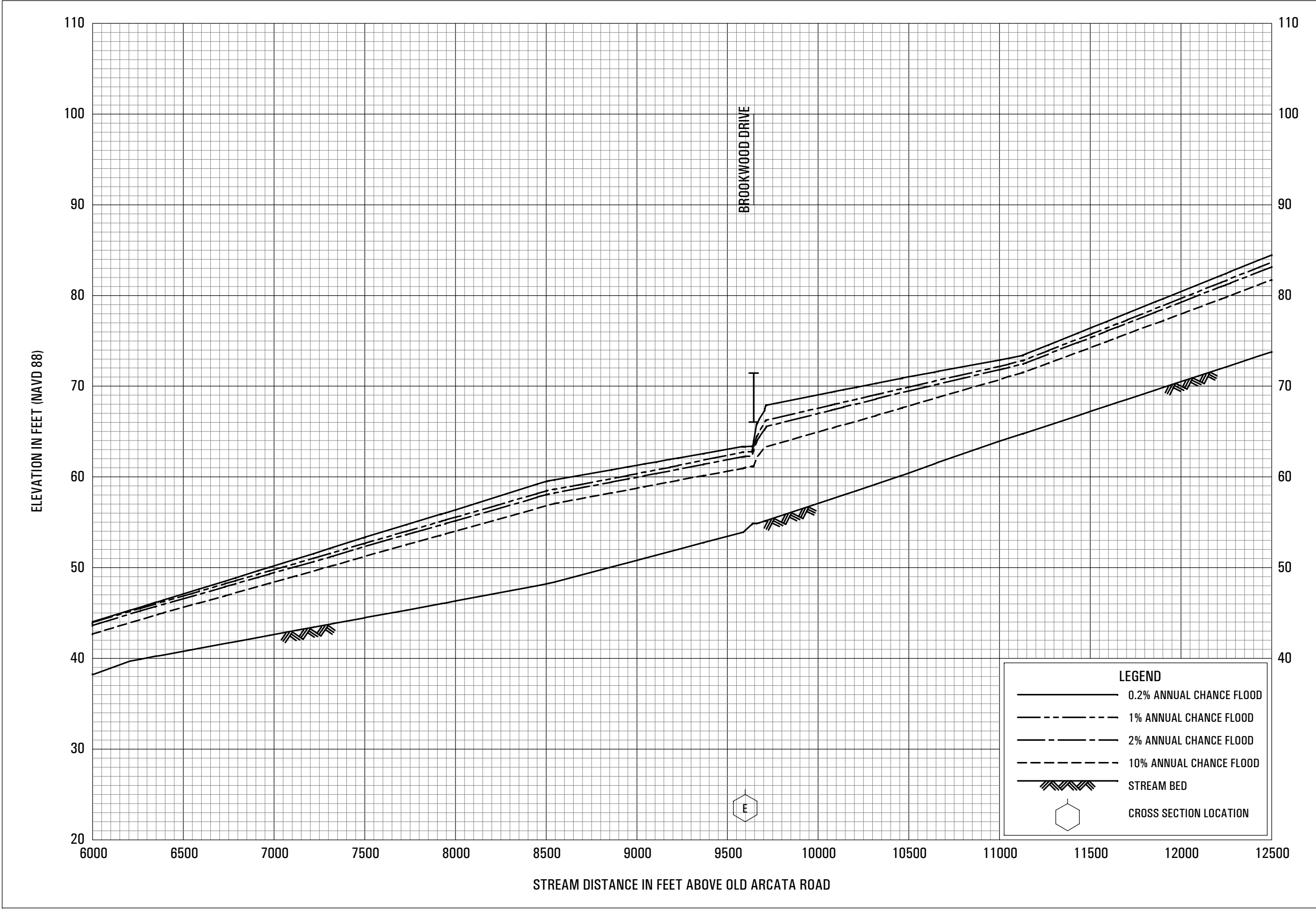


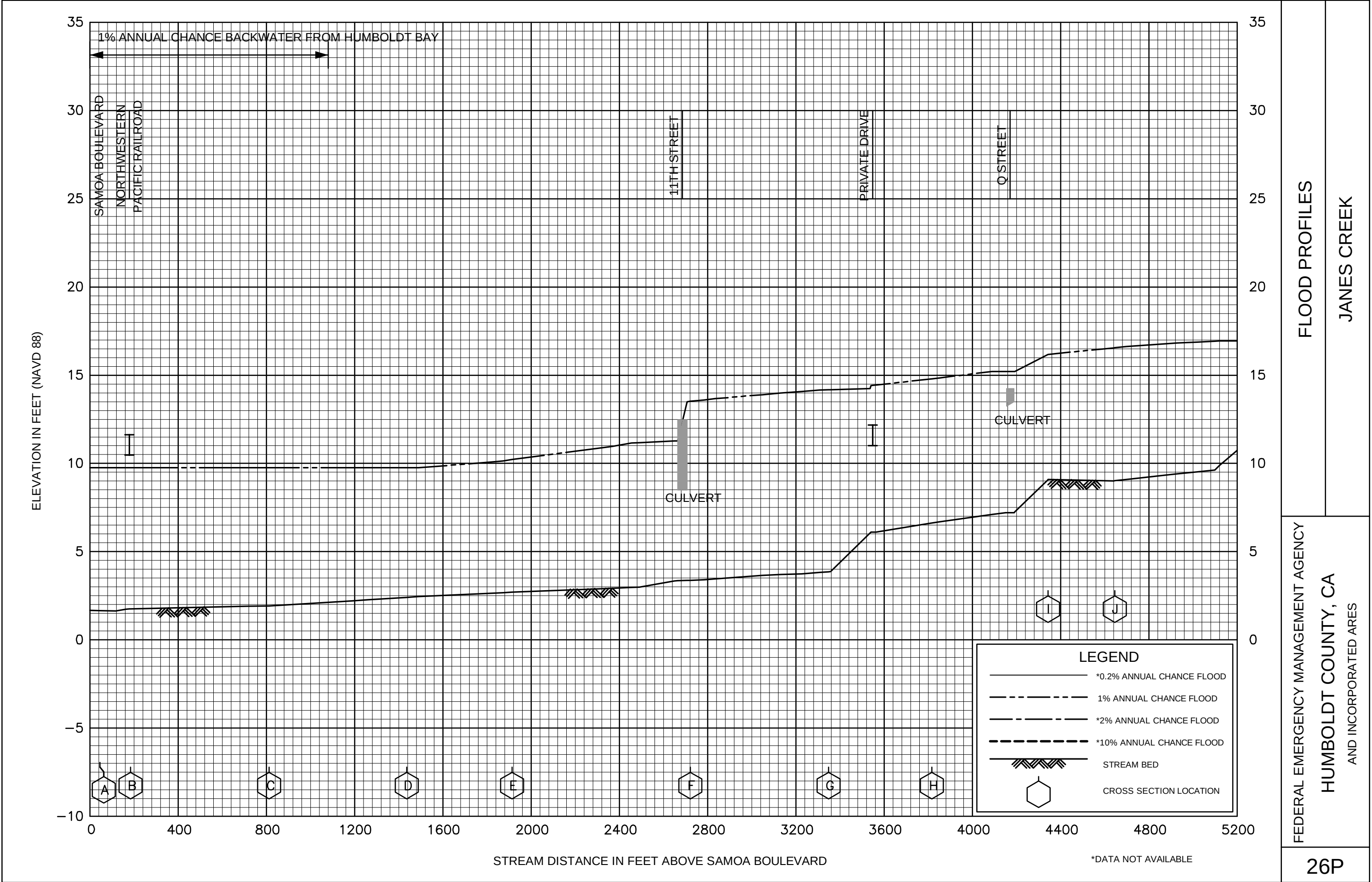












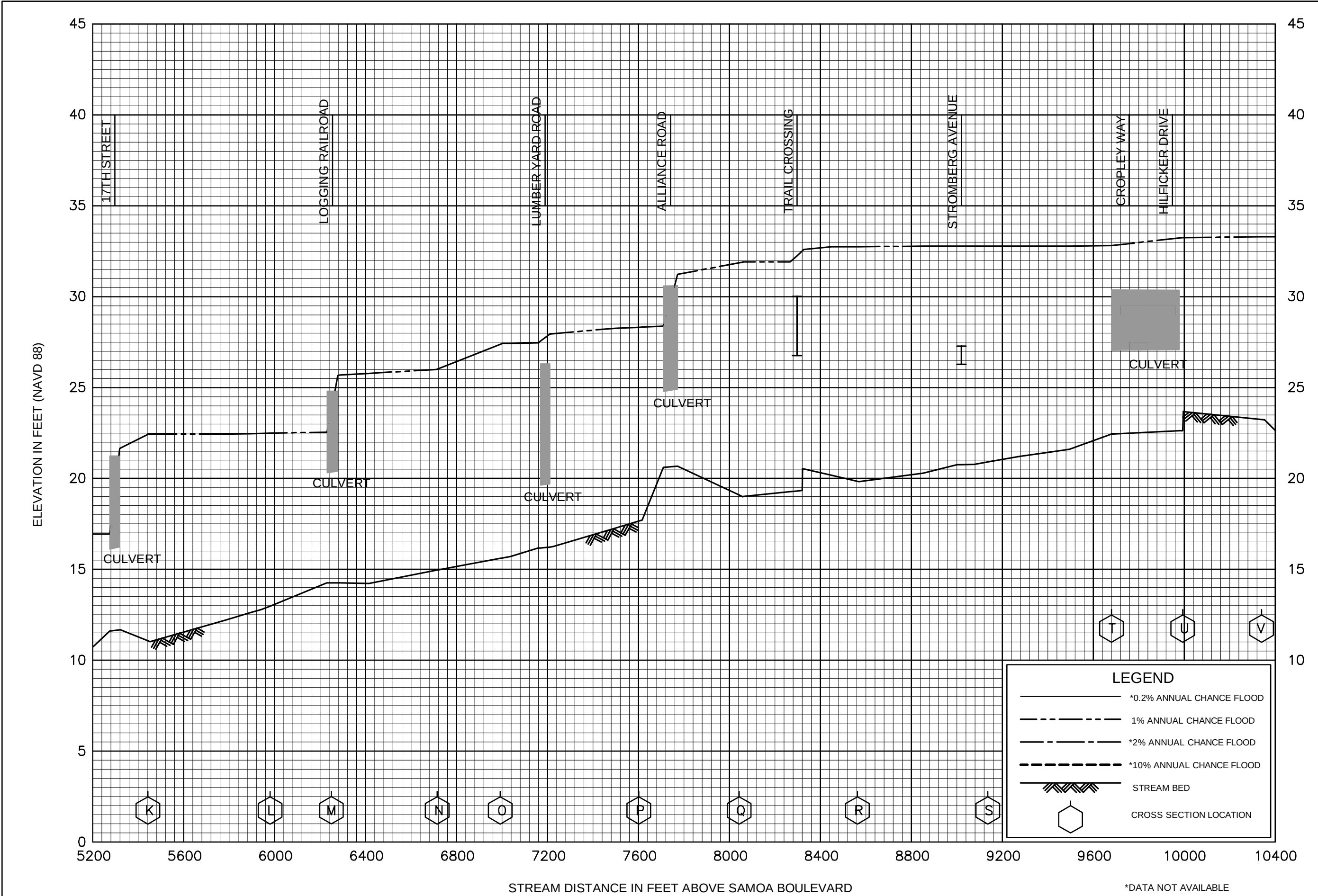
FLOOD PROFILES

JANES CREEK

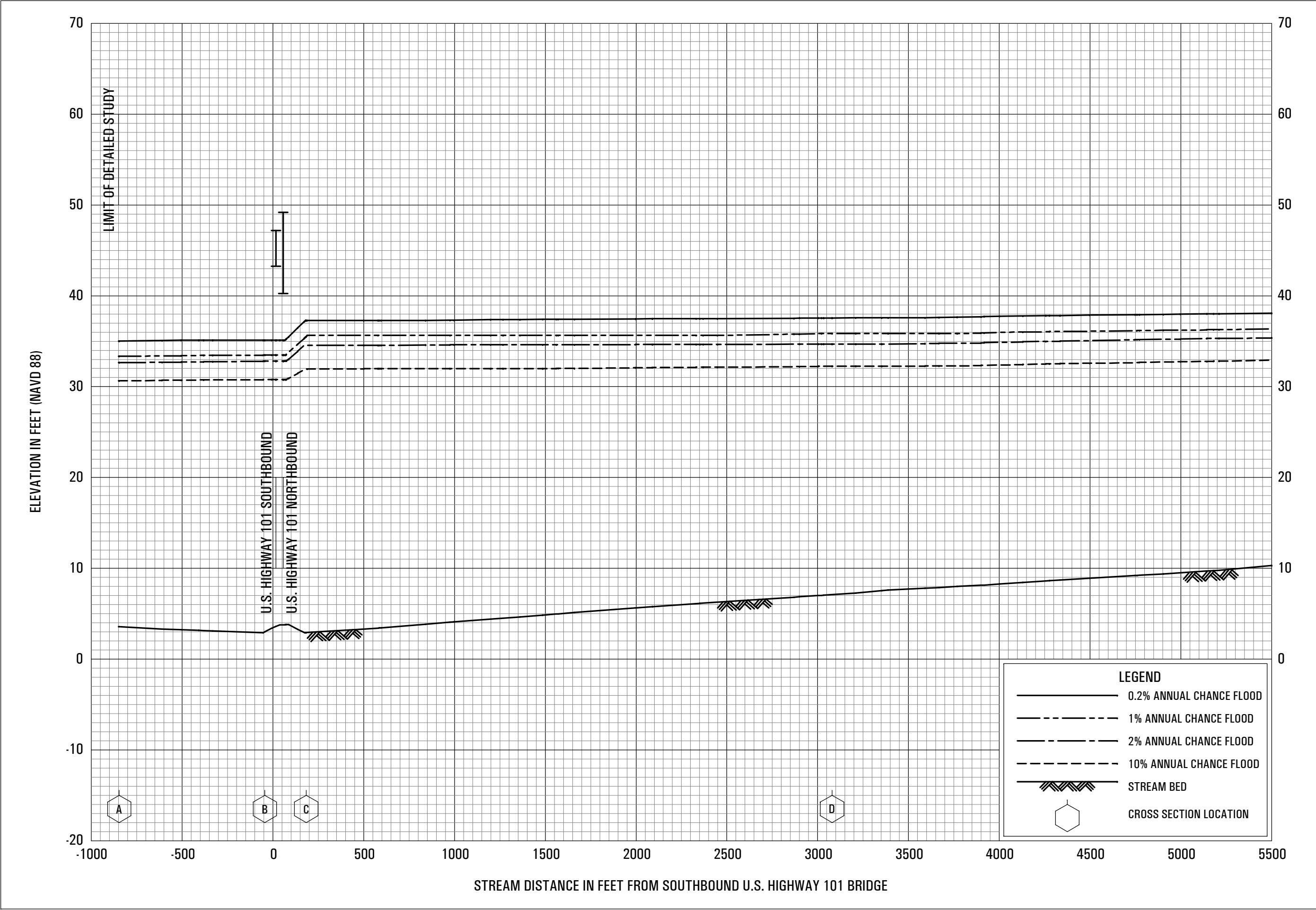
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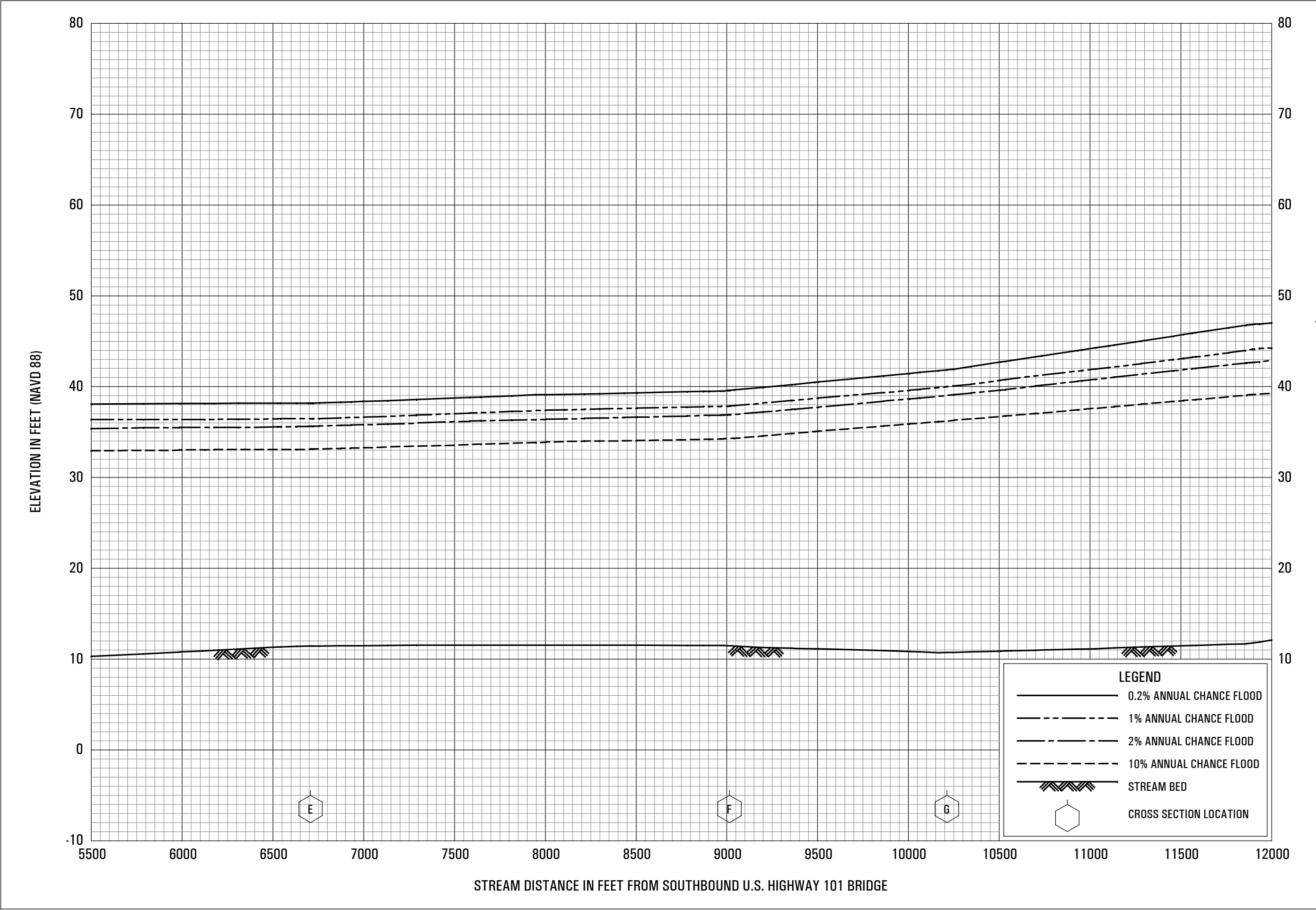
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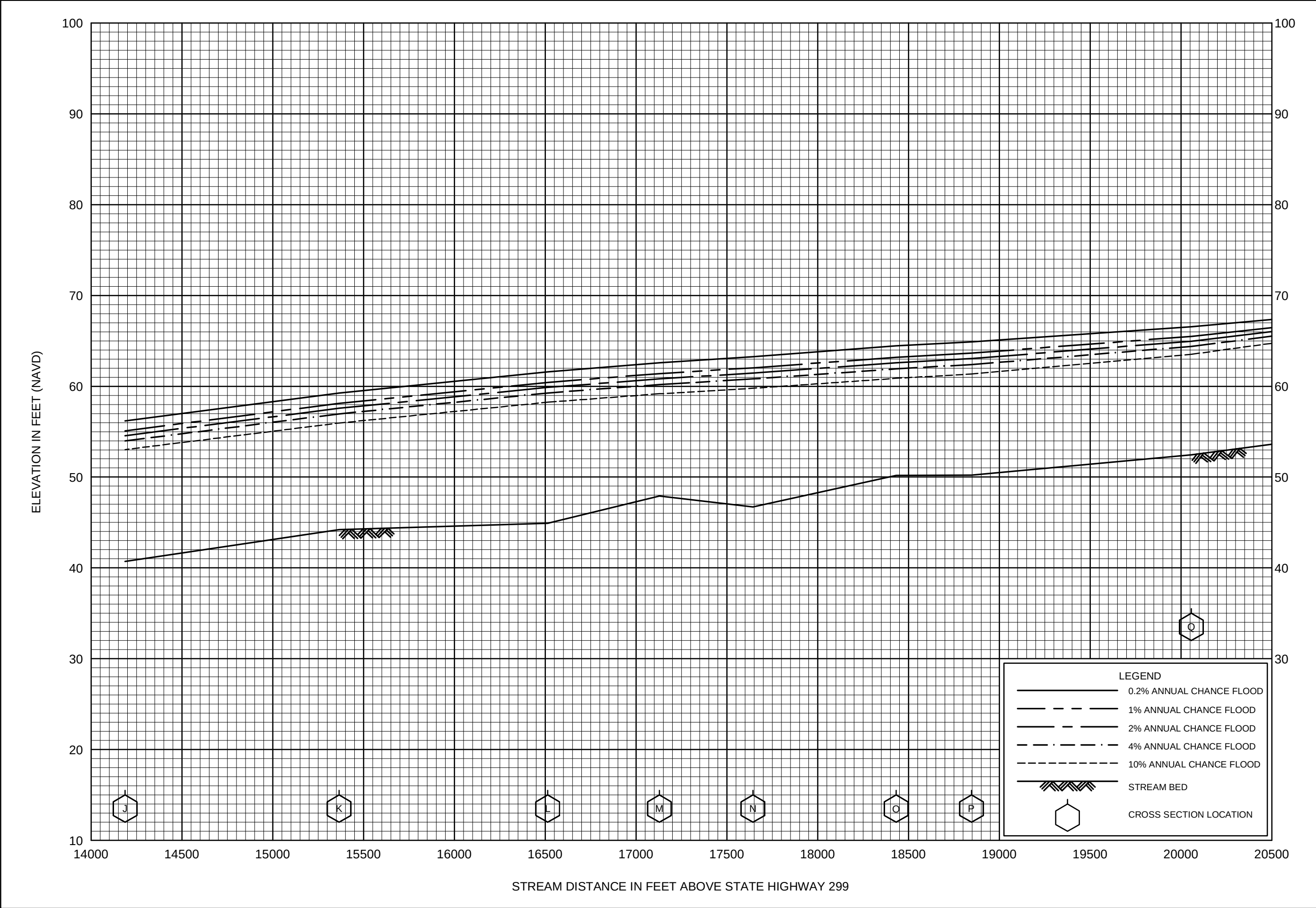
AND INCORPORATED AREAS



*DATA NOT AVAILABLE





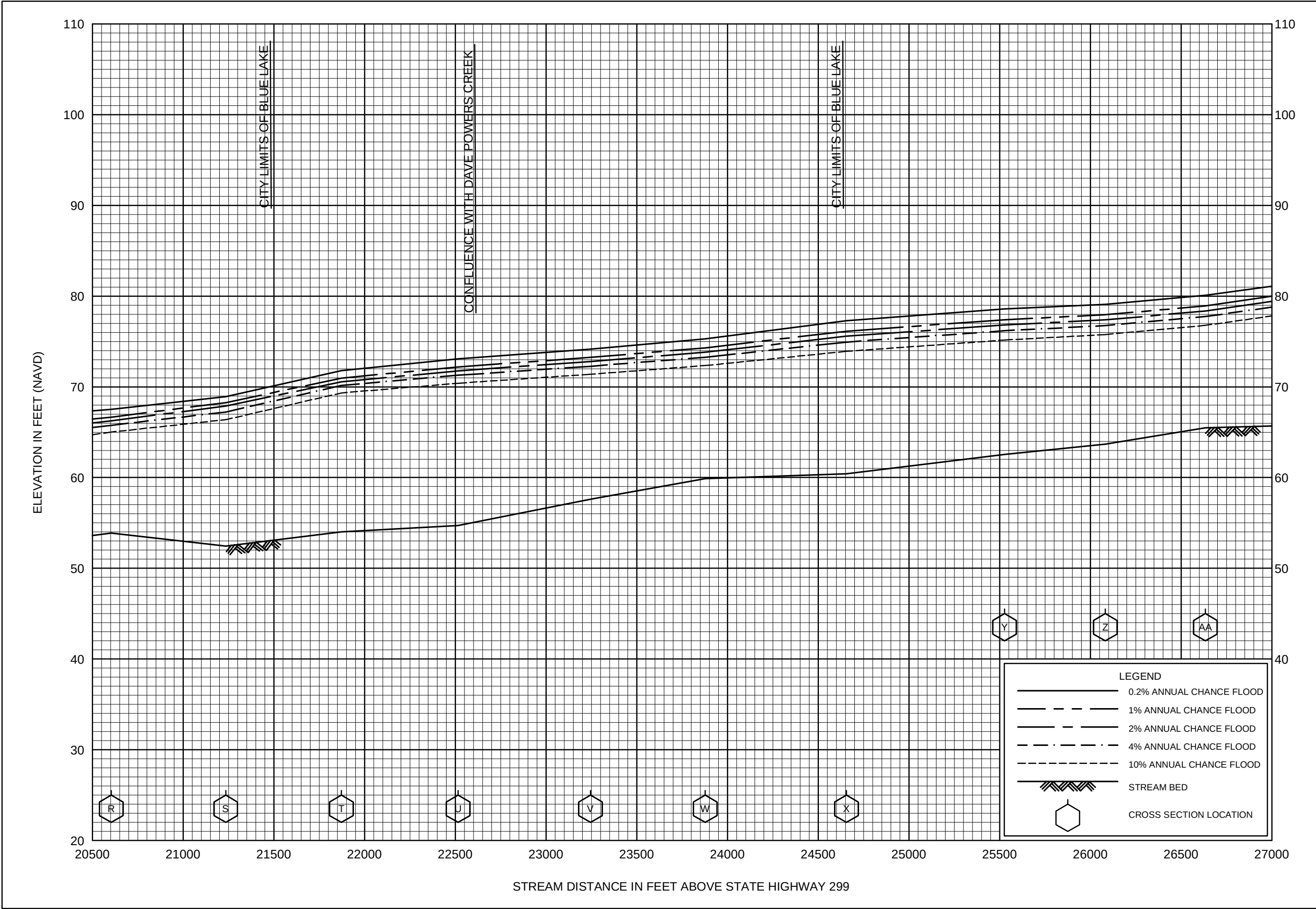


FLOOD PROFILES

MAD RIVER AT BLUE LAKE

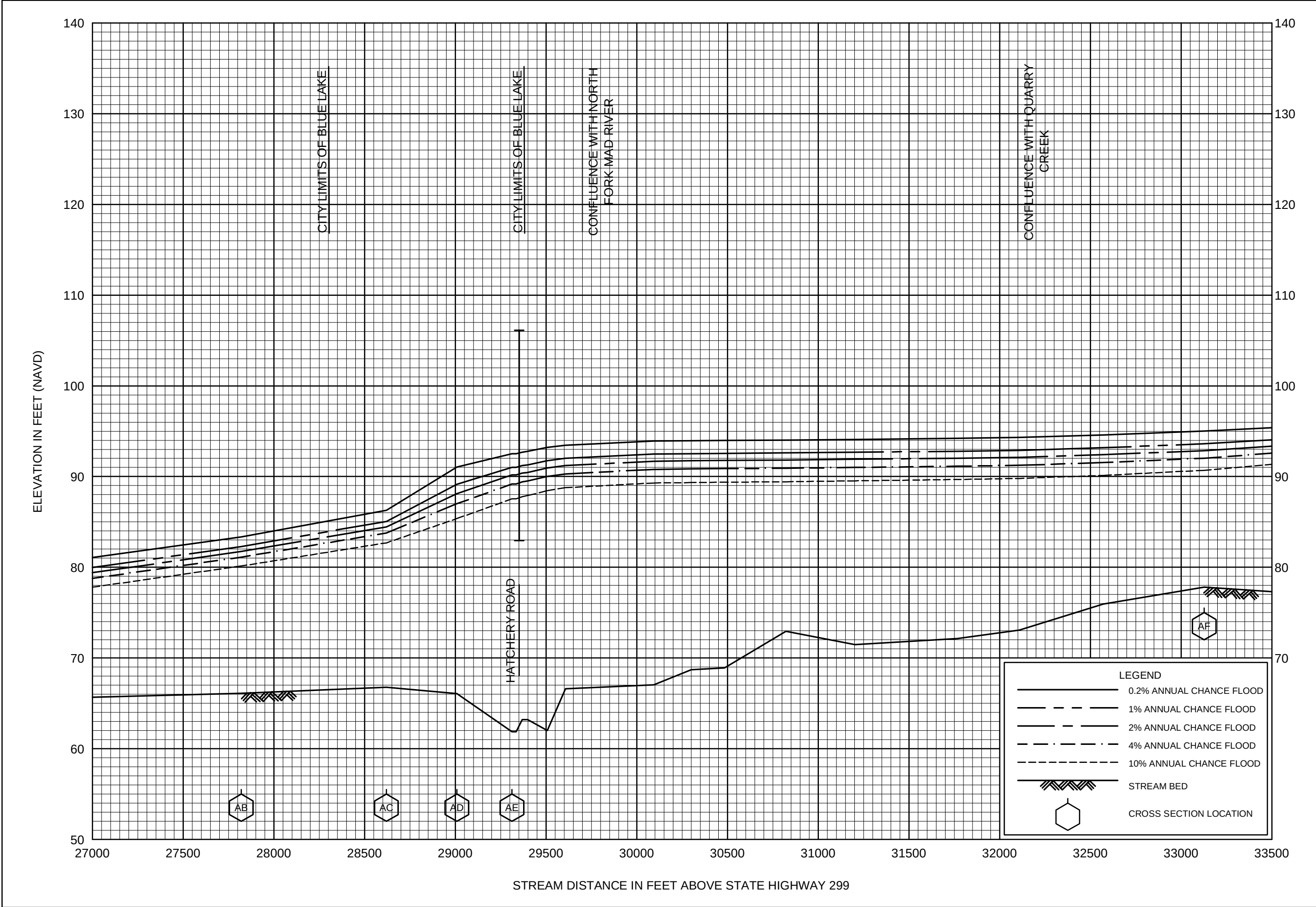
FEDERAL EMERGENCY MANAGEMENT AGENCY

HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES
MAD RIVER AT BLUE LAKE

FEDERAL EMERGENCY MANAGEMENT AGENCY
HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS

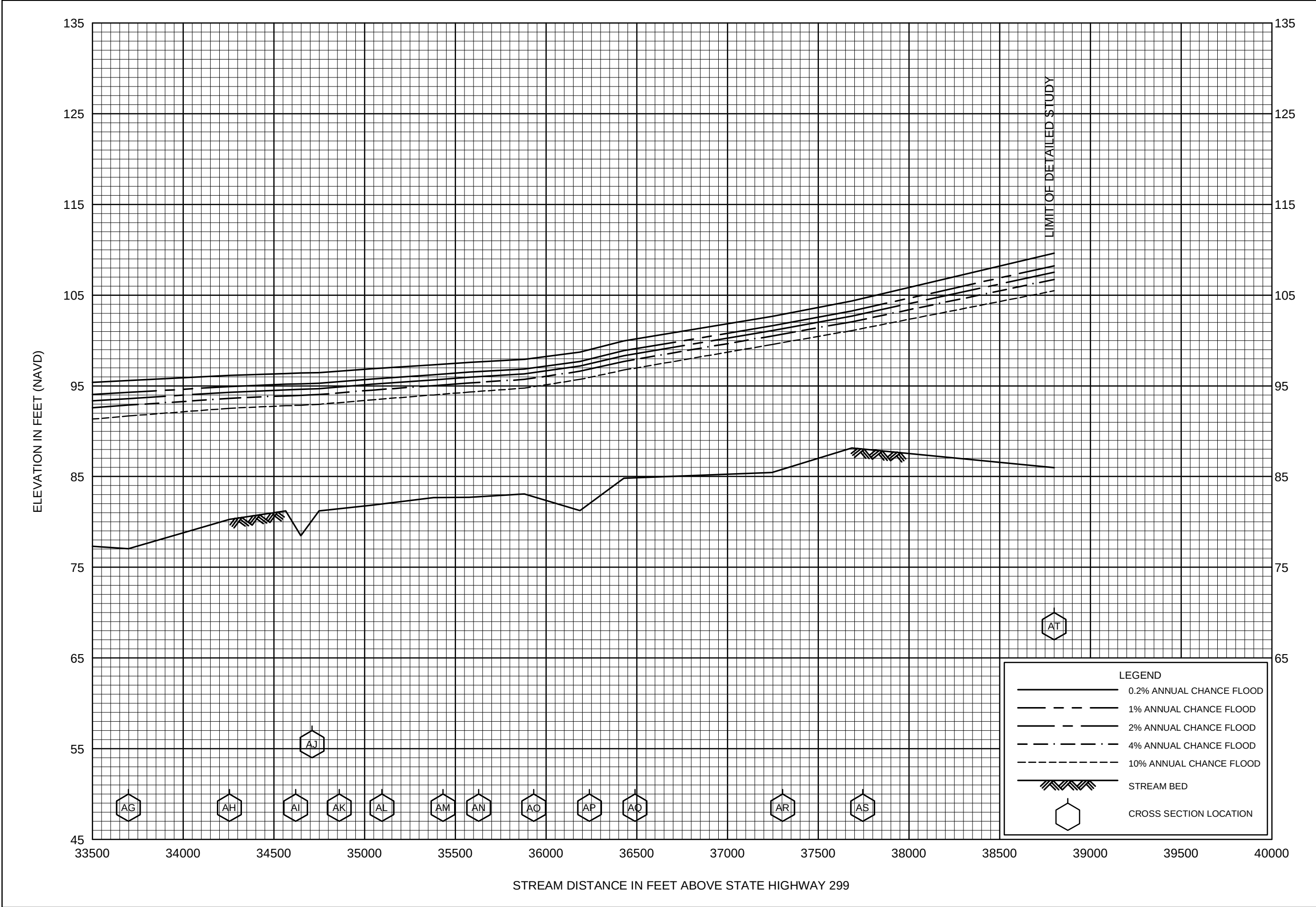


FLOOD PROFILES

MAD RIVER AT BLUE LAKE

FEDERAL EMERGENCY MANAGEMENT AGENCY

HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS

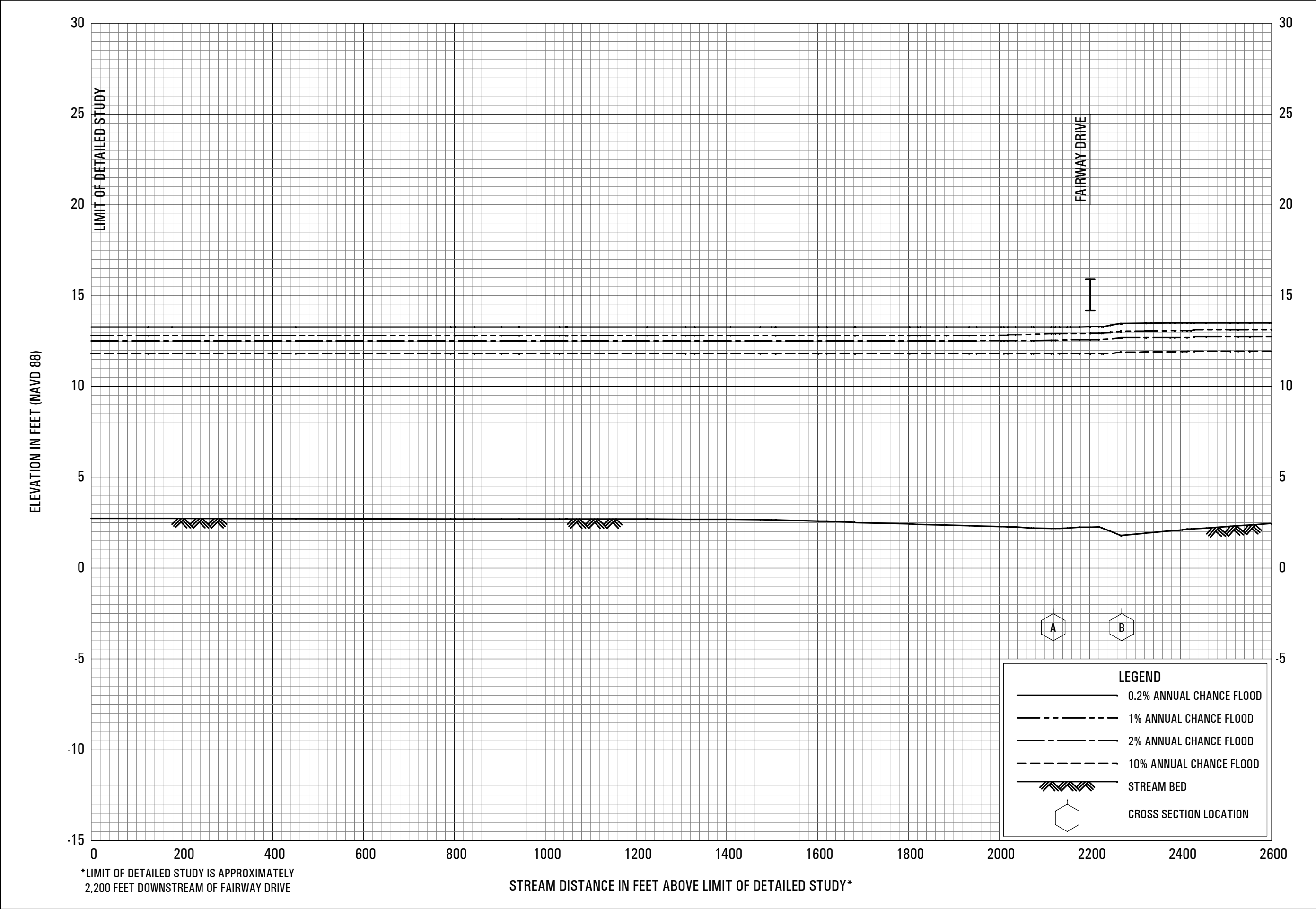


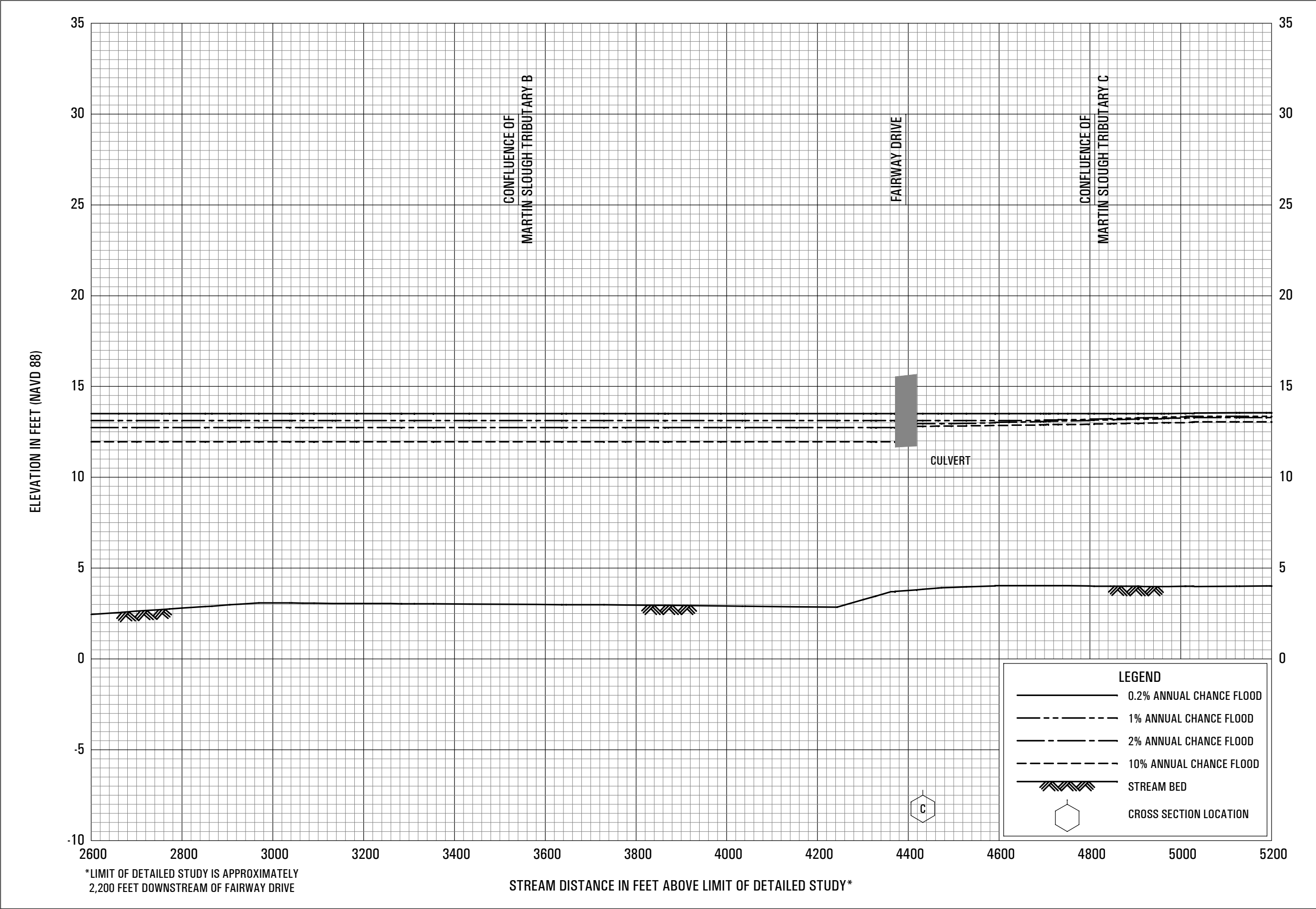
FLOOD PROFILES

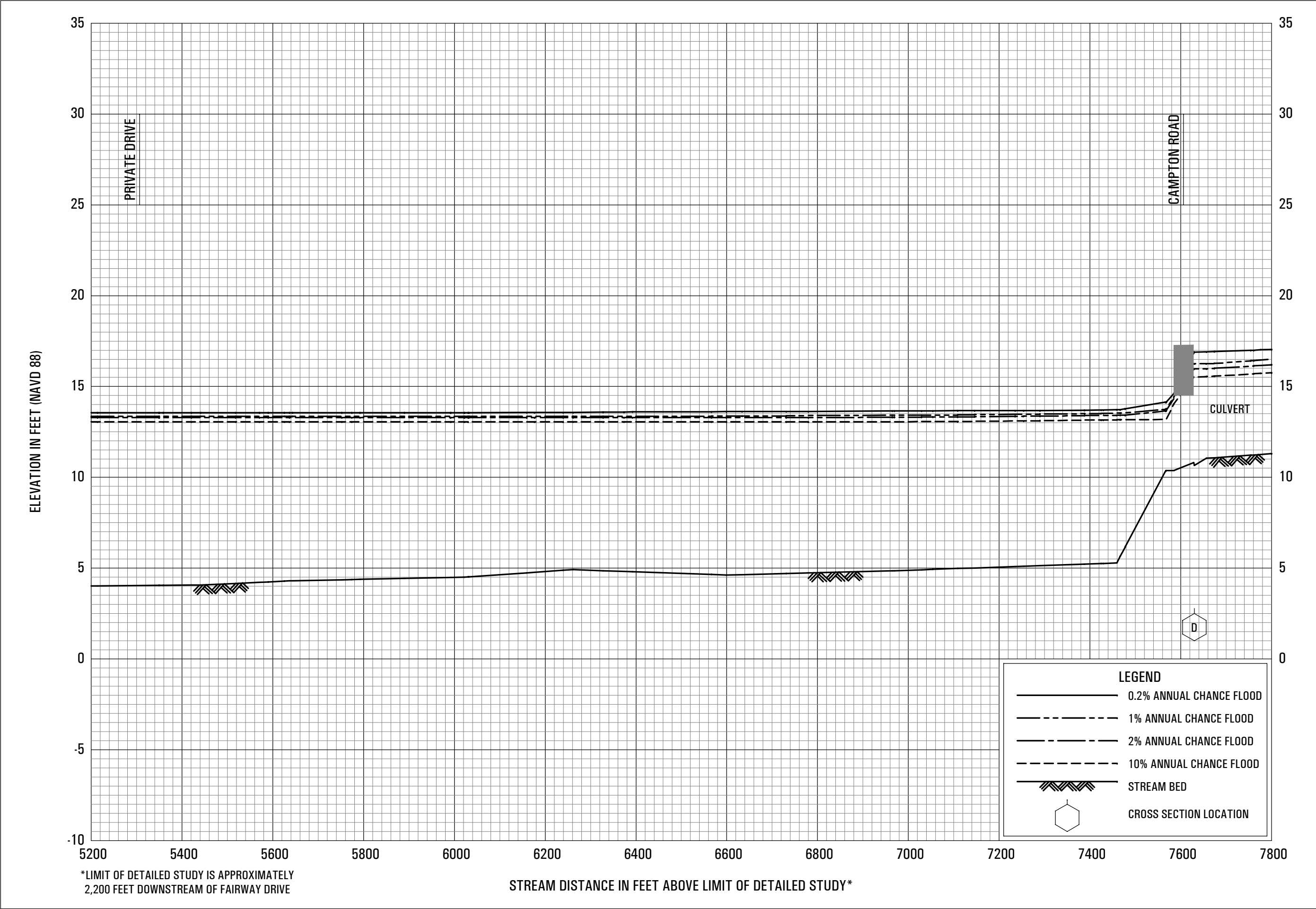
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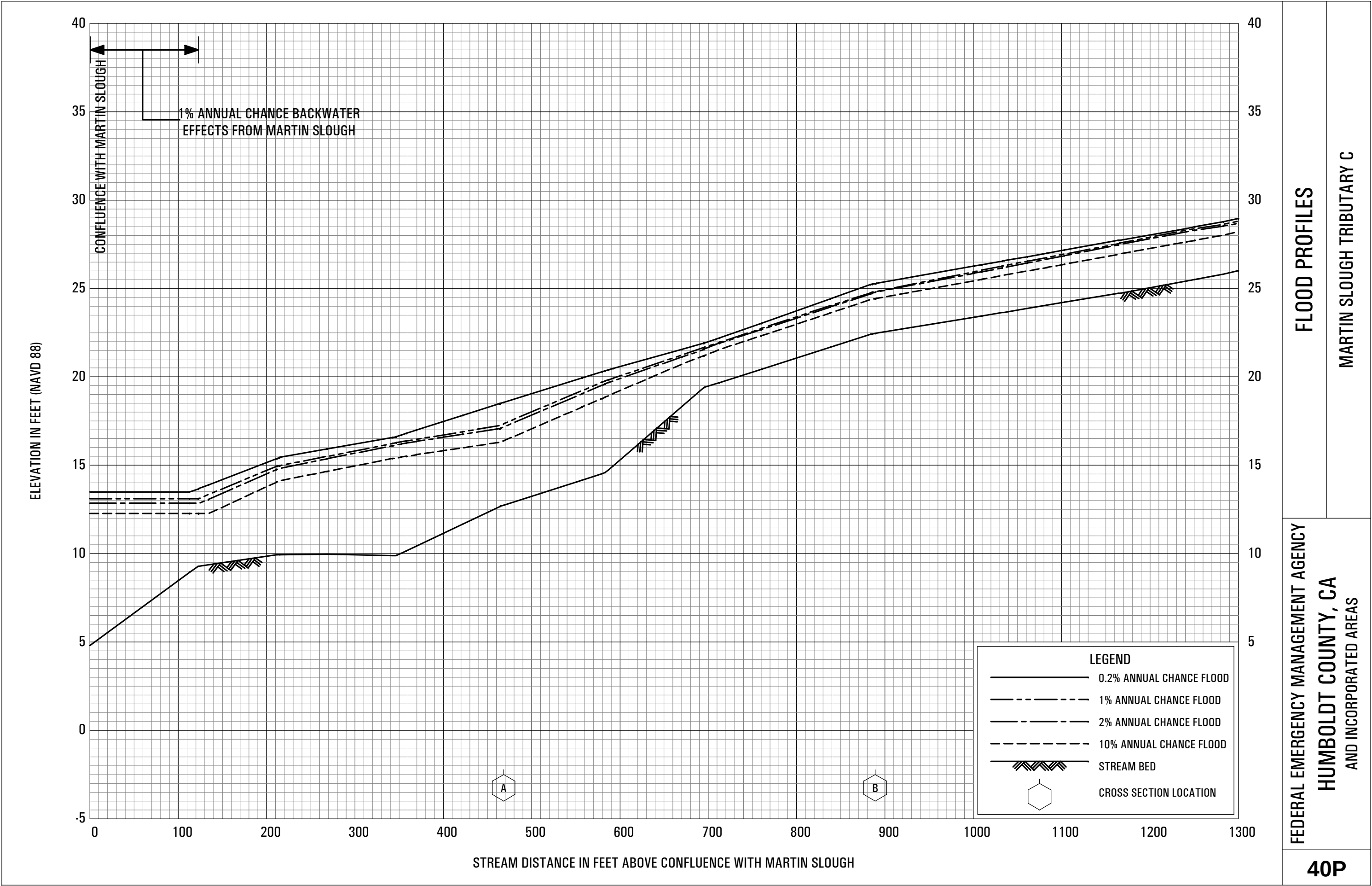
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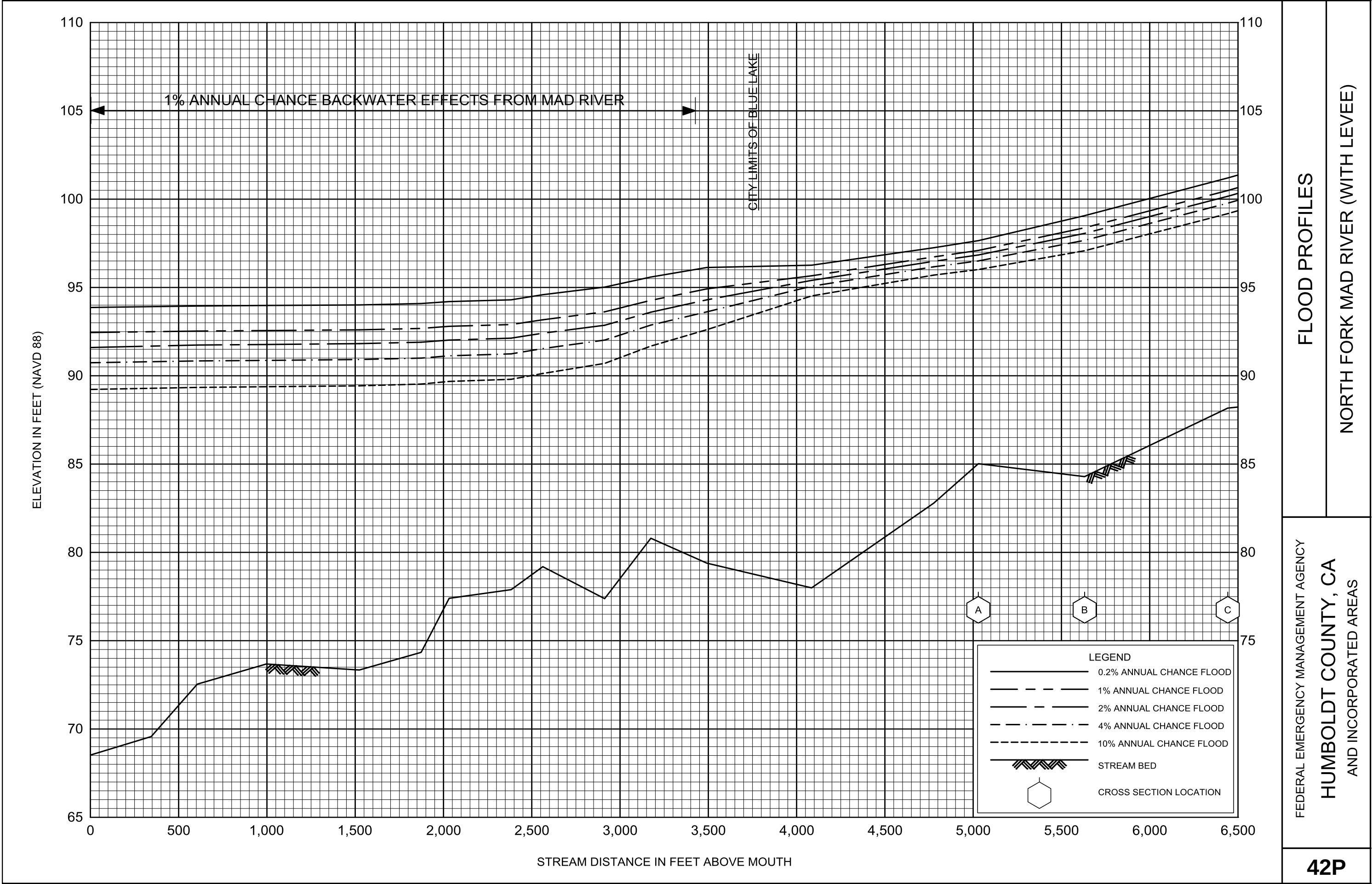
HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS

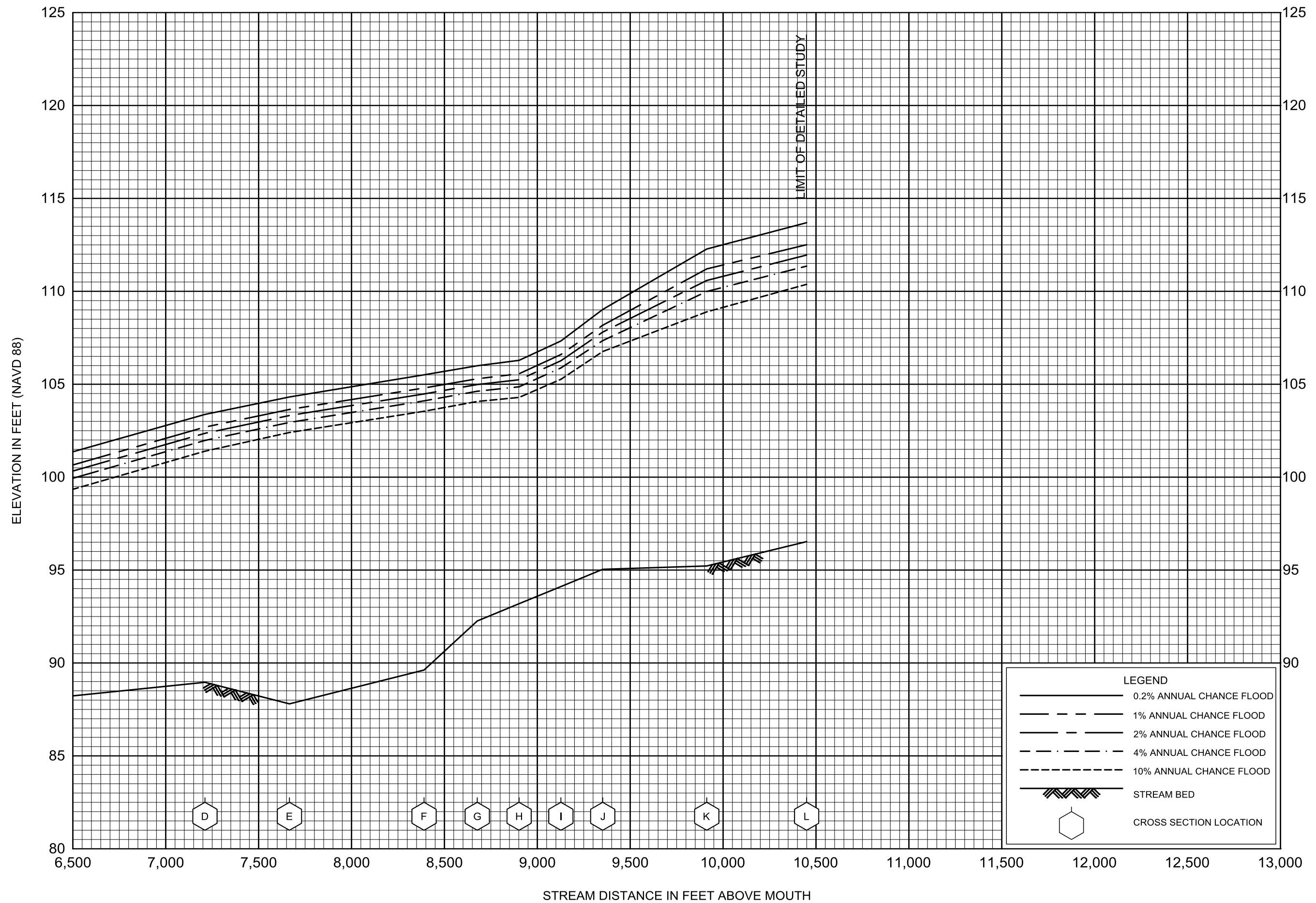












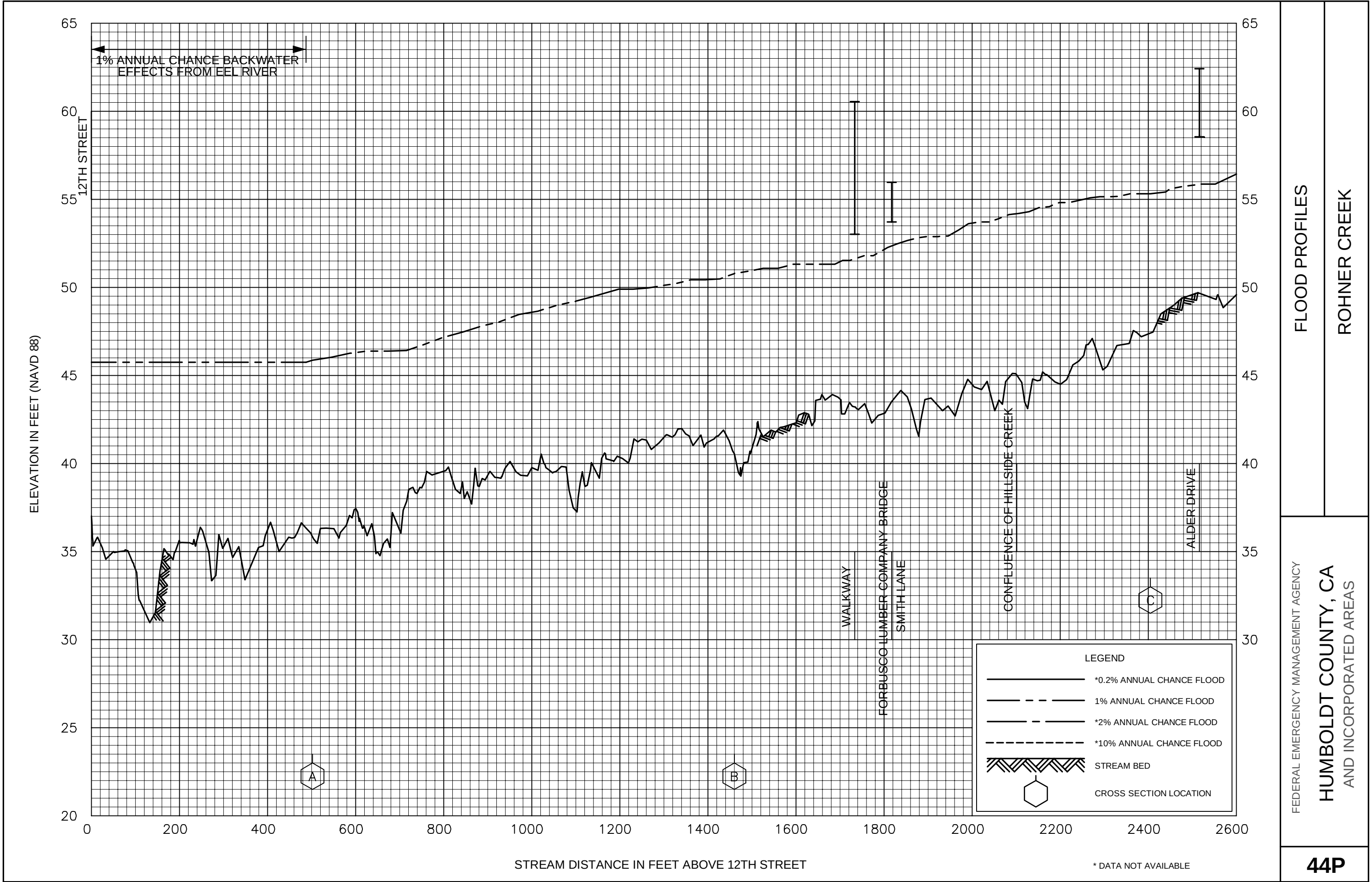
FLOOD PROFILES

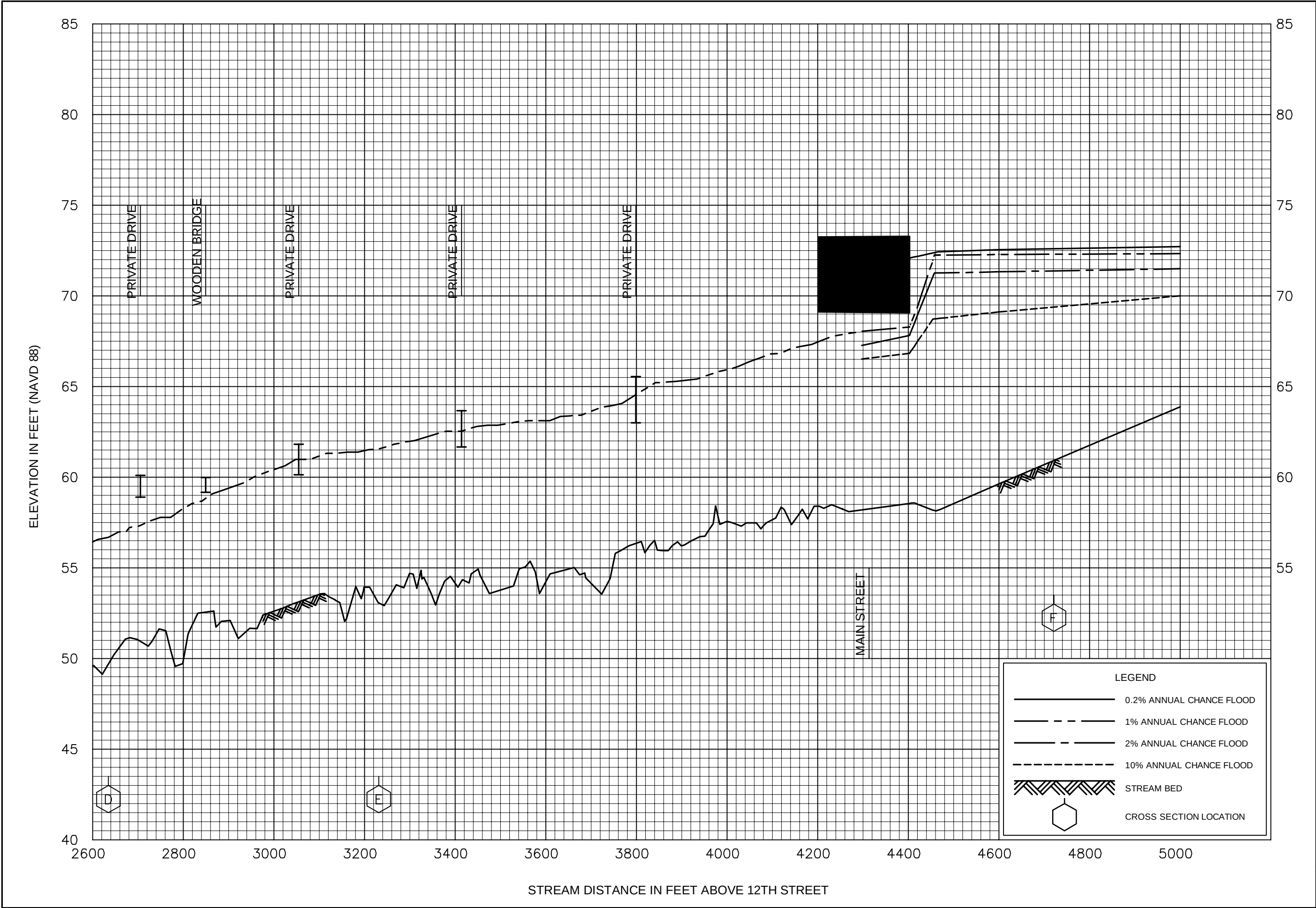
NORTH FORK MAD RIVER (WITH LEVEE)

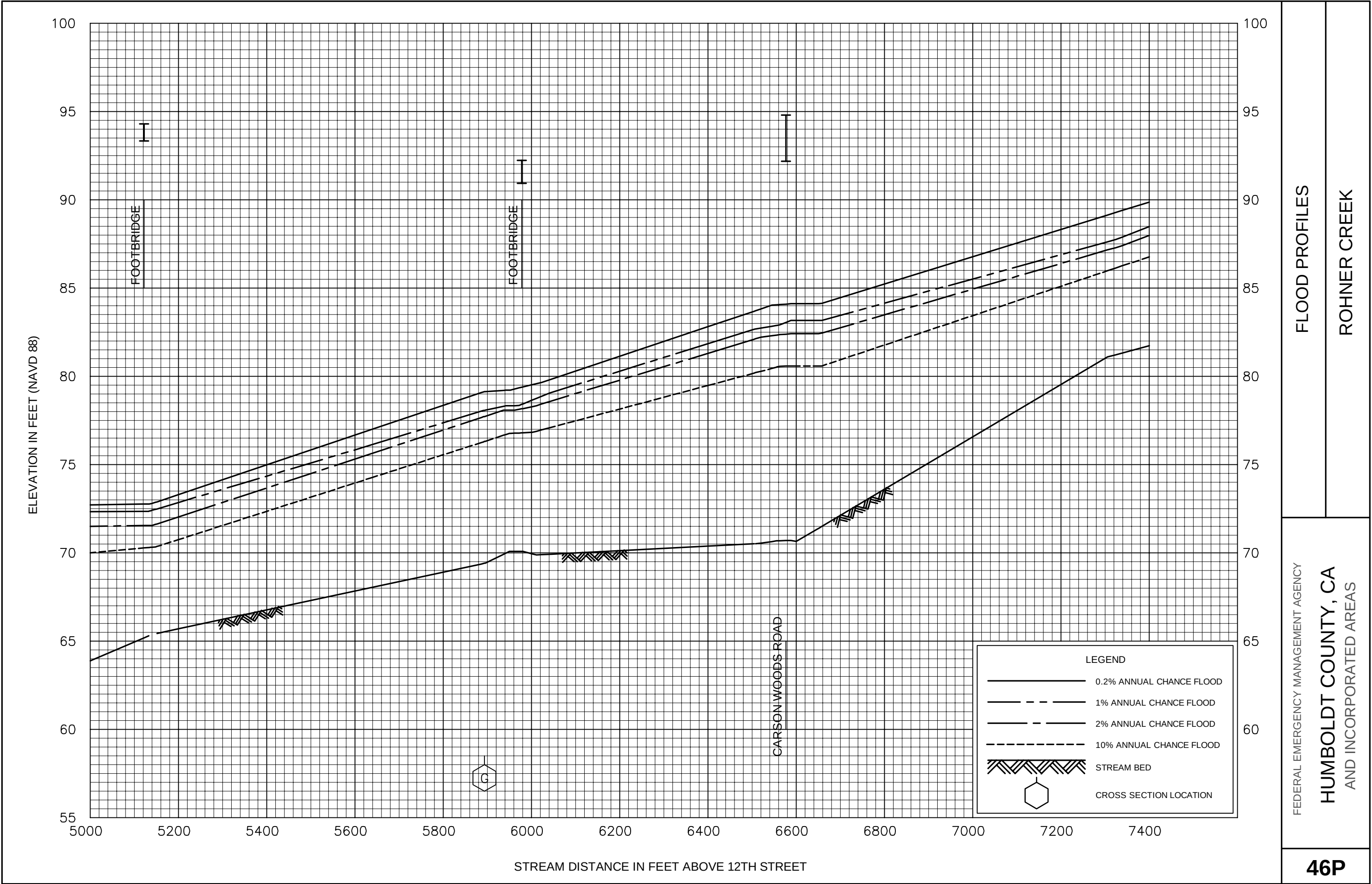
FEDERAL EMERGENCY MANAGEMENT AGENCY

HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS

43P





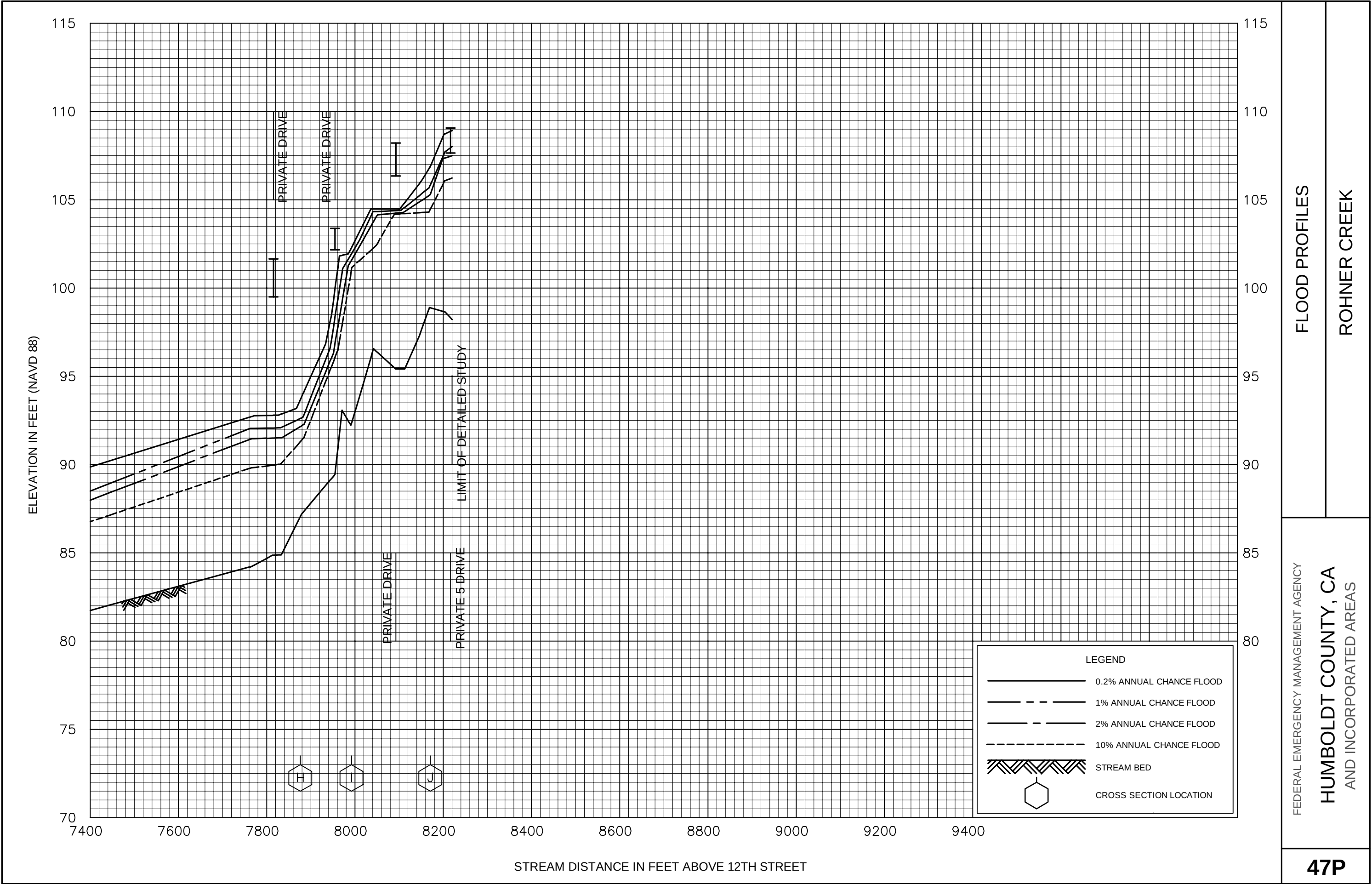


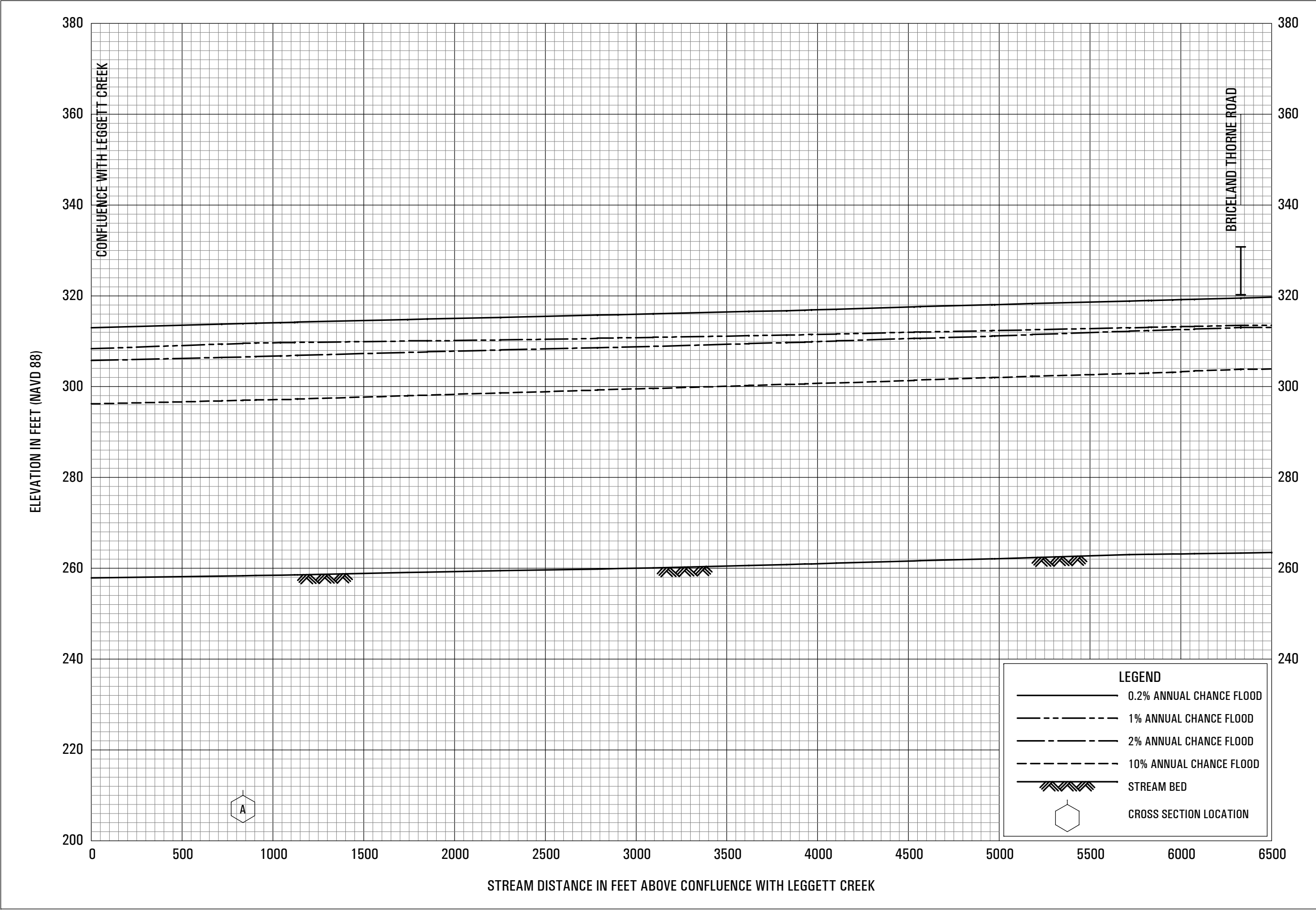
FLOOD PROFILES

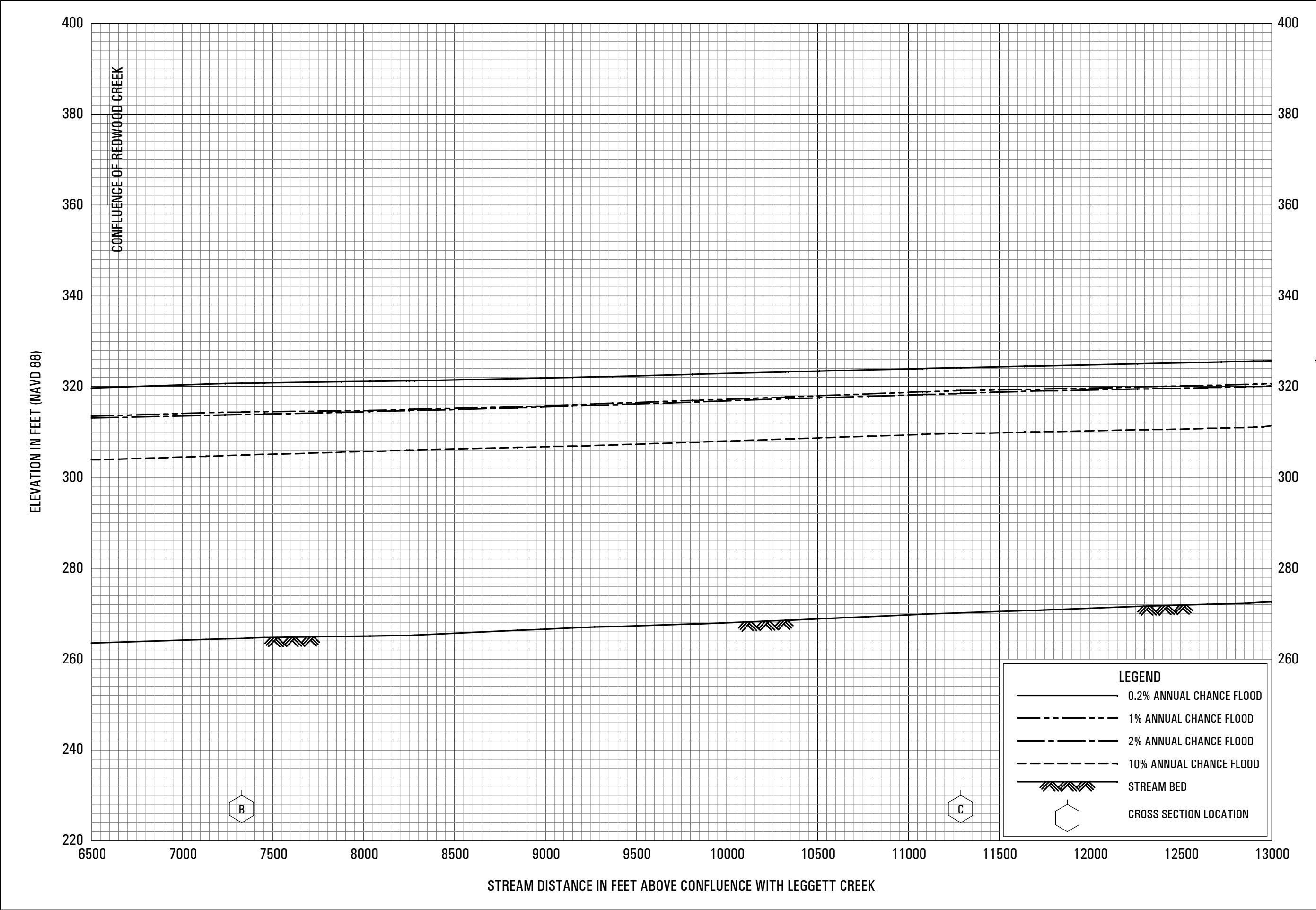
ROHNER CREEK

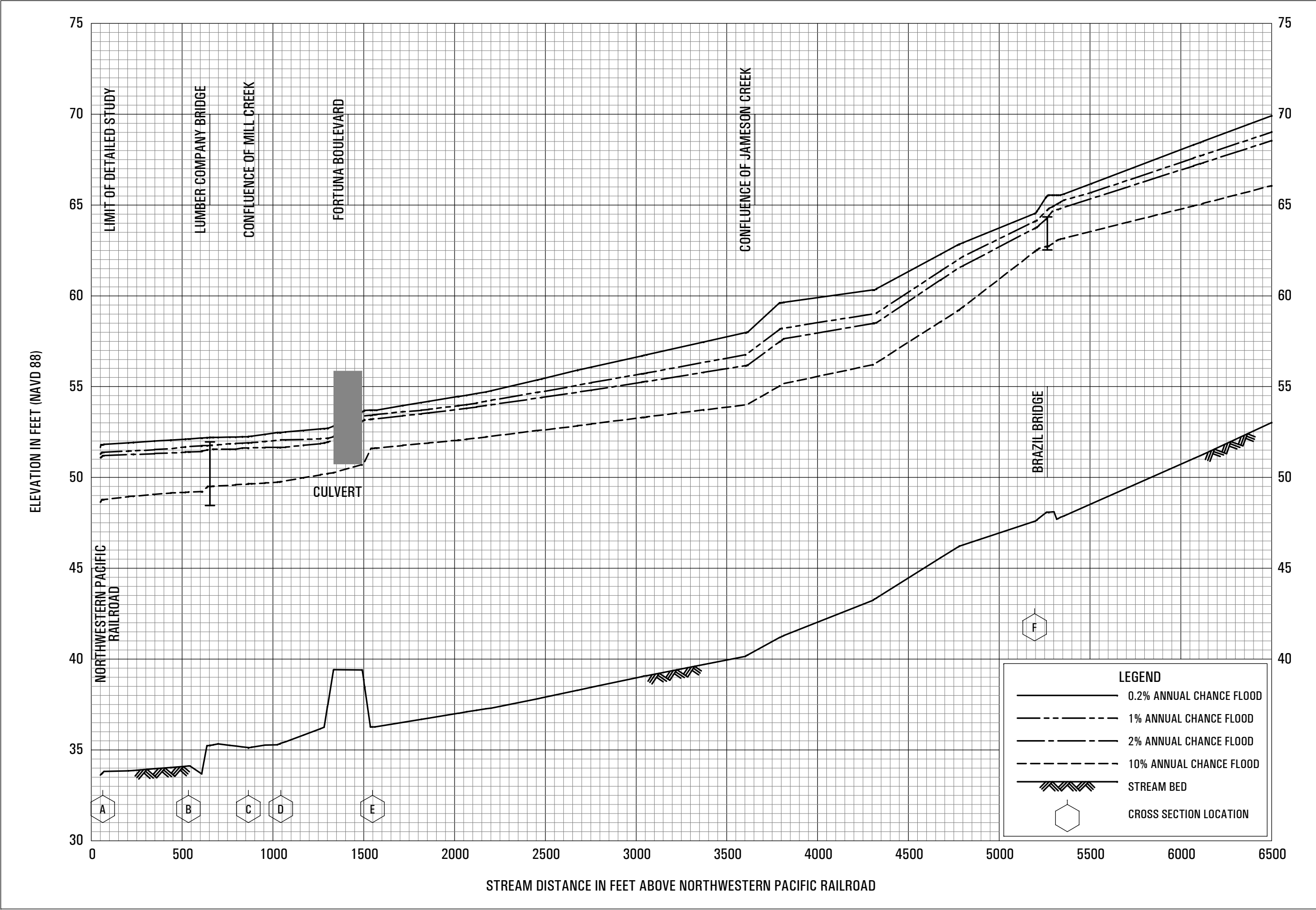
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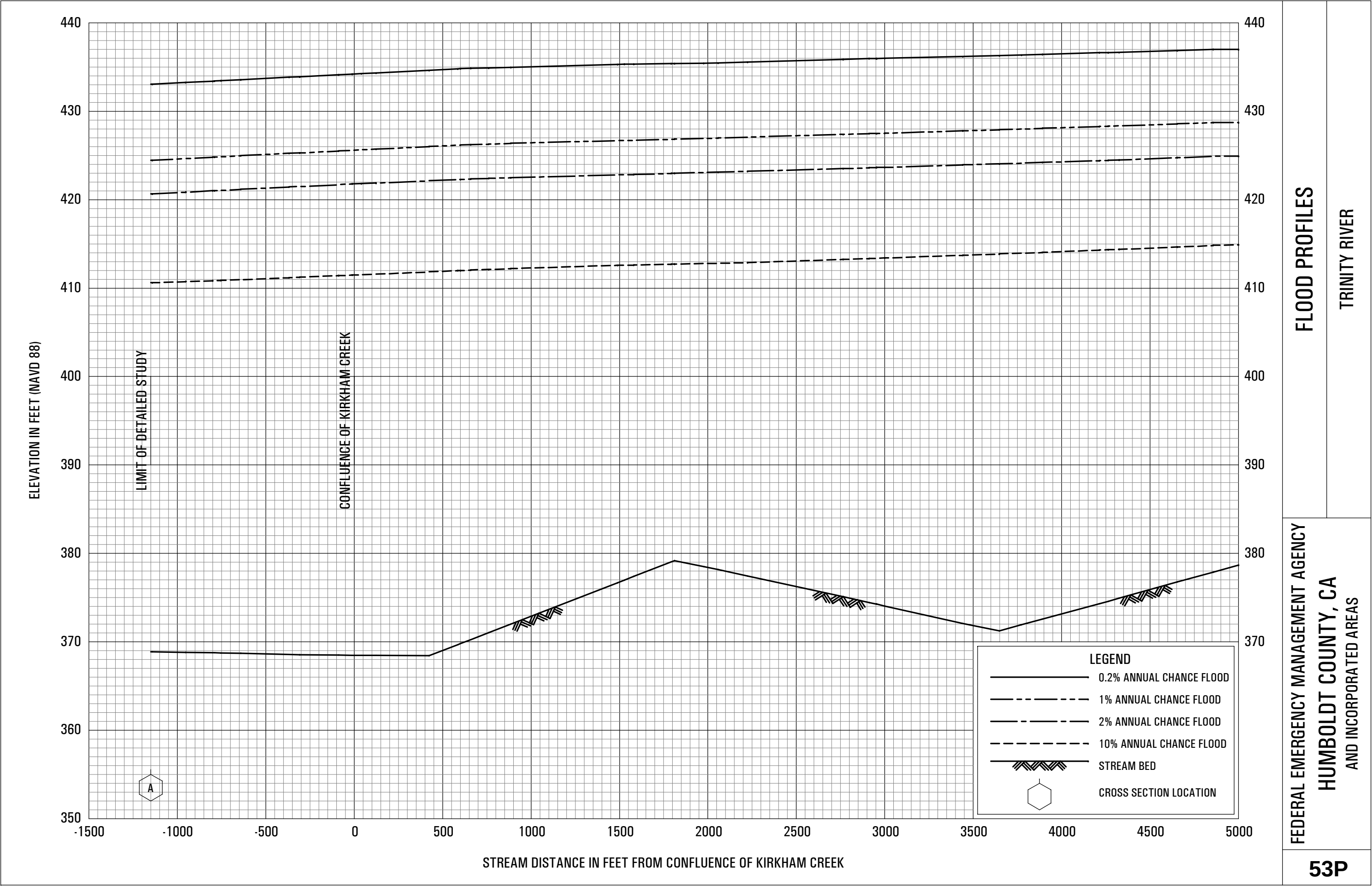
HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS







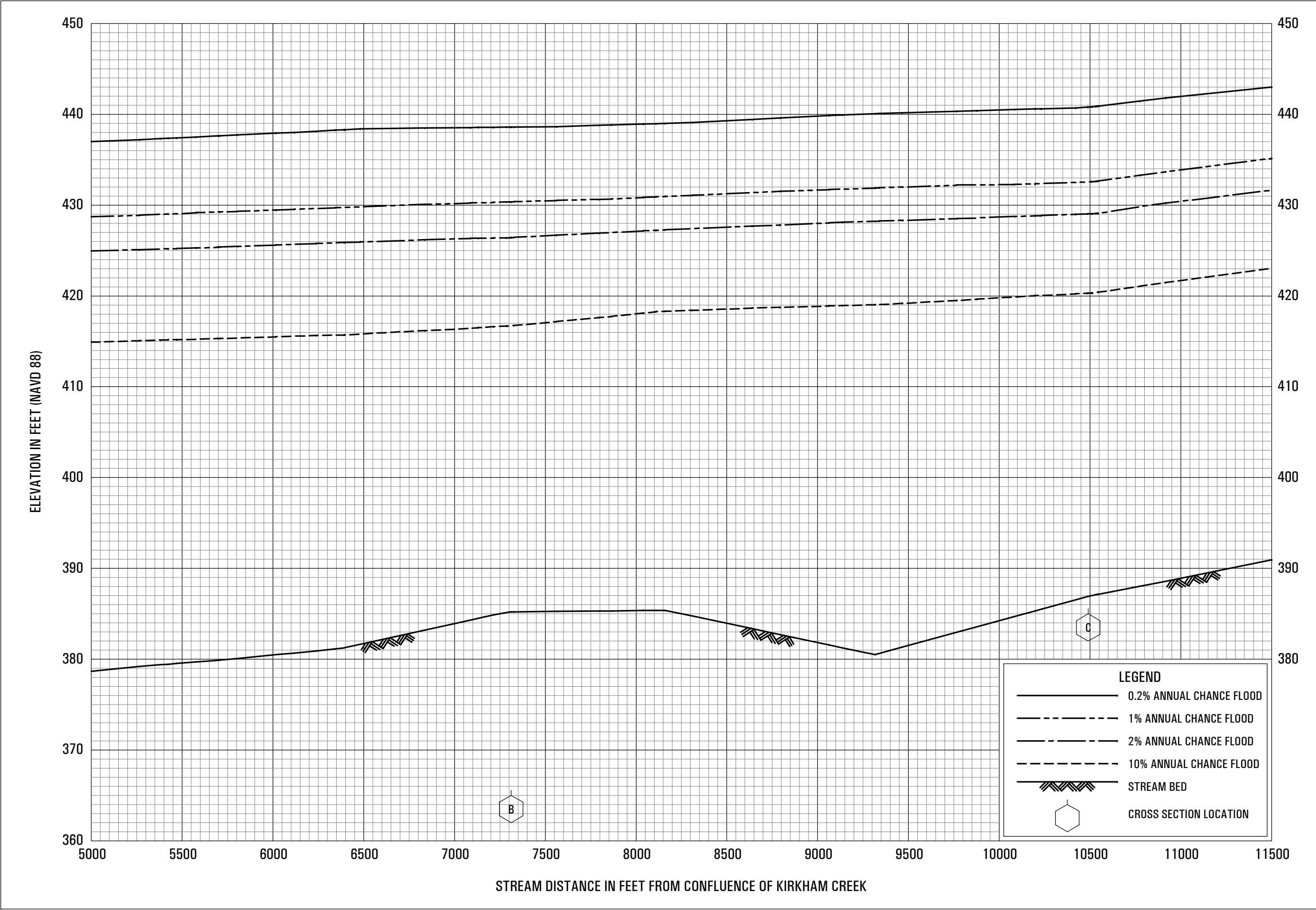


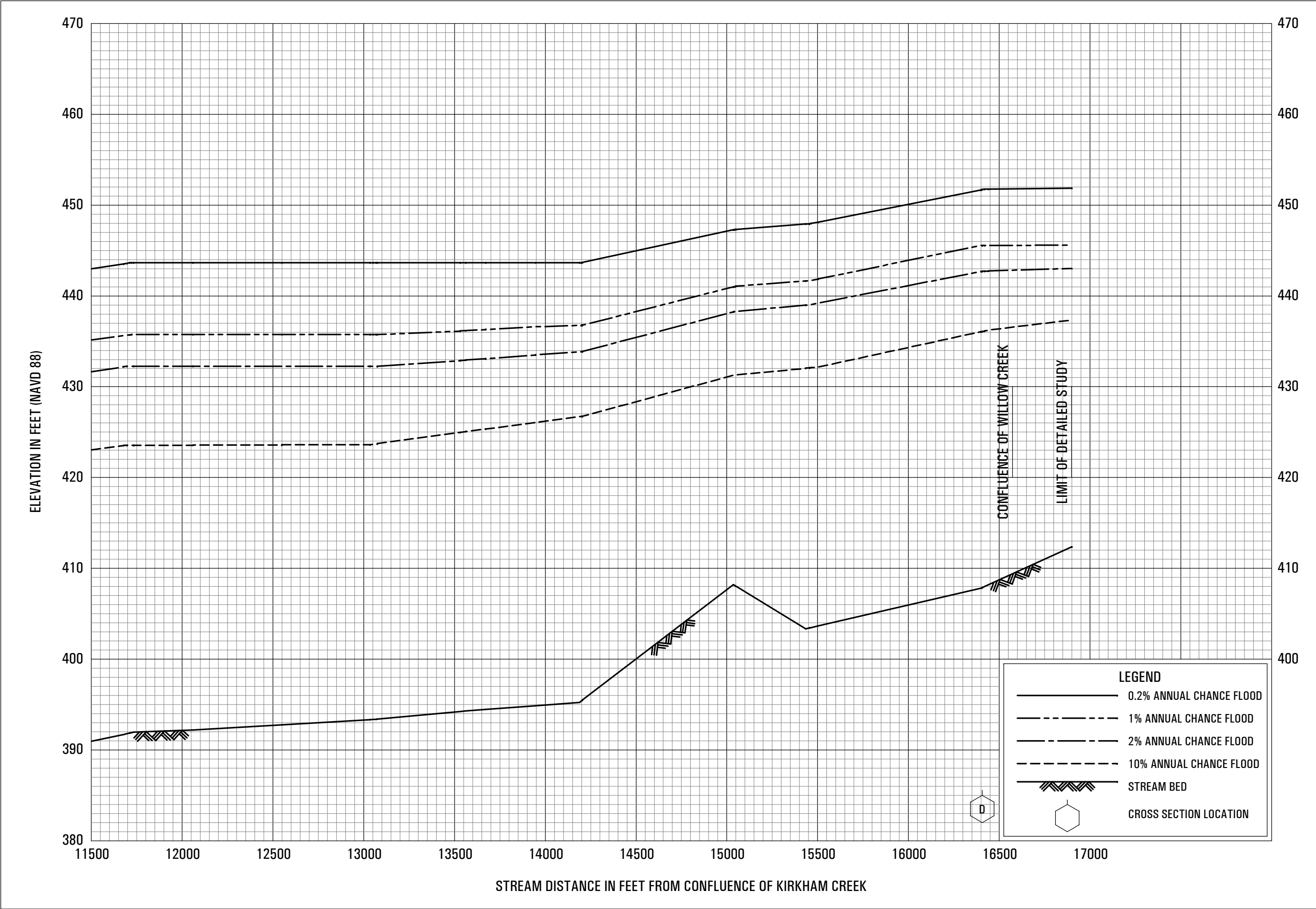


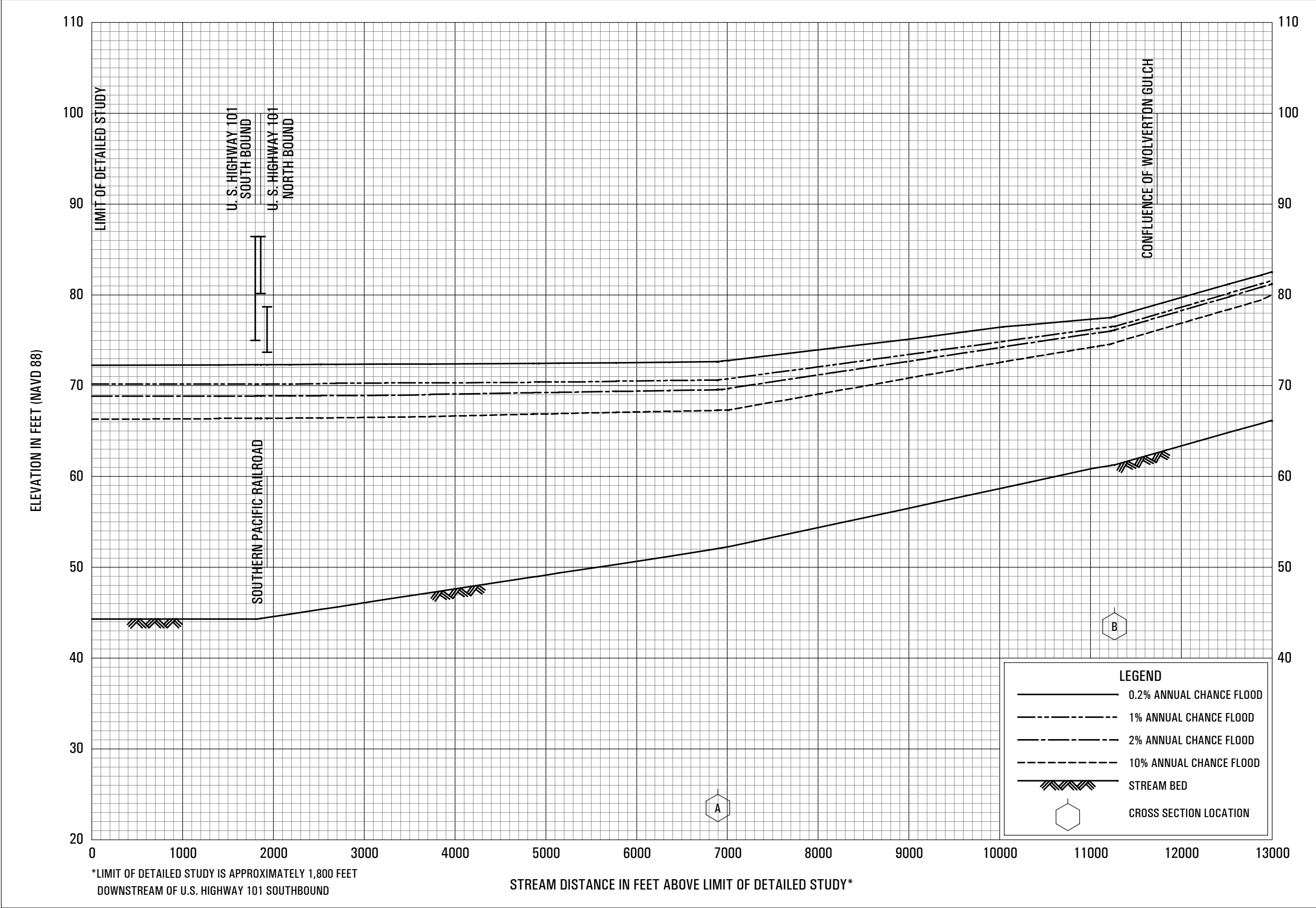
FLOOD PROFILES

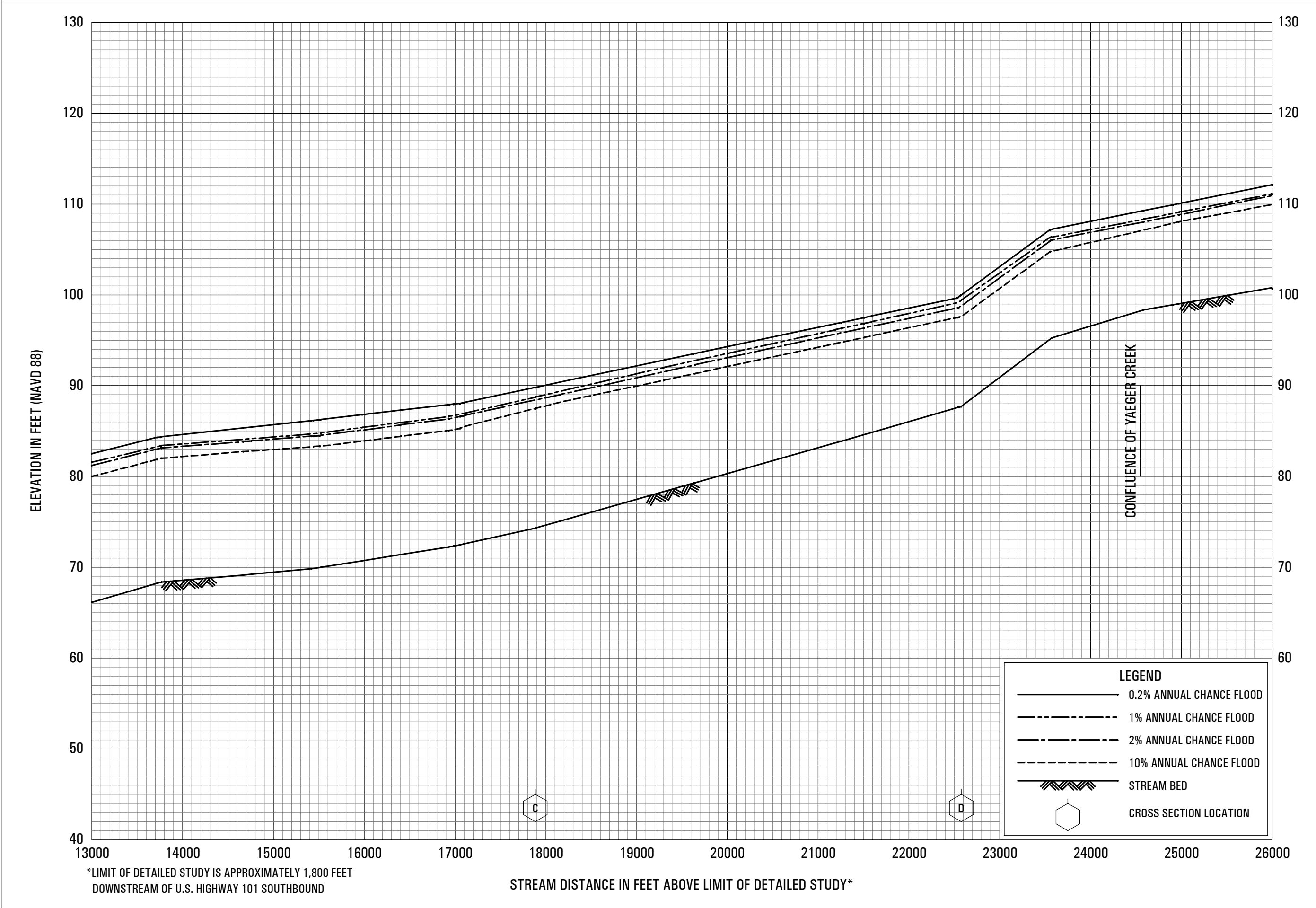
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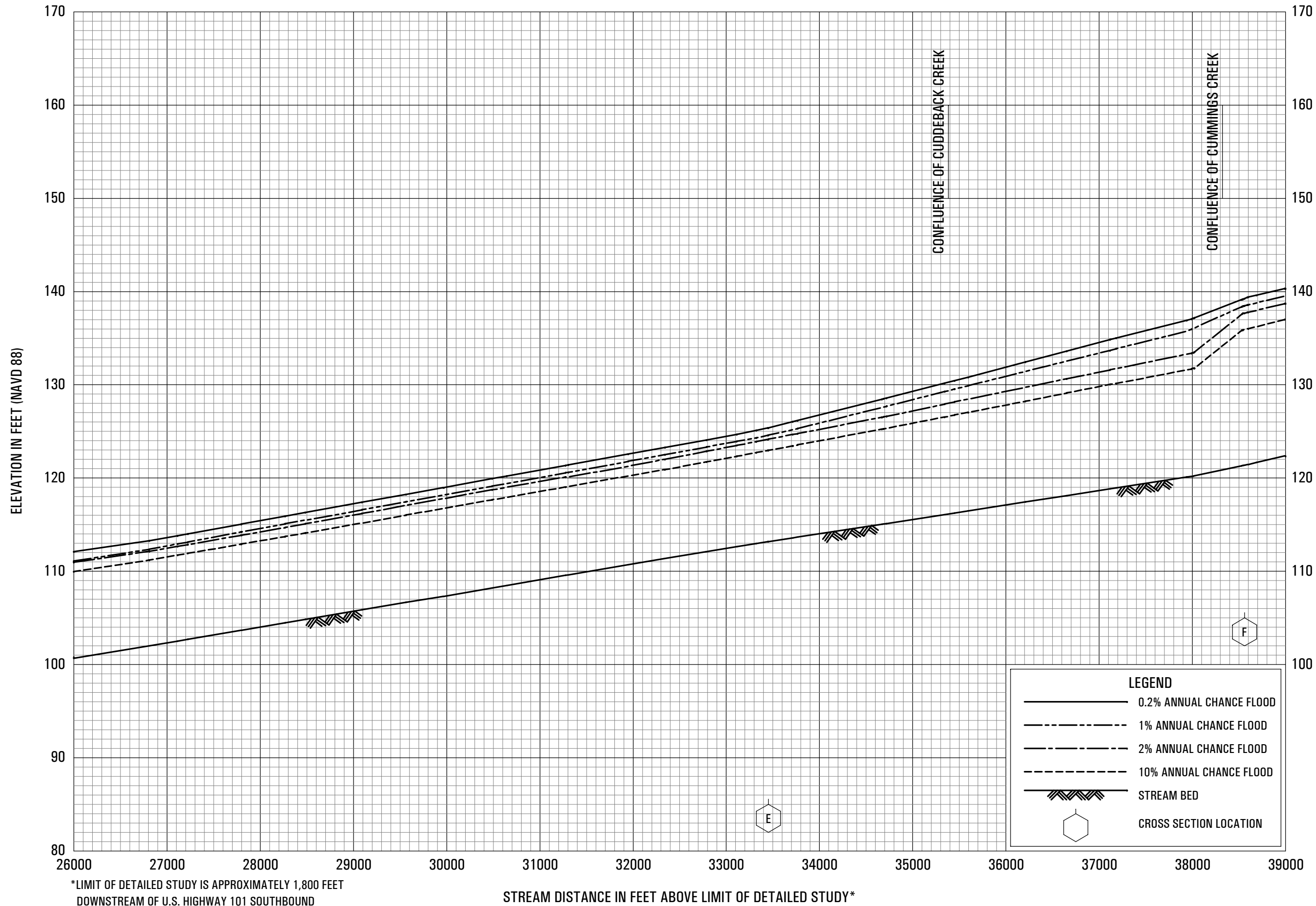
FEDERAL EMERGENCY MANAGEMENT AGENCY
HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS











*LIMIT OF DETAILED STUDY IS APPROXIMATELY 1,800 FEET
DOWNSTREAM OF U.S. HIGHWAY 101 SOUTHBOUND

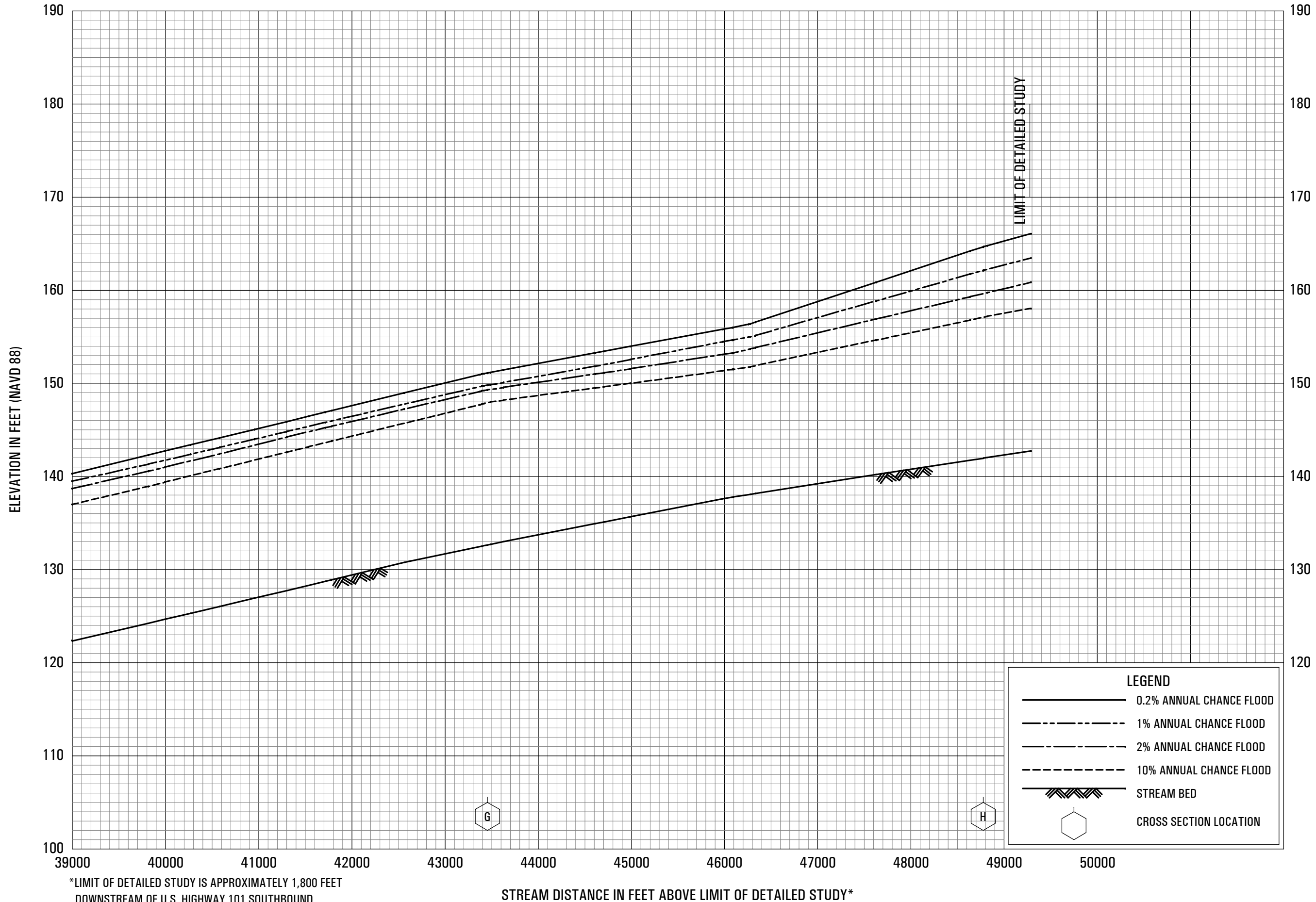
STREAM DISTANCE IN FEET ABOVE LIMIT OF DETAILED STUDY*

FLOOD PROFILES

VAN DUZEN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

HUMBOLDT COUNTY, CA
AND INCORPORATED AREAS



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DOWNSTREAM OF U.S. HIGHWAY 101 SOUTHBOUND

STREAM DISTANCE IN FEET ABOVE LIMIT OF DETAILED STUDY*

FLOOD PROFILES

VAN DUZEN RIVER

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