FLOOD INSURANCE STUDY

VOLUME 3 OF 4

SANTA CLARA COUNTY, CALIFORNIA

AND INCORPORATED AREAS

Community Name	Community Number
CAMPBELL, CITY OF	060338
CUPERTINO, CITY OF	060339
GILROY, CITY OF	060340
LOS ALTOS, CITY OF	060341
LOS ALTOS HILLS, TOWN OF	060342
LOS GATOS, TOWN OF	060343
MILPITAS, CITY OF	060344
MONTE SERENO, CITY OF	060345
MORGAN HILL, CITY OF	060346
MOUNTAIN VIEW, CITY OF	060347
PALO ALTO, CITY OF	060348
SAN JOSE, CITY OF	060349
SANTA CLARA, CITY OF	060350
SANTA CLARA COUNTY (UNINCORPORATED AREAS)	060337
SARATOGA, CITY OF	060351
SUNNYVALE, CITY OF	060352

PRELIMINARY
7/8/2015

REVISED
Month Day, Year

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
06085CV003C

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.

This FIS report was revised on Month xx, 201x. 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: May 18, 2009

First Revised Countywide FIS Date: February 19, 2014

Second Revised Countywide FIS Date: Month xx, 201x

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5.0 INSURANCE APPLICATIONS

For flood insurance rating purposes, flood insurance zone designations are assigned to a community based on the results of the engineering analyses. These zones are as follows:

Zone A

Zone A is the flood insurance rate zone that corresponds to the 1-percent-annual- chance floodplains that are determined in the FIS by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no BFEs or depths are shown within this zone.

Zone AE

Zone AE is the flood insurance rate zone that corresponds to the 1-percent- annual-chance floodplains that are determined in the FIS by detailed methods. In most instances, whole-foot BFEs derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone AH

Zone AH is the flood insurance rate zone that corresponds to the areas of 1- percent-annual-chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot BFEs derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone AO

Zone AO is the flood insurance rate zone that corresponds to the areas of 1- percent-annual-chance shallow flooding (usually sheetflow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-foot depths derived from the detailed hydraulic analyses are shown within this zone.

Zone VE

Zone VE is the flood insurance rate zone that corresponds to the 1-percent- annual-chance coastal floodplains that have additional hazards associated with storm waves. Whole-foot BFEs derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone X

Zone X is the flood insurance rate zone that corresponds to areas outside the 0.2- percent-annual-chance floodplain, areas within the 0.2-percent-annual-chance floodplain, and areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by levees. No BFEs or depths are shown within this zone.

Zone D

Zone D is the flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.

6.0 FLOOD INSURANCE RATE MAP

The FIRM is designed for flood insurance and floodplain management applications.

For flood insurance applications, the map designates flood insurance rate zones as described in Section 5.0 and, in the 1-percent-annual-chance floodplains that were studied by detailed methods, shows selected whole-foot BFEs or average depths. Insurance agents use the zones and BFEs in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

For floodplain management applications, the map shows by tints, screens, and symbols, the 1- and 0.2-percent-annual-chance floodplains. Floodways and the locations of selected cross sections used in the hydraulic analyses and floodway computations are shown where applicable.

This FIRM includes some flood hazard information that was presented separately on the Flood Boundary and Floodway Maps, where applicable. Historical data relating to the maps prepared for each community up to and including this countywide FIS are presented in Table 13, "Community Map History."

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Campbell, City of	May 31, 1974	July 11, 1975	June 30, 1976	December 7, 1982 February 19, 2014
Cupertino, City of	February 15, 1974	April 18, 1975 January 16, 1976	May 1, 1980	May 18, 2009
Gilroy, City of	May 31, 1974	June 4, 1976	August 1, 1980	October 6, 1981 September 4, 1987 August 17, 1998 May 18, 2009
Los Altos, City of	June 7, 1974	September 24, 1976	July 16, 1980	May 18, 2009
Los Altos Hills, Town of	May 24, 1974	November 26, 1976	January 2, 1980	May 18, 2009
Los Gatos, Town of	February 27, 1976	---	January 17, 1979	February 19, 2014
Milpitas, City of	March 22, 1974	March 28, 1975 July 12, 1977 May 30, 1978	July 16, 1980	February 19, 1986 July 4, 1988 June 22, 1998 February 19, 2014

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Monte Sereno, City of	March 7, 1975	---	May 18, 2009	February 19, 2014
Morgan Hill, City of	May 31, 1974	December 12, 1975	June 18, 1980	December 22, 1998 May 18, 2009
Mountain View, City of	June 14, 1974	September 19, 1975	August 15, 1980	February 8, 1983 July 4, 1988 June 19, 1997 May 18, 2009
Palo Alto, City of	June 28, 1974	December 5, 1975 December 31, 1976	February 15, 1980	September 6, 1989 June 2, 1999 May 18, 2009
San Jose, City of	January 24, 1975	April 9, 1976 April 4, 1978 November 20, 1979	August 2, 1982	February 19, 1986 December 16, 1988 June 19, 1989 August 17, 1998 February 19, 2014

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS

COMMUNITY MAP HISTORY

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISIONS DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Santa Clara, City of	April 12, 1974	February 11, 1977 November 15, 1977	July 16, 1980	January 20, 1999 February 19, 2014
Santa Clara, County of	June 20, 1978	October 30, 1979 September 9, 1980	August 2, 1982	March 2, 1983 February 19, 1986 December 16, 1988 August 17, 1998 February 19, 2014
Saratoga, City of	March 22, 1974	November 28, 1975	January 17, 1979	July 3, 1997 February 19, 2014
Sunnyvale, City of	May 31, 1974	December 5, 1975	May 15, 1978	October 18, 1983 December 19, 1997

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS

COMMUNITY MAP HISTORY

7.0 OTHER STUDIES

Information pertaining to revised and unrevised flood hazards for each jurisdiction within Santa Clara County has been compiled into this FIS. Therefore, this FIS supersedes all previously printed FIS Reports, FHBMs, FBFMs, and FIRMs for all of the incorporated and unincorporated jurisdictions within Santa Clara County.

8.0 LOCATION OF DATA

Information concerning the pertinent data used in the preparation of this FIS can be obtained by contacting FEMA, Federal Insurance and Mitigation Division, 1111 Broadway, Suite 1200, Oakland, California 94607-4052.

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10.0 REVISION DESCRIPTIONS

This section has been added to provide information regarding significant revisions made since the original FIS was printed. Future revisions may be made that do not result in the republishing of the FIS report. To assure that the user is aware of all revisions, it is advisable to contact the community repository of flood-hazard data.

10.1 First Revision (February 19, 2014)

10.2 Second Revision (Month day, year)

FIS Section 3.3 Coastal Hazard Analyses

For San Francisco Bay, storm surge, swell-wave and wind-waves were modeled at a regional scale using numerical models to deterministically predict water levels and wave conditions in the bay. Coastal flooding hazards were then evaluated with one-dimensional (1D) transect-based models.

The regional modeling of San Francisco Bay was conducted in two phases. The first phase focused on the North and Central Bay and was completed in 2011 (Reference 220). The second phase focused on the South Bay and was completed in 2012 (Reference 221). Results from South Bay study are used in the coastal flood hazard analysis for all transects in the Santa Clara County analysis. The South Bay study simulated a 53-yr period from 1956 to 2009 and only modeled the locally generated wind-waves. The South Bay study did not model swell waves because swell from the Pacific Ocean do not penetrate into the south San Francisco Bay. Water level data is provided by the DHI "Surge" model and wave data is provided by the DHI "Seas" model.

The water levels and wave parameters used in the 1D transect-based analyses primarily come from the regional hydrodynamic and wave modeling effort for South San Francisco Bay (Reference 220). The water levels from DHI included the effects of tide, storm surge, and riverine discharge. Wave setup, runup, overtopping, and overland wave propagation were analyzed for 15 transects along the Santa Clara County coastline. Transects are shown on the FIRM panels and depicted in the Transect Location Map (Figure 2). Transect profile elevations were based on the National Oceanic and Atmospheric Administration (NOAA) 2010 Central San Francisco Bay Area LiDAR, collected June to November, 2010, which provides complete coverage of the coastal areas, up to the 16-foot (5-meter) elevation contour within the Santa Clara County study area (Reference 222). The National Oceanic and Atmospheric Administration (NOAA) managed additional LiDAR collection for CCMP in northern San Francisco Bay, outside of the study area for this project.

The same bathymetric data that was used in the regional hydrodynamic and wave study (DHI, 2011) was also used for the Santa Clara overland wave hazard analyses: U.S. Army Corps of Engineers (USACE) 2003 dredging surveys, USGS 2005 South Bay bathymetric survey, and bathymetric survey data from the NOAA / National Ocean Service (NOS) Geophysical Data System (GEODAS). In areas where the two datasets overlapped, the USACE data were given priority.

Bathymetric information was derived from USACE dredging surveys and NOAA/National Ocean Service (NOS) Geophysical Data System (GEODAS) bathymetric data. In areas where the two datasets overlapped, the USACE data was given priority. See DHI (2011) for more details on bathymetric data merging and prioritization.

The bathymetric features of some of the salt ponds were not captured during the 2010 survey, but are available from an earlier survey completed by the USGS in 2003 and 2004 (Reference 225). The point data for the individual ponds were taken along transects spaced approximately 100 m apart and interpolated to 25 m bathymetric grids. The 25 m grid files were incorporated into the larger terrain dataset described above and given priority in the overlapping areas.

Overland wave propagation modeling, using FEMA's Wave Height Analysis for Flood Insurance Studies (WHAFIS) model, Version 4 (Reference 226; Reference 227), was performed for transects with gently sloping profiles where the prevailing ground is inundated by the stillwater flood level alone. WHAFIS solves the wave action conservation equation and incorporates wind-generated wave growth and dissipation by marsh grasses. Rigid blockages to wave growth, such as buildings or rigid vegetation, are also included within the formulations. All fifteen transects were analyzed for overland

wave propagation hazards. Of the fifteen transects, only transect 12 was evaluated for wave runup hazards inland along the transect.

Table 14: Transect Data

Transect	XY Coordinates (Geographic Latitude/Longitude)		Stillwater Elevation (feet NAVD 88)[1]		Zone	BFE
			1% Annual Chance	0.2% Annual Chance		
1	37.467676	-122.103152	11.1	12.7	VE AE	11-12 11-12
2	37.464220	-122.099355	11.1	12.8	VE AE	12 10-12
3	37.447479	-122.110240	11.2	12.8	AE	11-12
4	37.459903	-122.079290	11.2	13.0	VE AE	13 11-12
5	37.462013	-122.086027	11.2	12.9	VE AE	13 11-12
6	37.460254	-122.071721	11.4	13.5	VE AE	13 11-12
7	37.459571	-122.077747	11.2	13.1	VE AE	13 11-12
8	37.459490	-122.062044	11.5	13.9	VE AE	13-14 12
9	37.459190	-122.042275	11.4	13.6	VE AE	13 11-12
10	37.446759	-122.012724	11.4	13.6	AE	11-12
11	37.434522	-122.007316	11.4	13.6	AE	11-12
12	37.459404	-122.040924	11.4	13.6	VE AE	14 11-14
13	37.463937	-122.023097	11.3	13.1	AE	11-13
14	37.468161	-121.964973	11.3	13.1	AE	12-13
15	37.449043	-121.967764	11.4	13.1	AE	12-13

[1]North American Vertical Datum of 1988

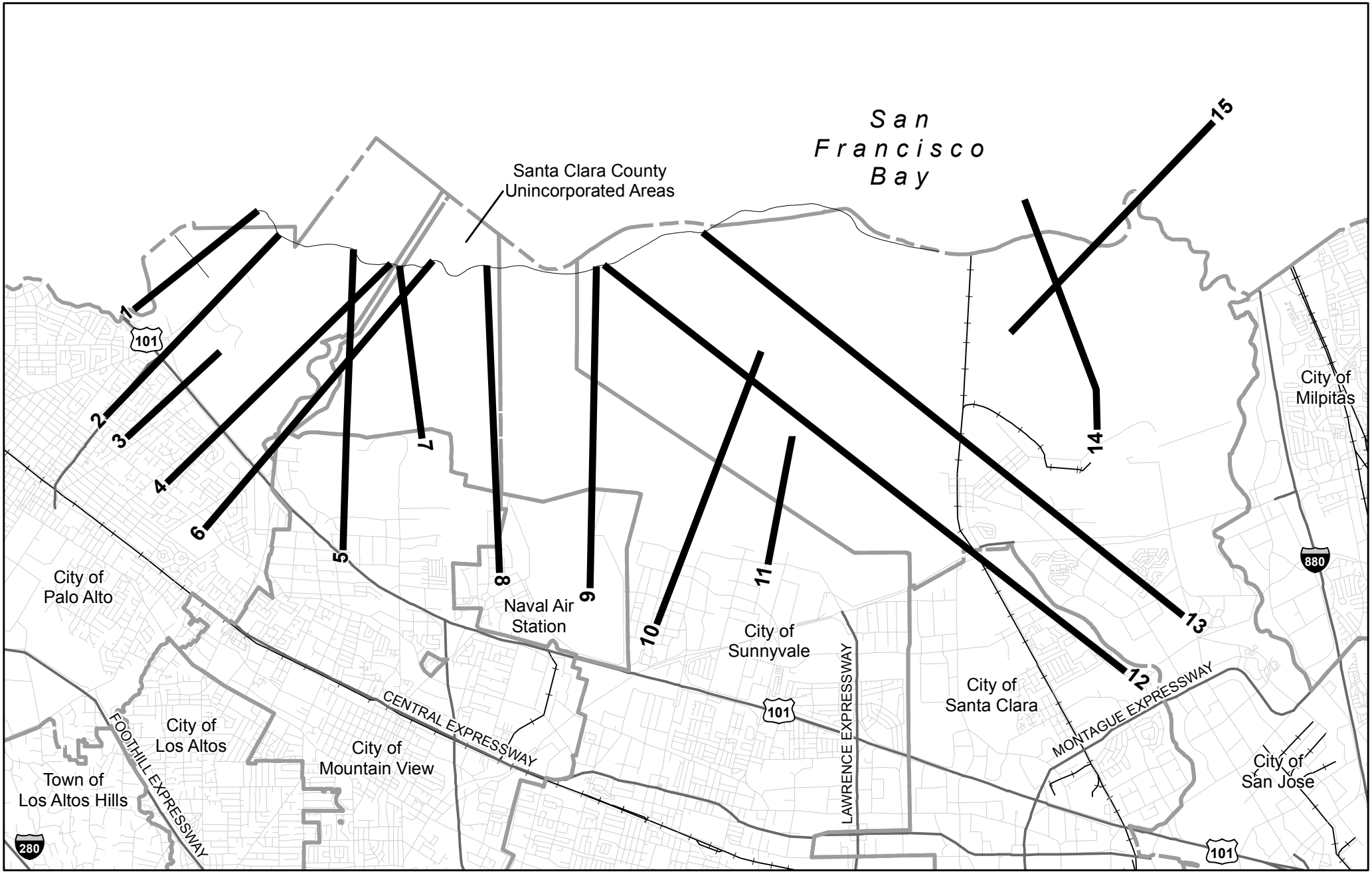


FIGURE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CALIFORNIA AND INCORPORATED AREAS

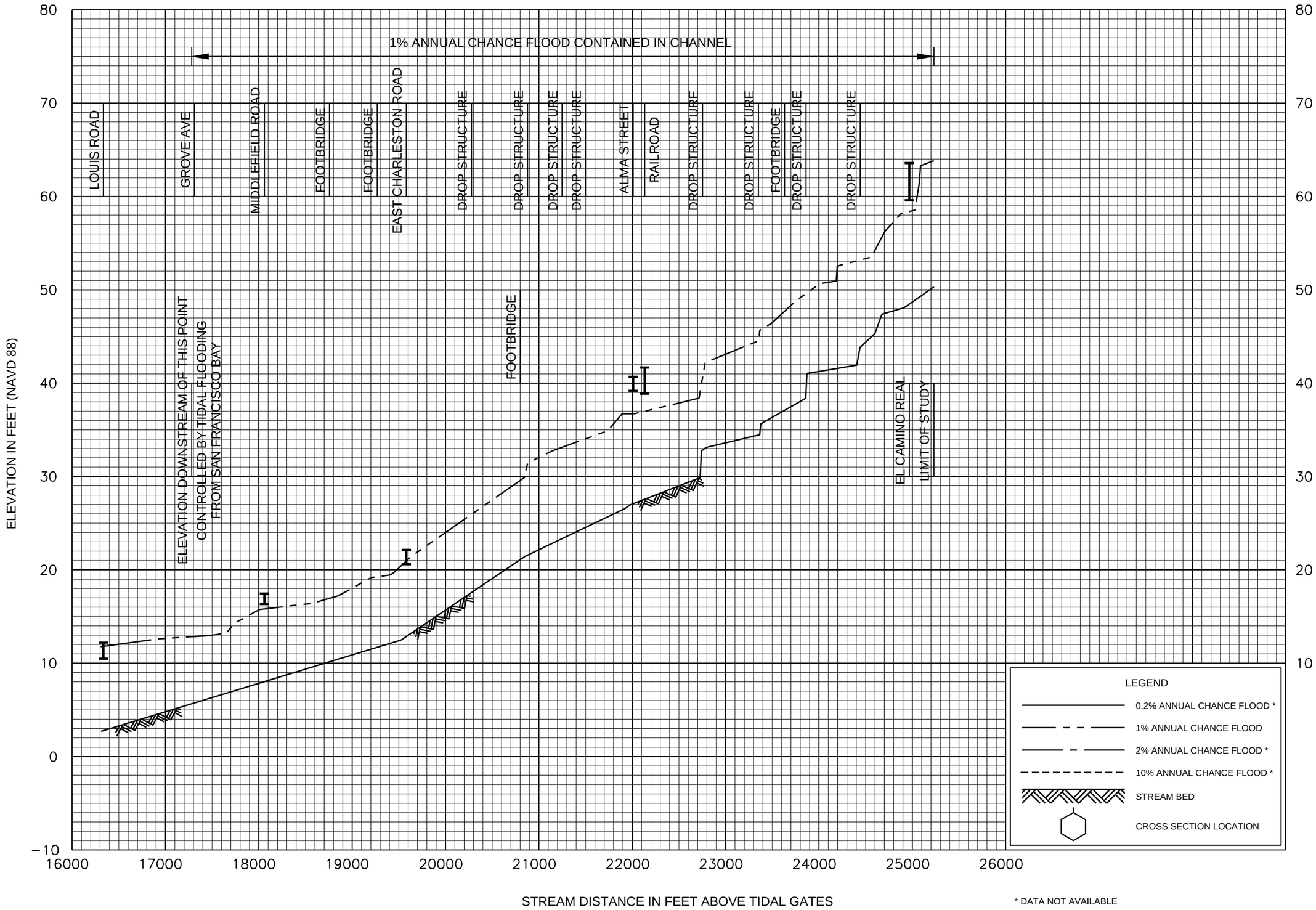
0 1.5 3 Miles

TRANSECT LOCATION MAP

FIS Section 4.1 Floodplain Boundaries

For this FIS, new flood zones were developed and mapped for the updated San Francisco Bay coastal hazard analysis described in Section 3.3. Detailed flood hazard boundaries along San Francisco Bay were delineated using the NOAA 2010 San Francisco Bay Area LiDAR, collected June to November 2010 (Reference 222).

Areas inundated by stillwater flooding with minimal wave hazard effects were mapped as Zone AE and the flood hazard boundary is located at the point where the ground elevation equals the stillwater elevation. In areas subject to wave runup, the flood hazard boundary is located at the point where the ground elevation equals the runup elevation, or where overtopping occurs, the boundary is located at the inland extent of overtopping. The Base Flood Elevation (BFE) in these areas is rounded to the nearest whole-foot, though the boundary is mapped using precision to the tenth of a foot. Inundation flooding is mapped inland to the point where it meets continuous high ground or encounters flooding from another flooding source. Salt marsh berms are not considered barriers to flood inundation regardless of height or continuity since they are not structures that are designed for and accredited with providing protection from the base flood.



FLOOD PROFILES

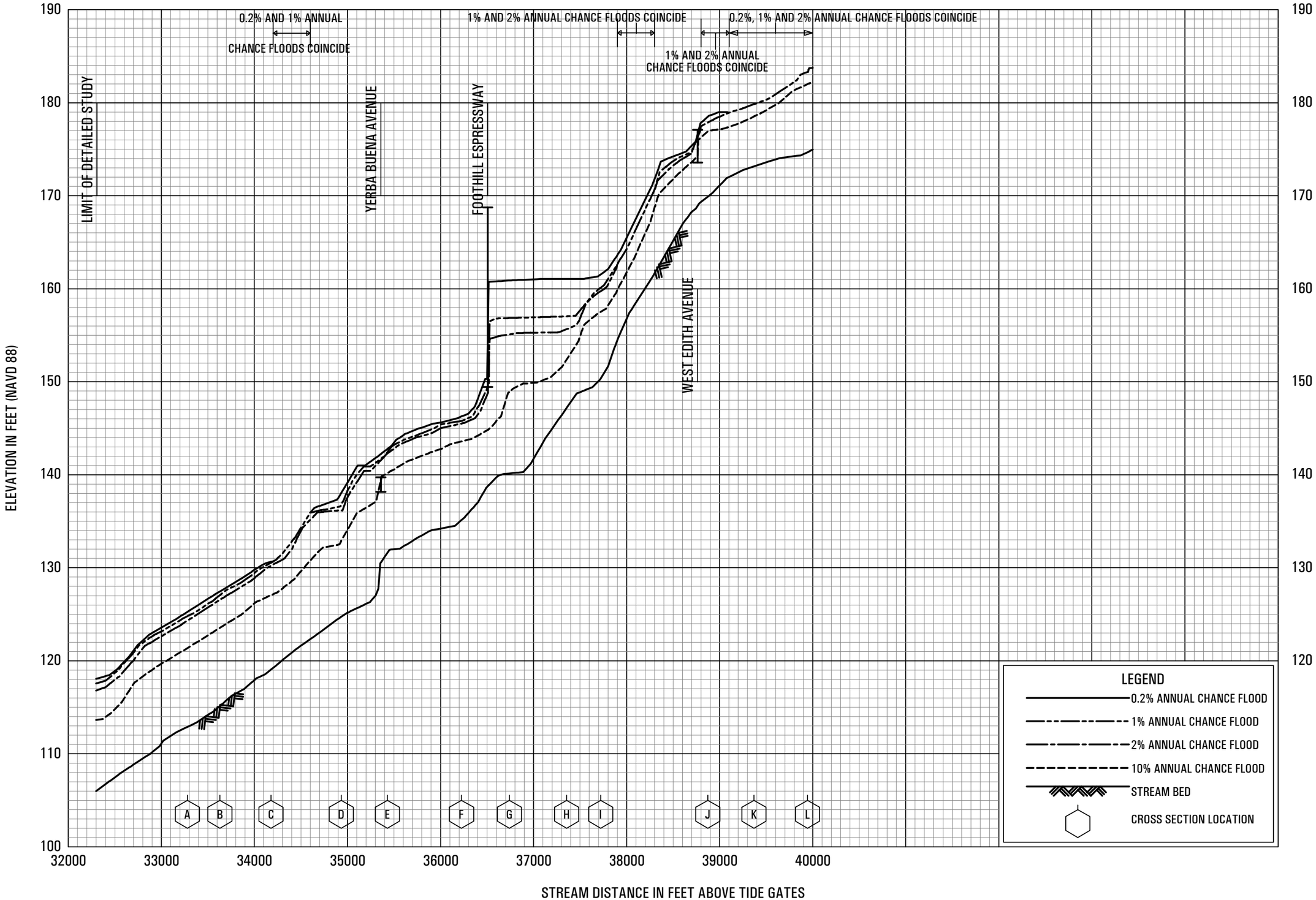
ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

01P



FLOOD PROFILES

ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

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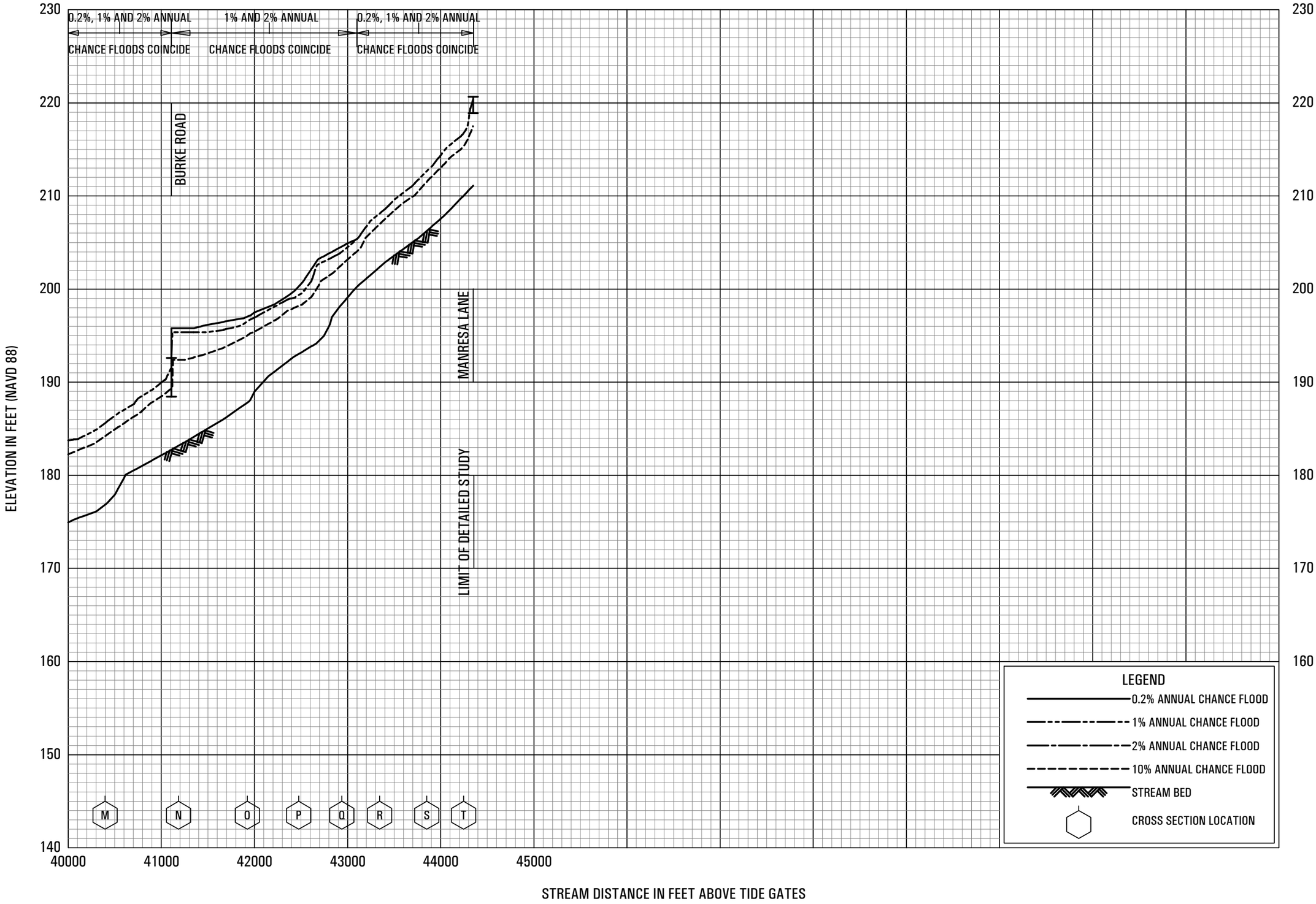


FLOOD PROFILES

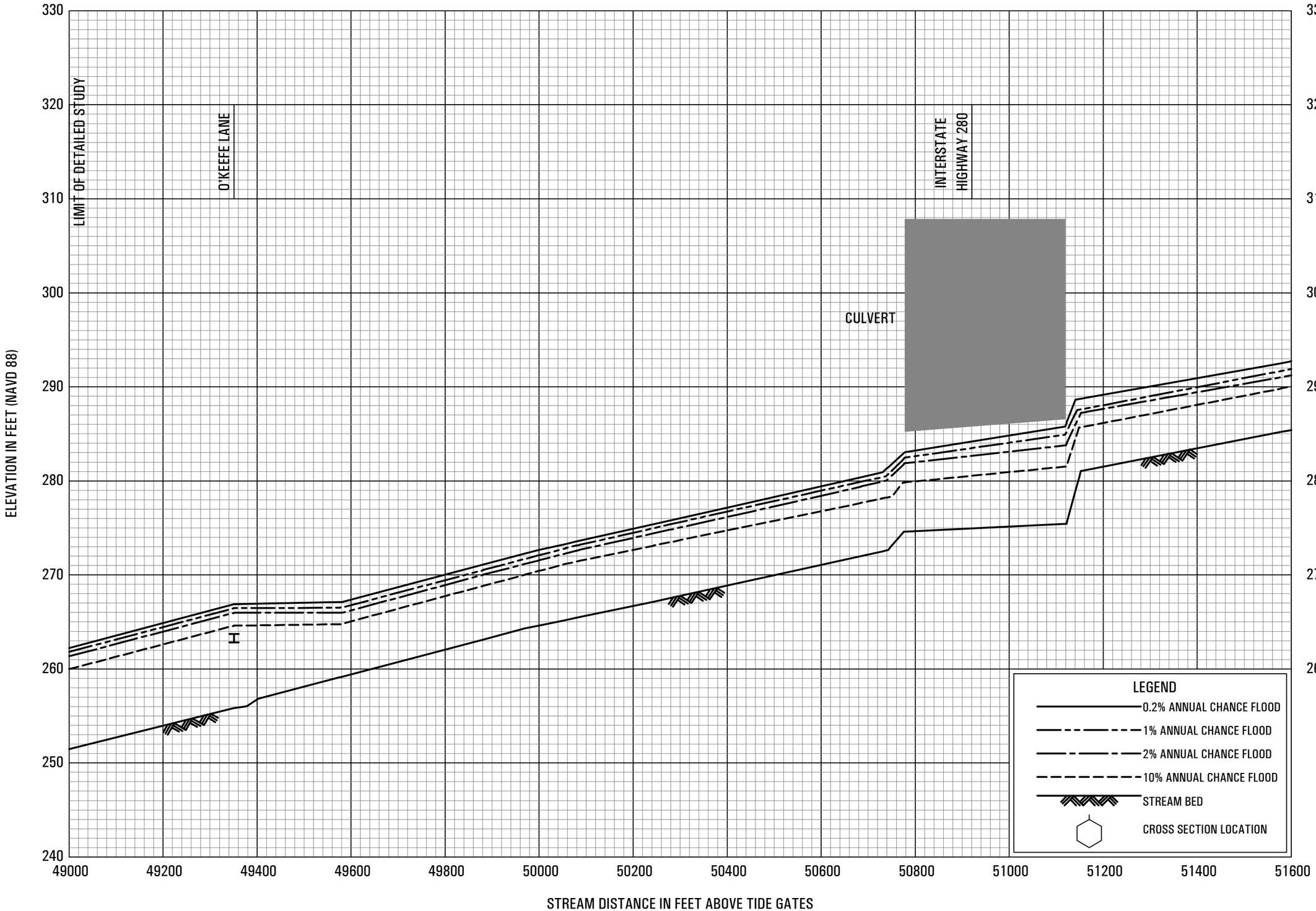
ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

03P



FLOOD PROFILES

ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

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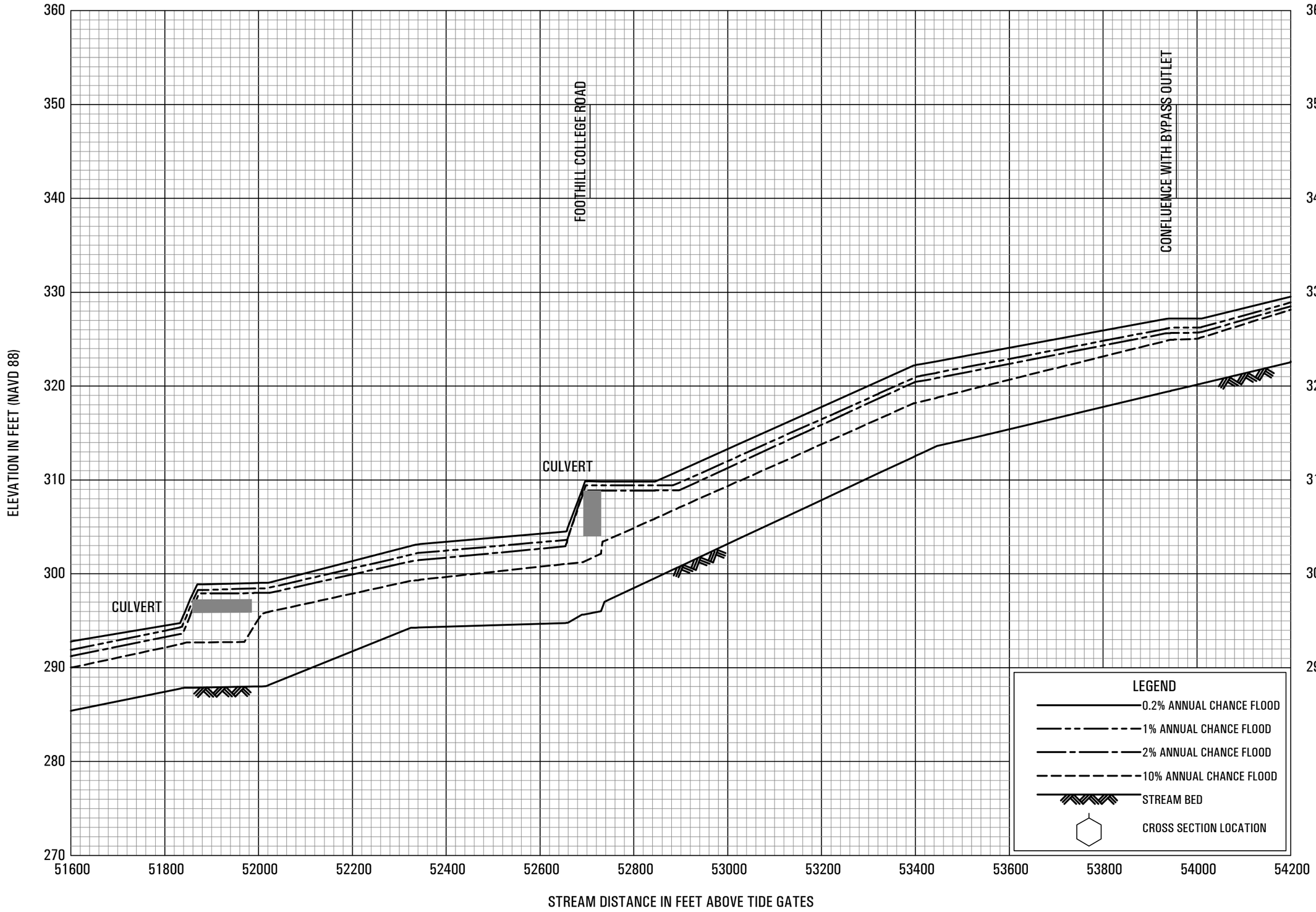

FLOOD PROFILES

ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

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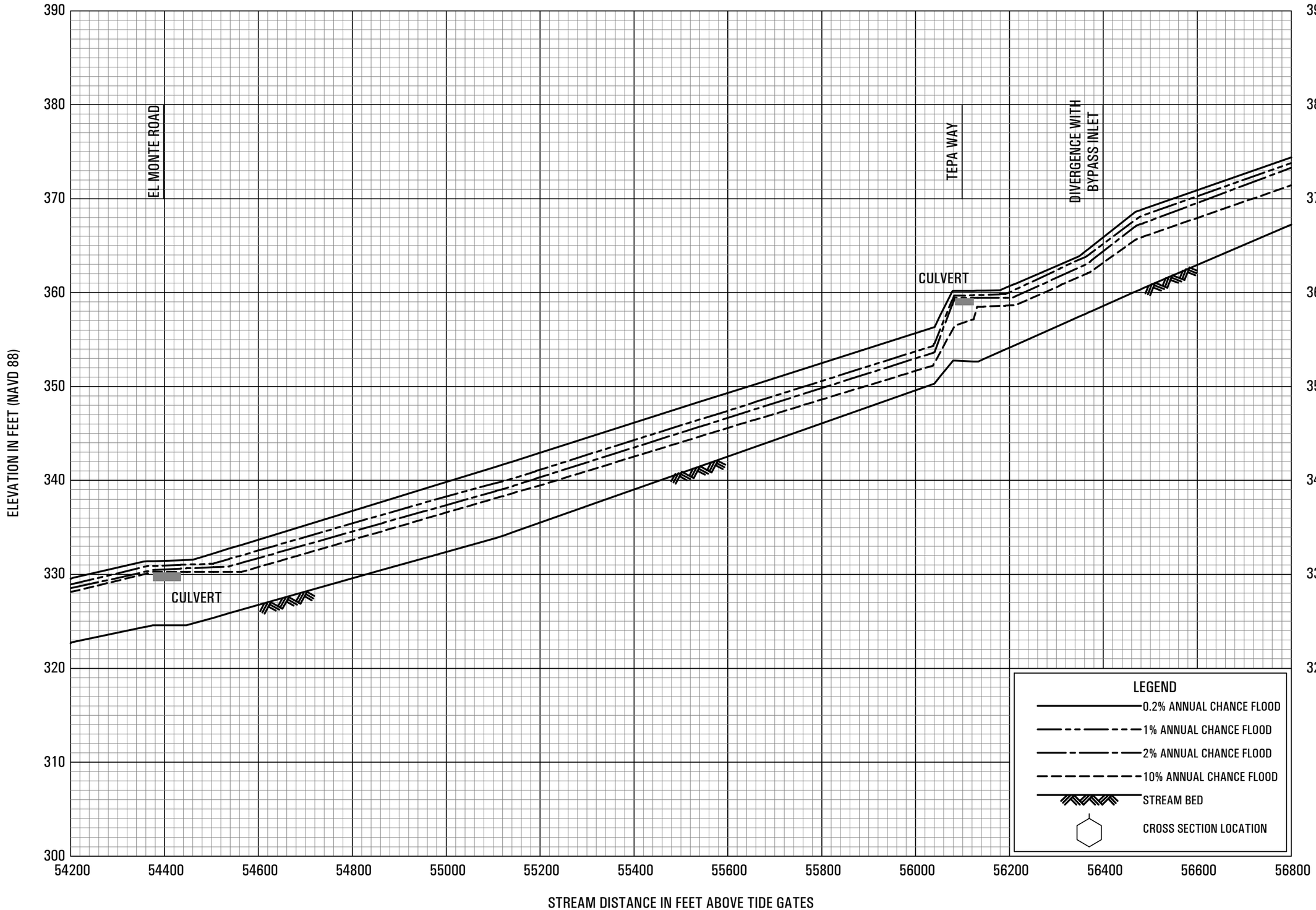

FLOOD PROFILES

ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

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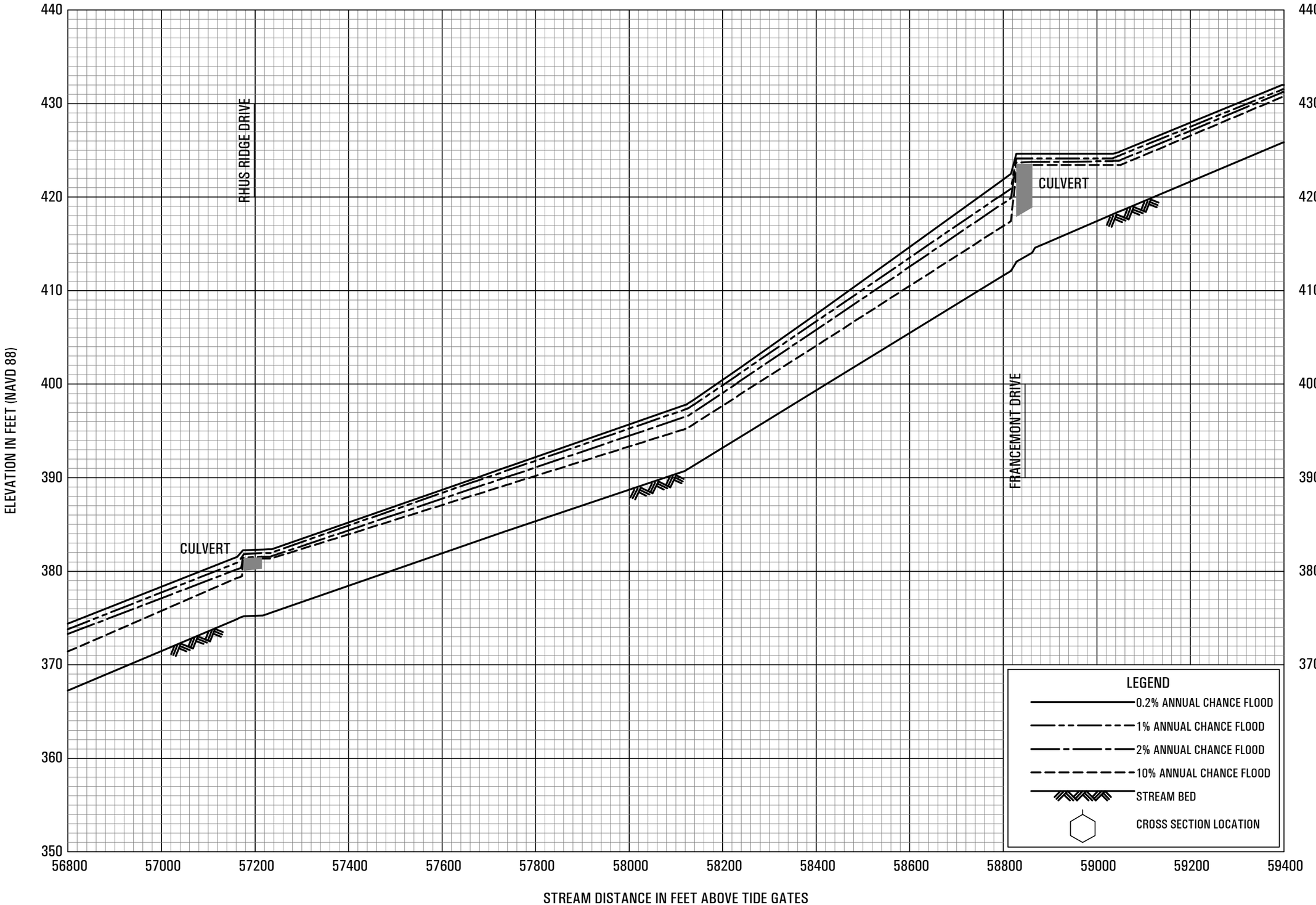


FLOOD PROFILES

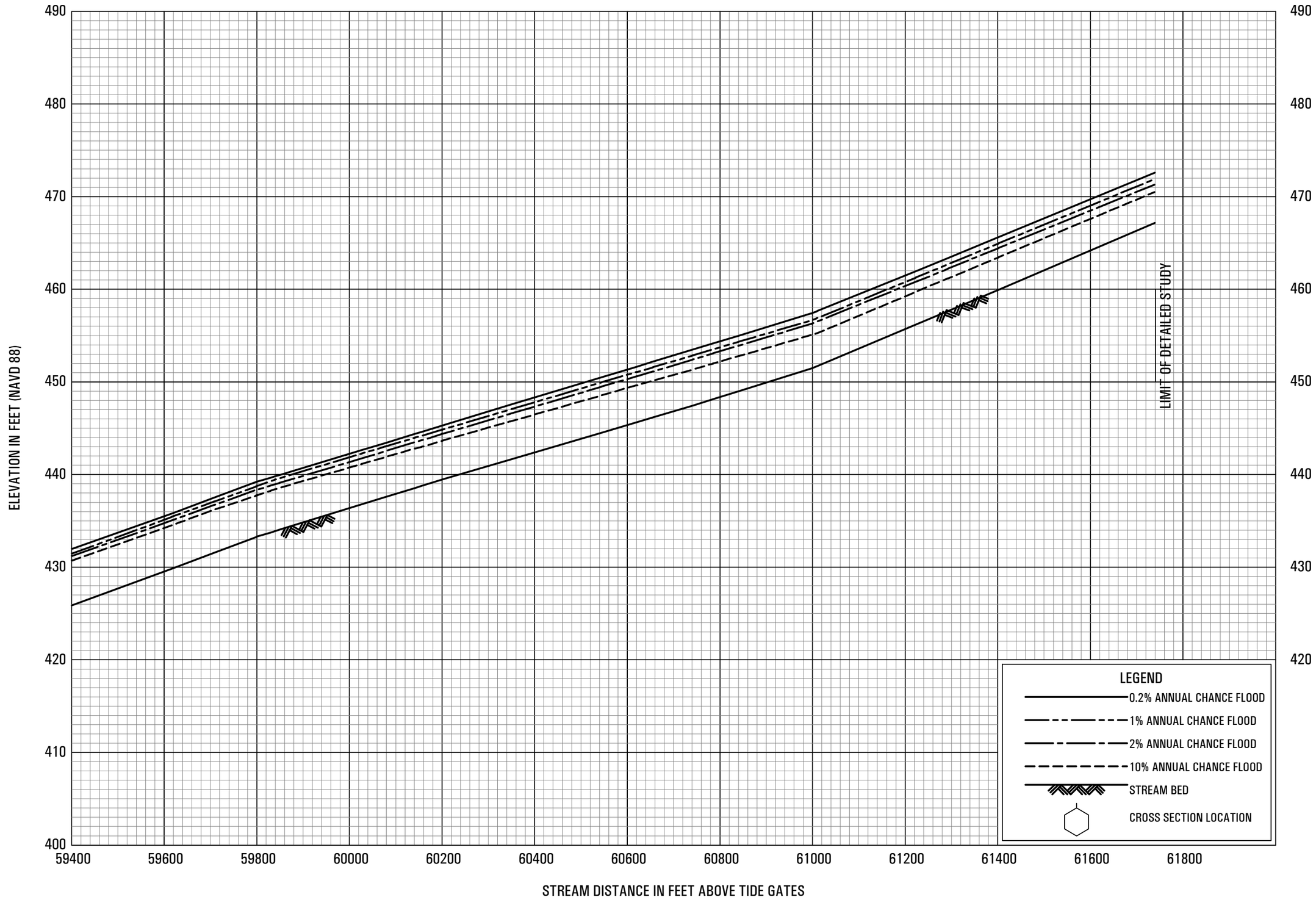
ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

07P



FLOOD PROFILES

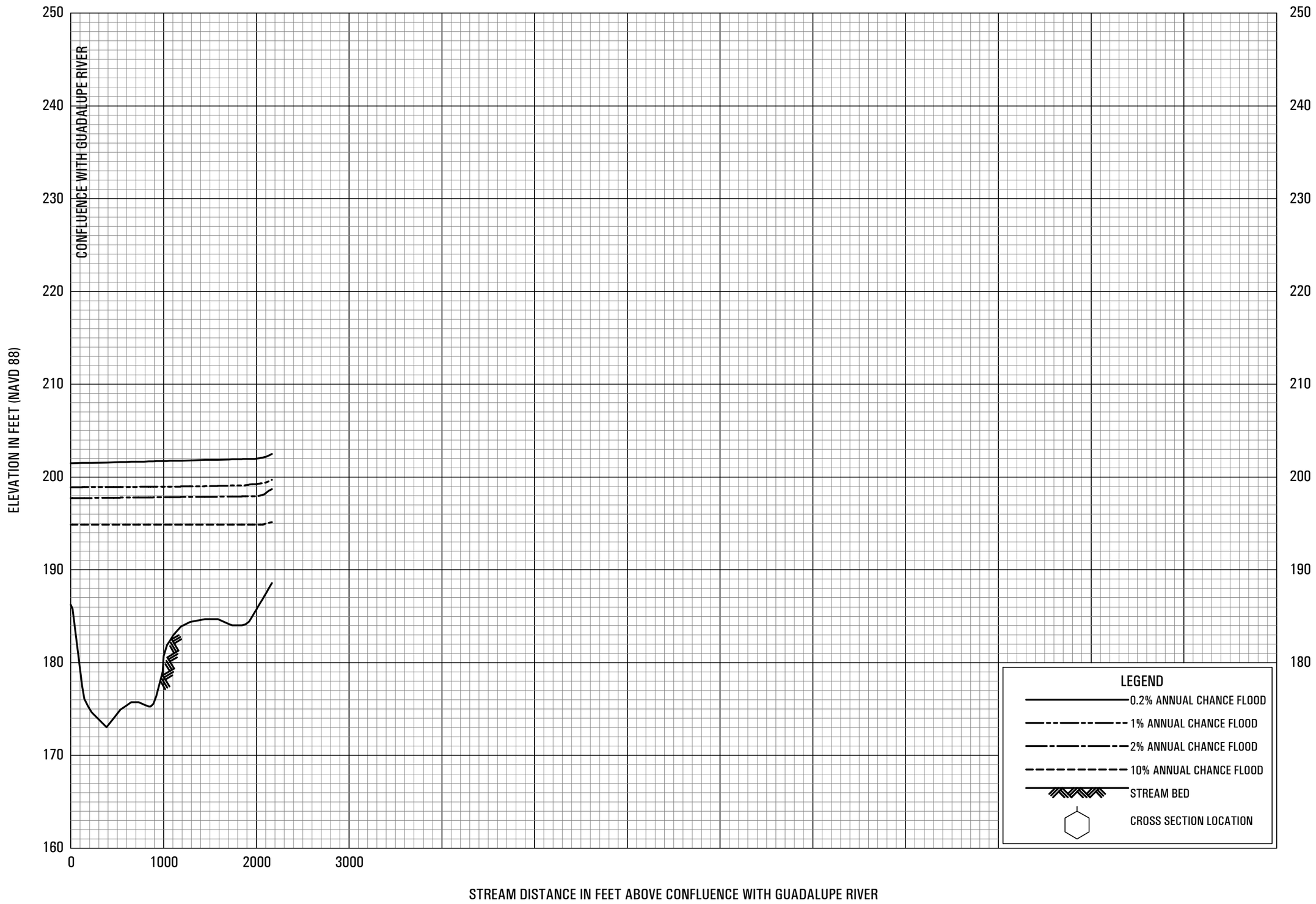
ADOBE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

08P



FLOOD PROFILES

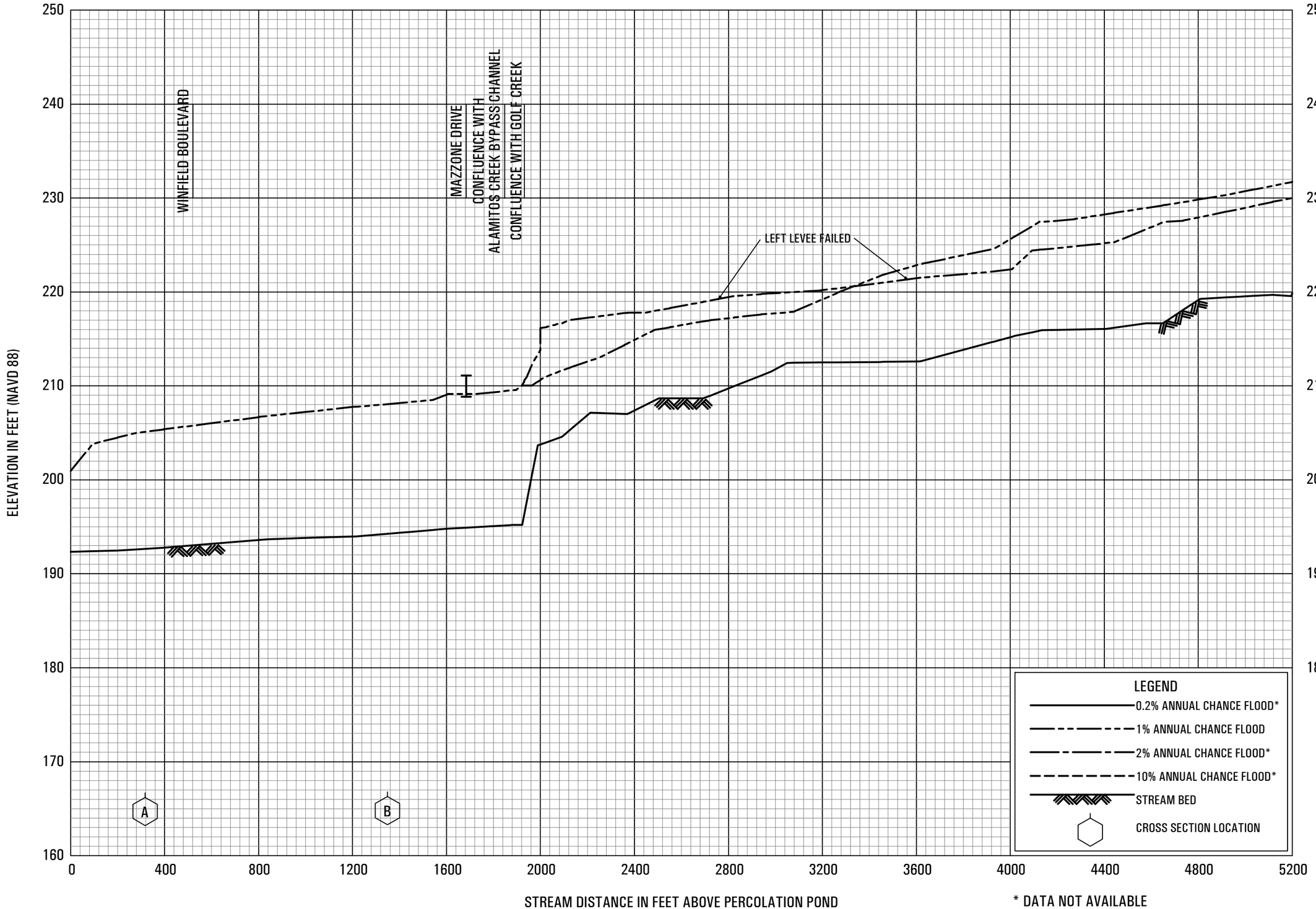
ALAMITOS CREEK (ABOVE GUADALUPE RIVER)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

09P



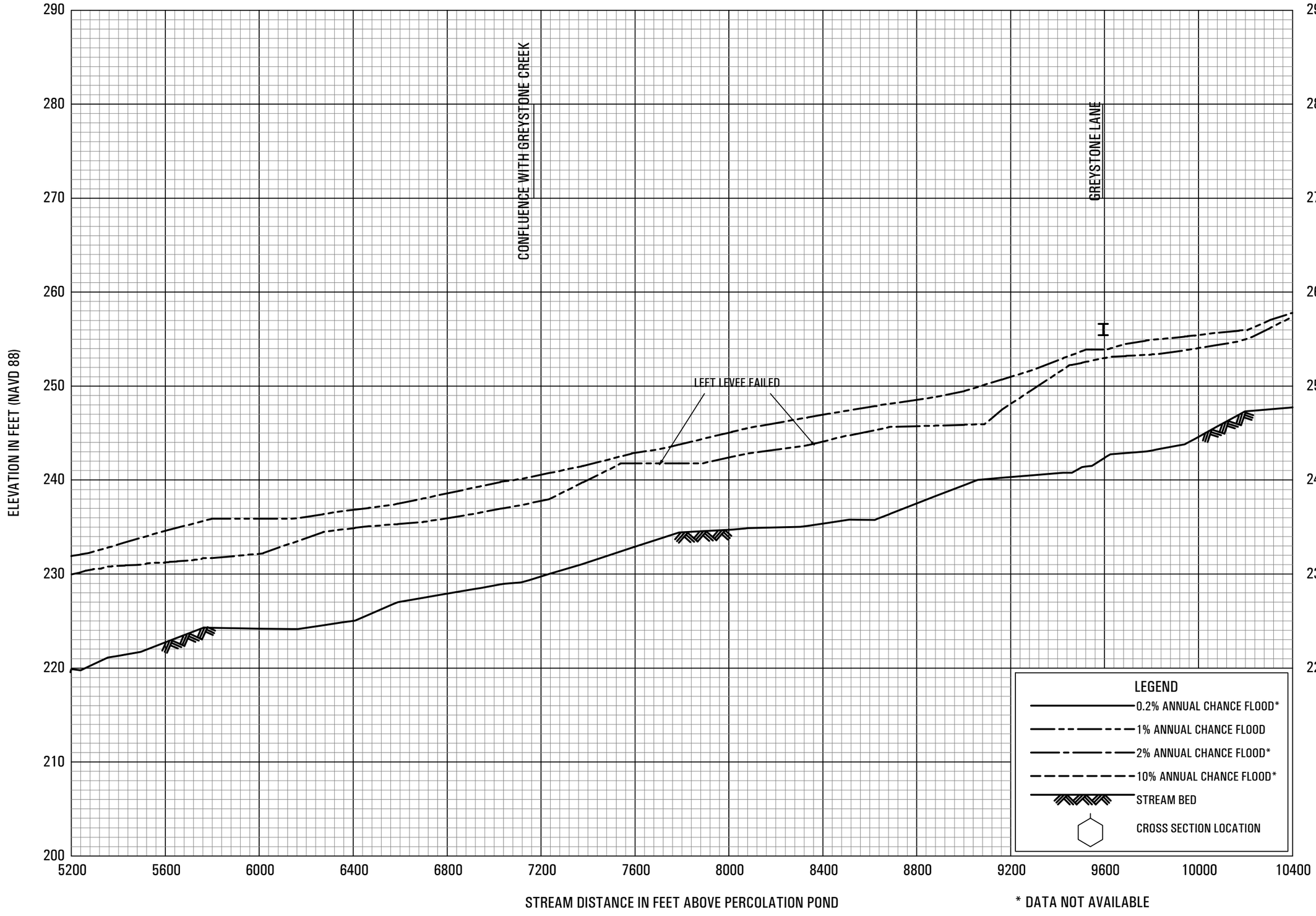
FLOOD PROFILES

ALAMITOS CREEK (ABOVE PERCOLATION POND)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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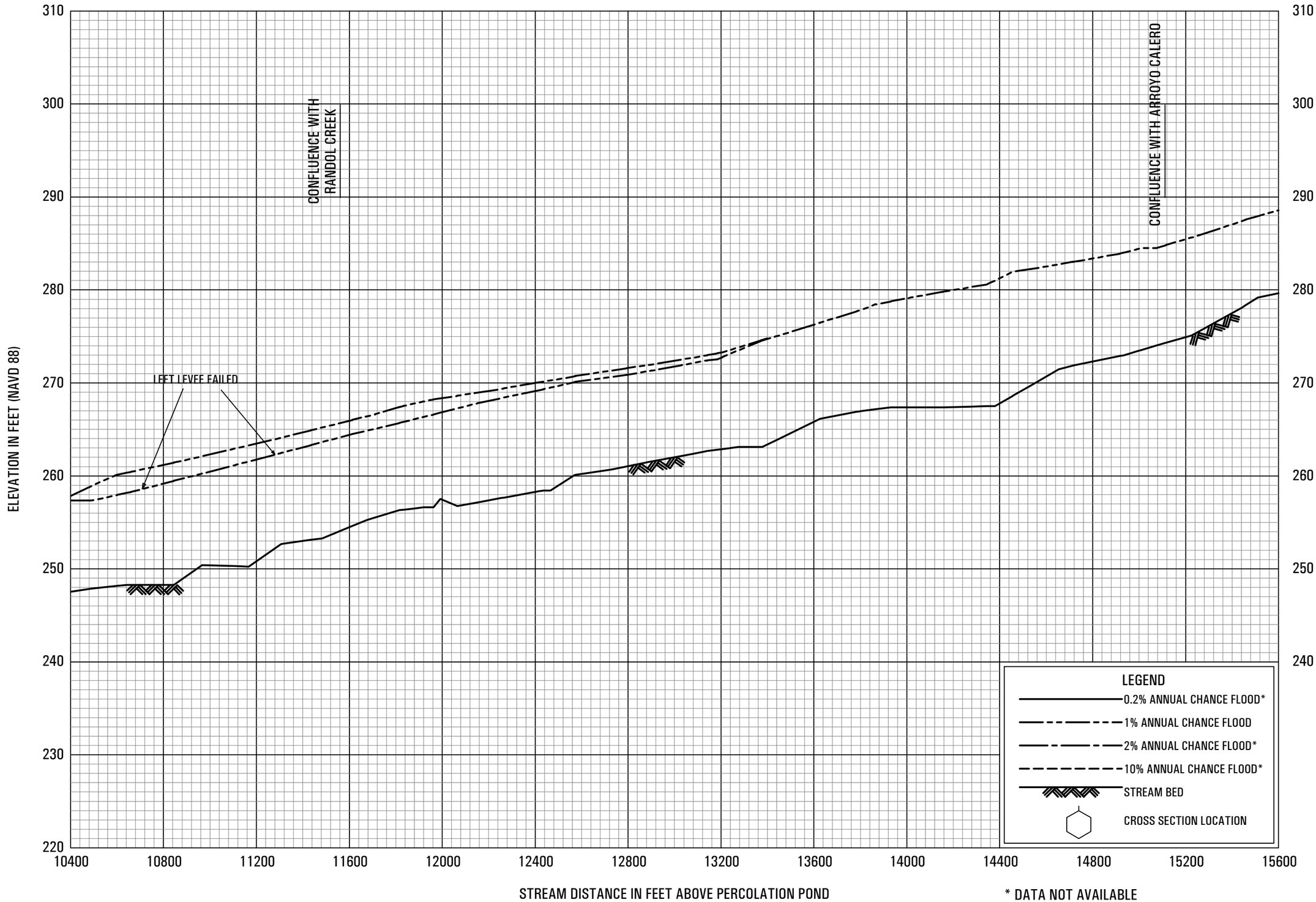
FLOOD PROFILES

ALAMITOS CREEK (ABOVE PERCOLATION POND)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



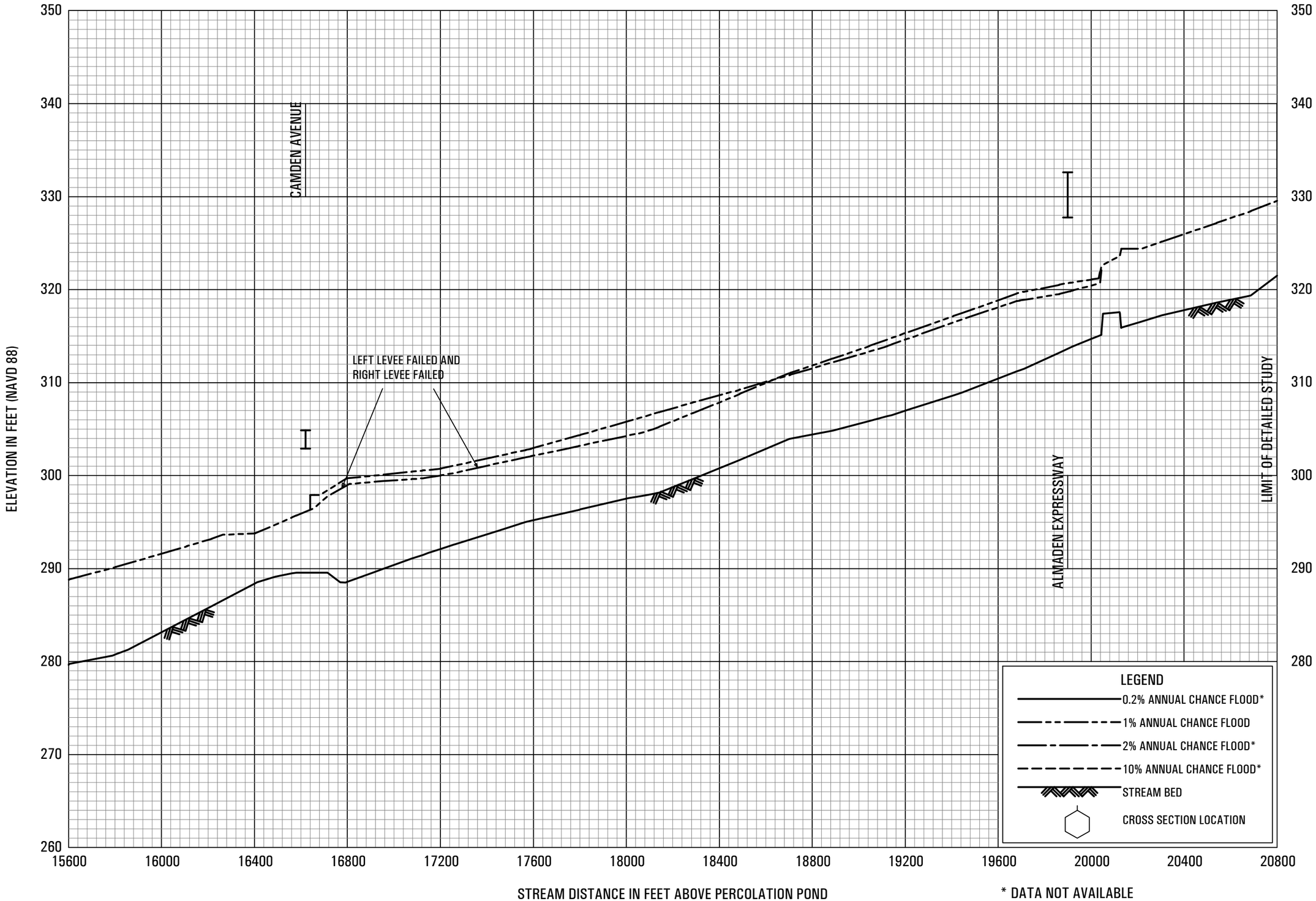
FLOOD PROFILES

ALAMITOS CREEK (ABOVE PERCOLATION POND)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



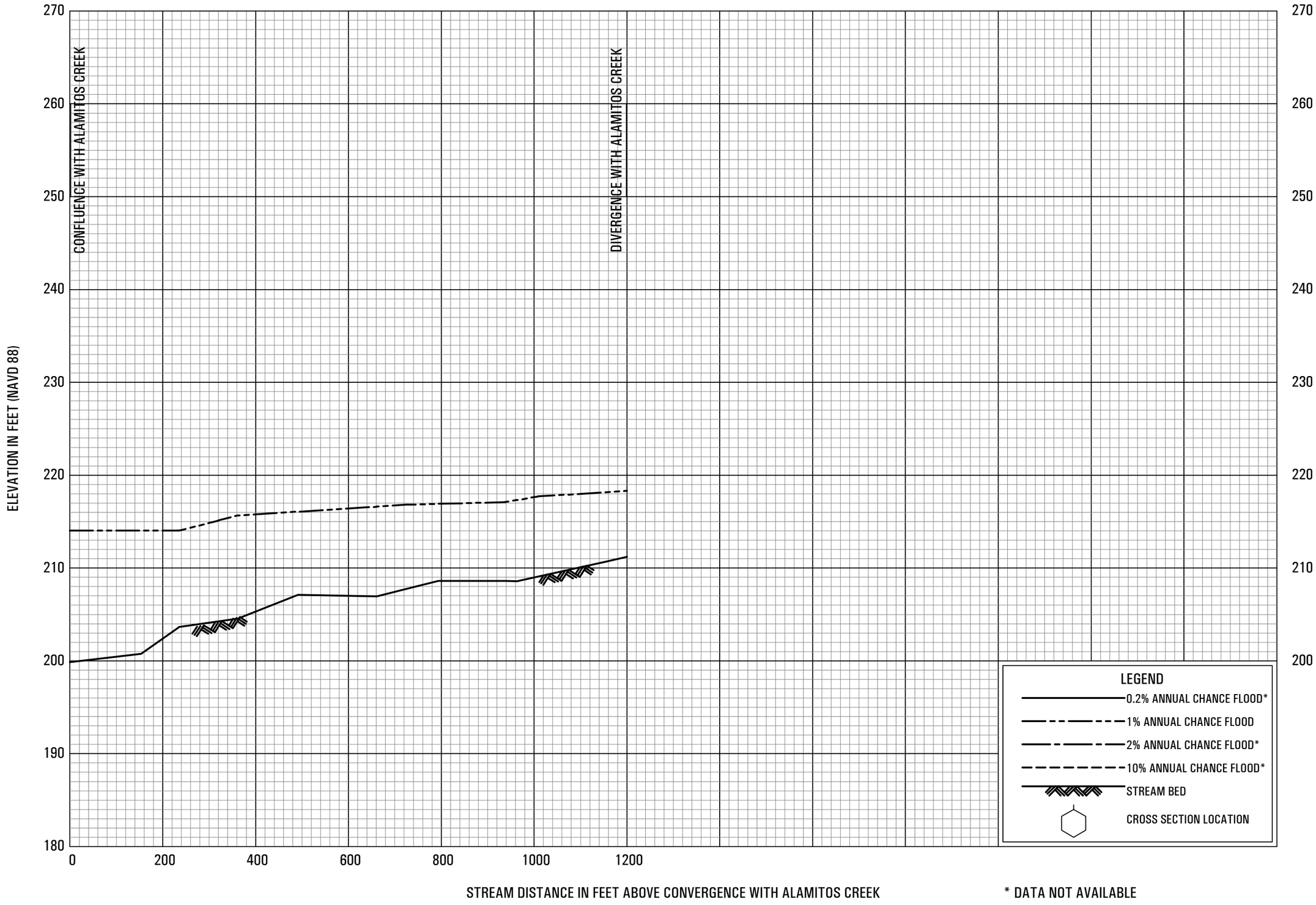
FLOOD PROFILES

ALAMITOS CREEK (ABOVE PERCOLATION POND)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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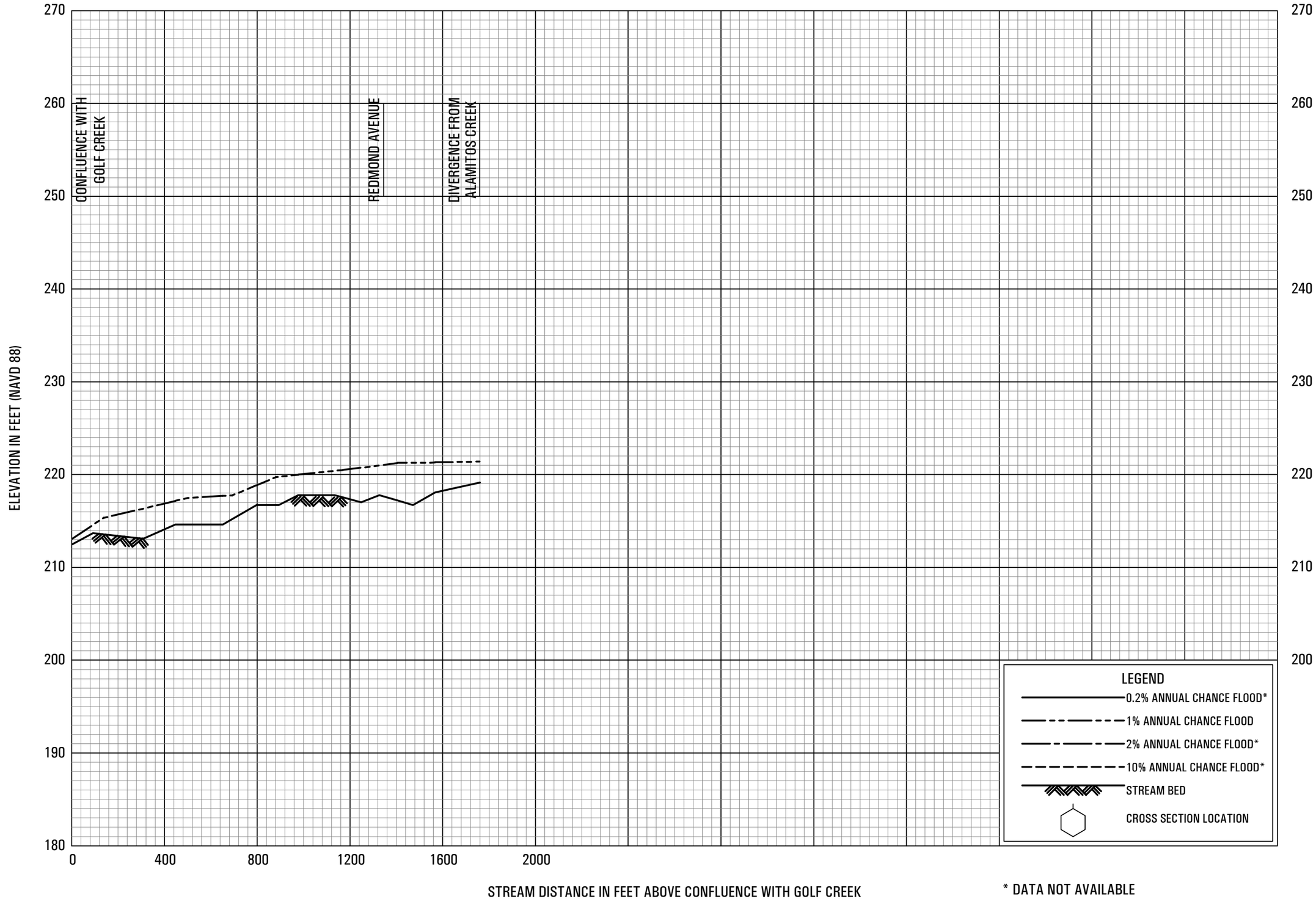
FLOOD PROFILES

ALAMITOS CREEK BYPASS CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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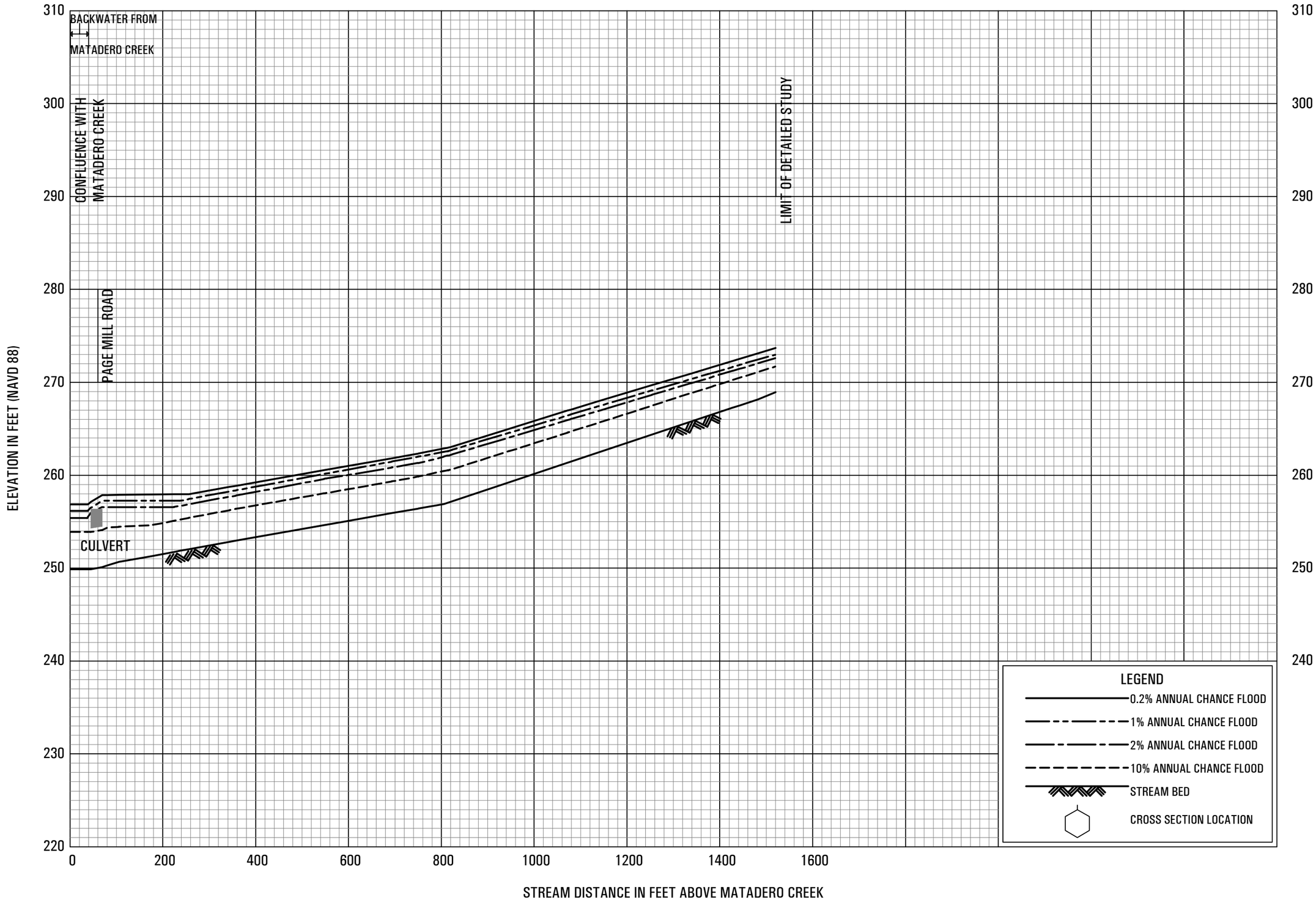
FLOOD PROFILES

ALAMITOS CREEK OVERFLOW AREA

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



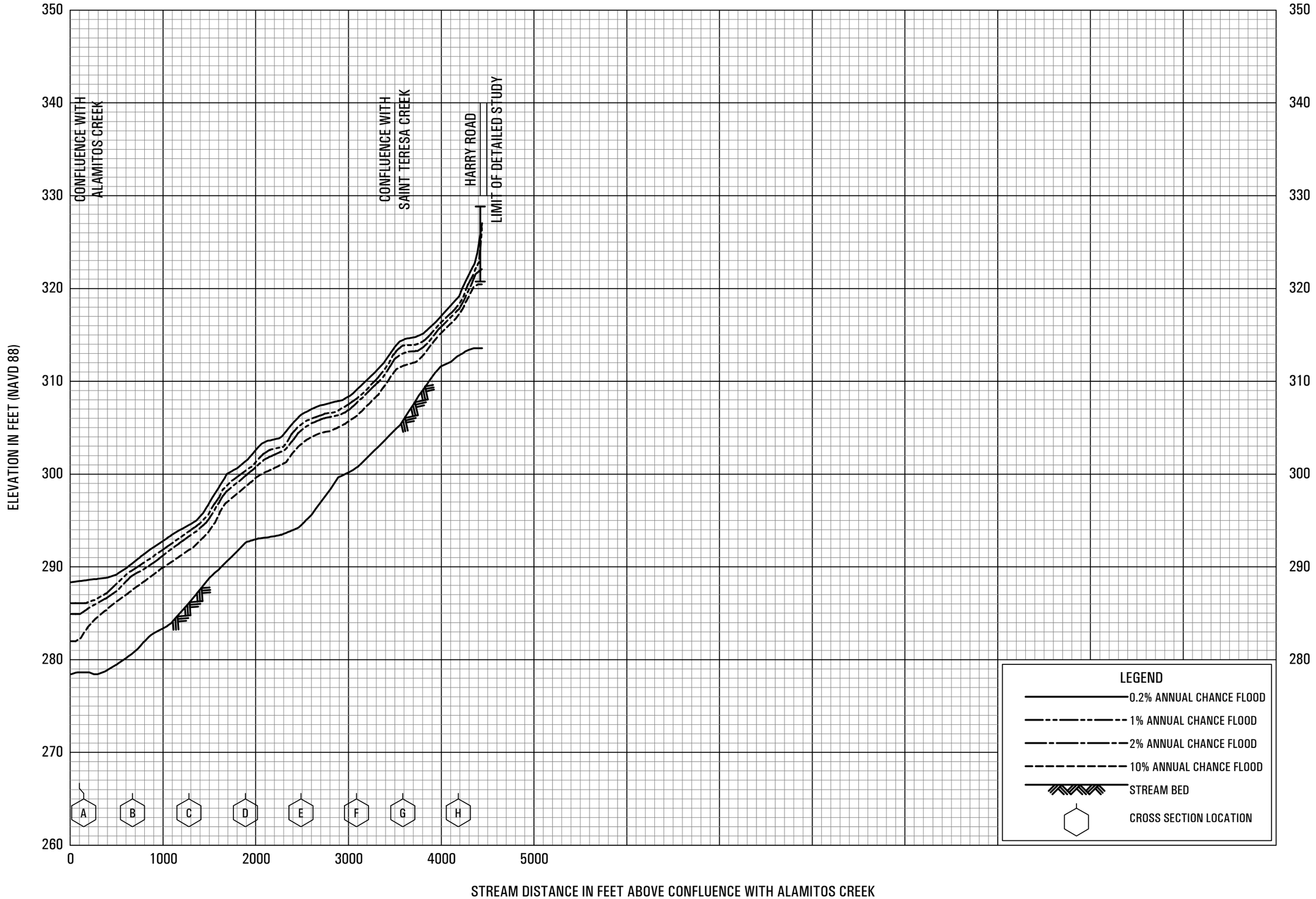
FLOOD PROFILES

ARASTRADERO CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



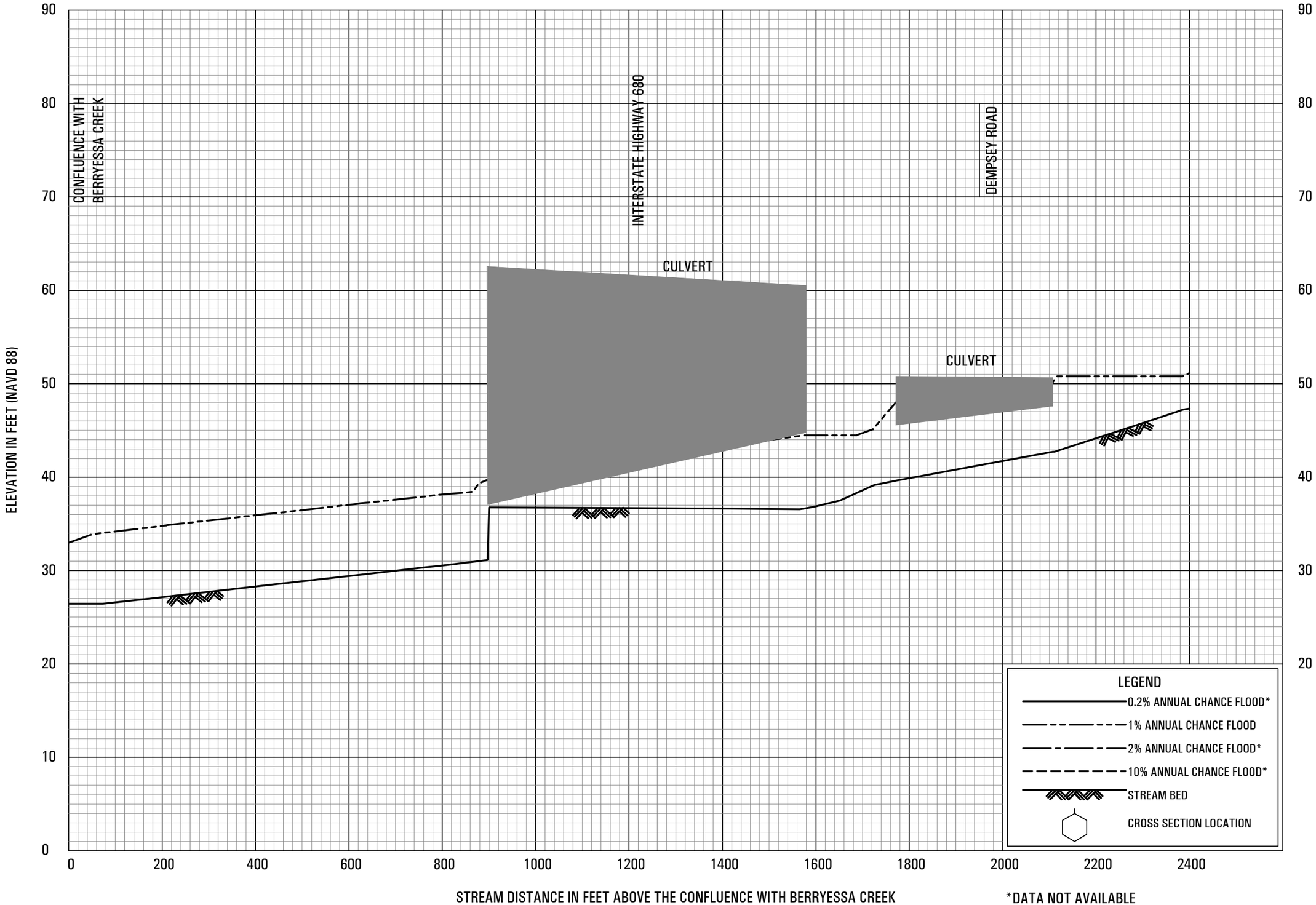
FLOOD PROFILES

ARROYO CALERO

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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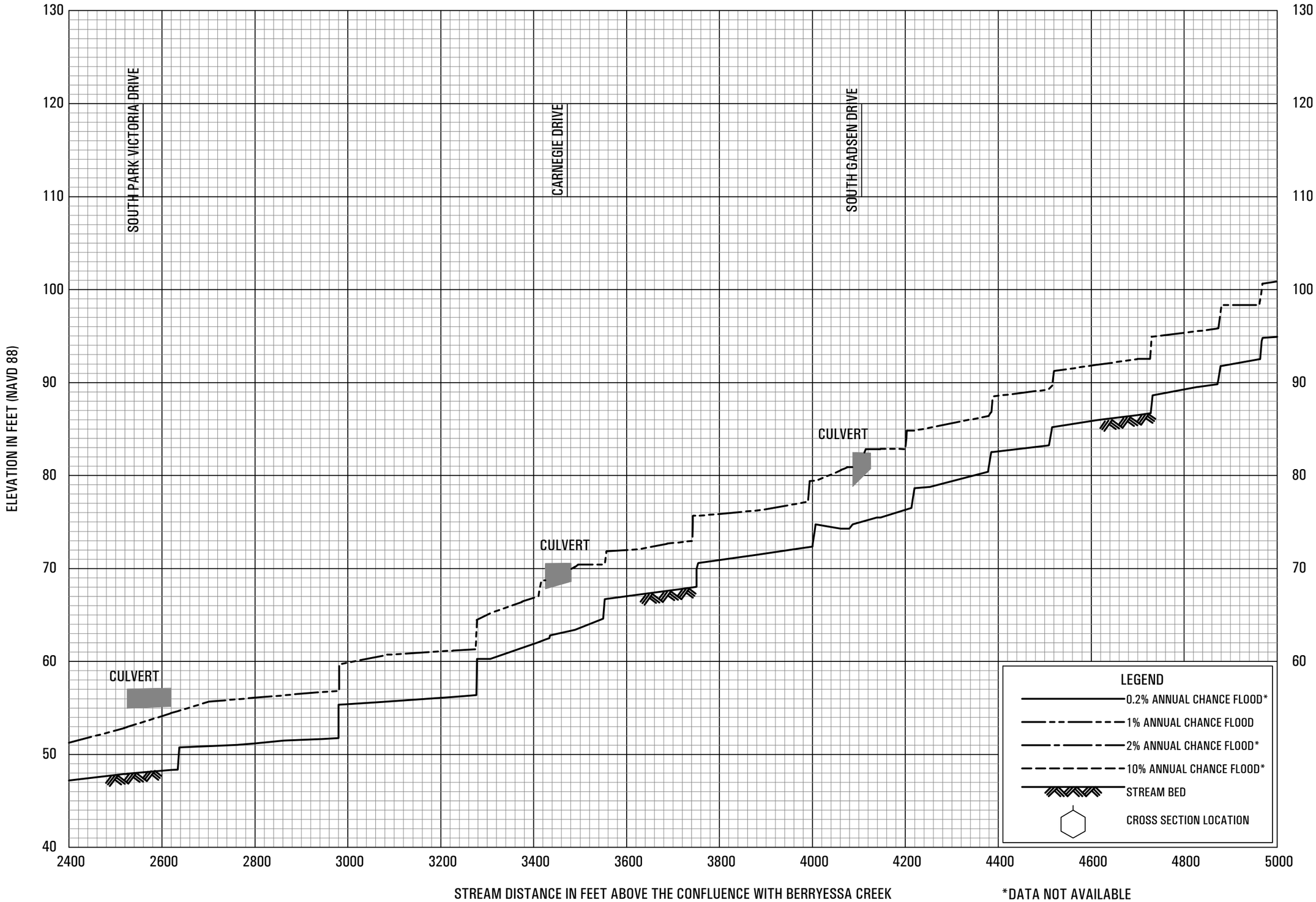
FLOOD PROFILES

ARROYO DE LOS COCHES

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



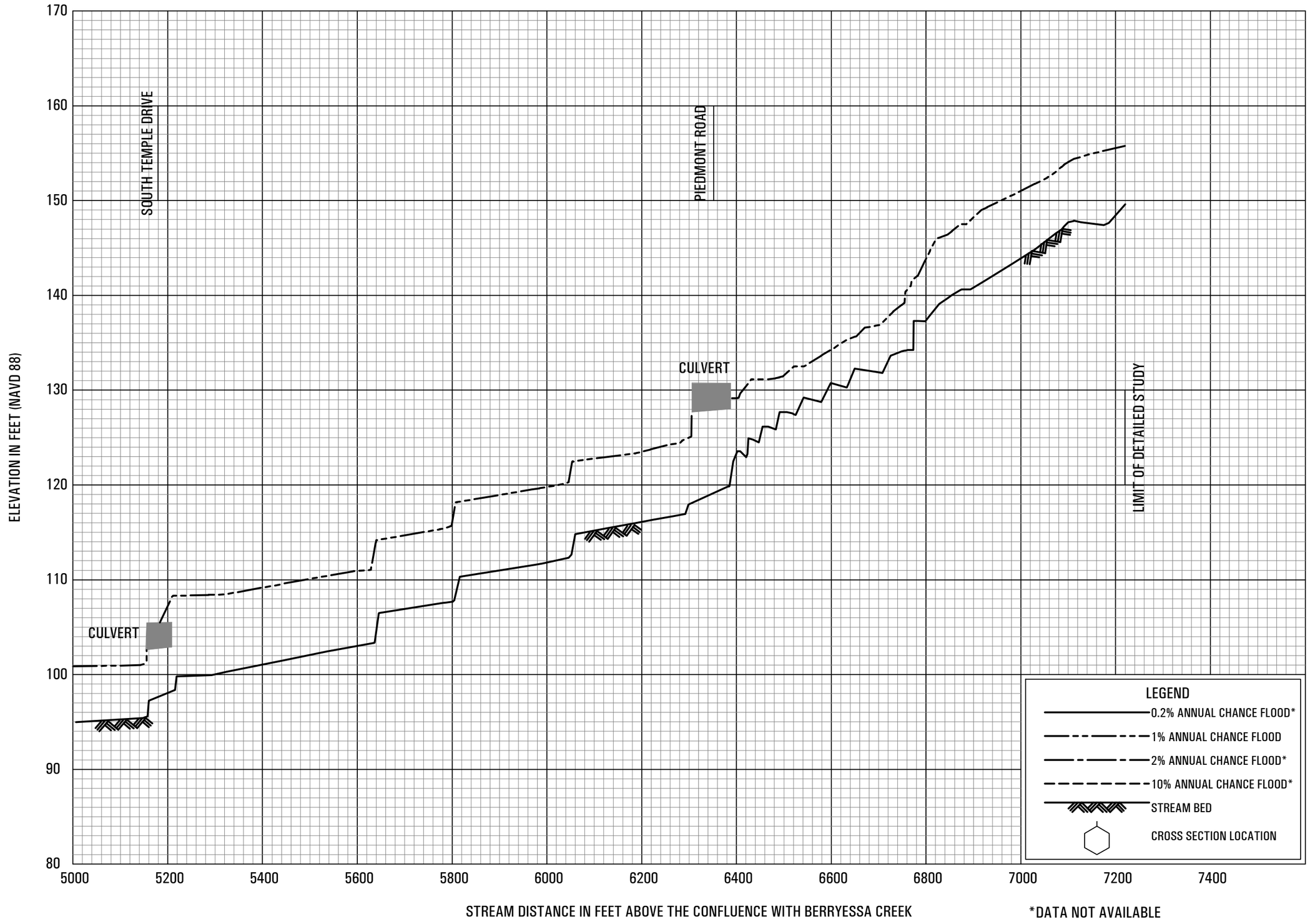
FLOOD PROFILES

ARROYO DE LOS COCHES

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



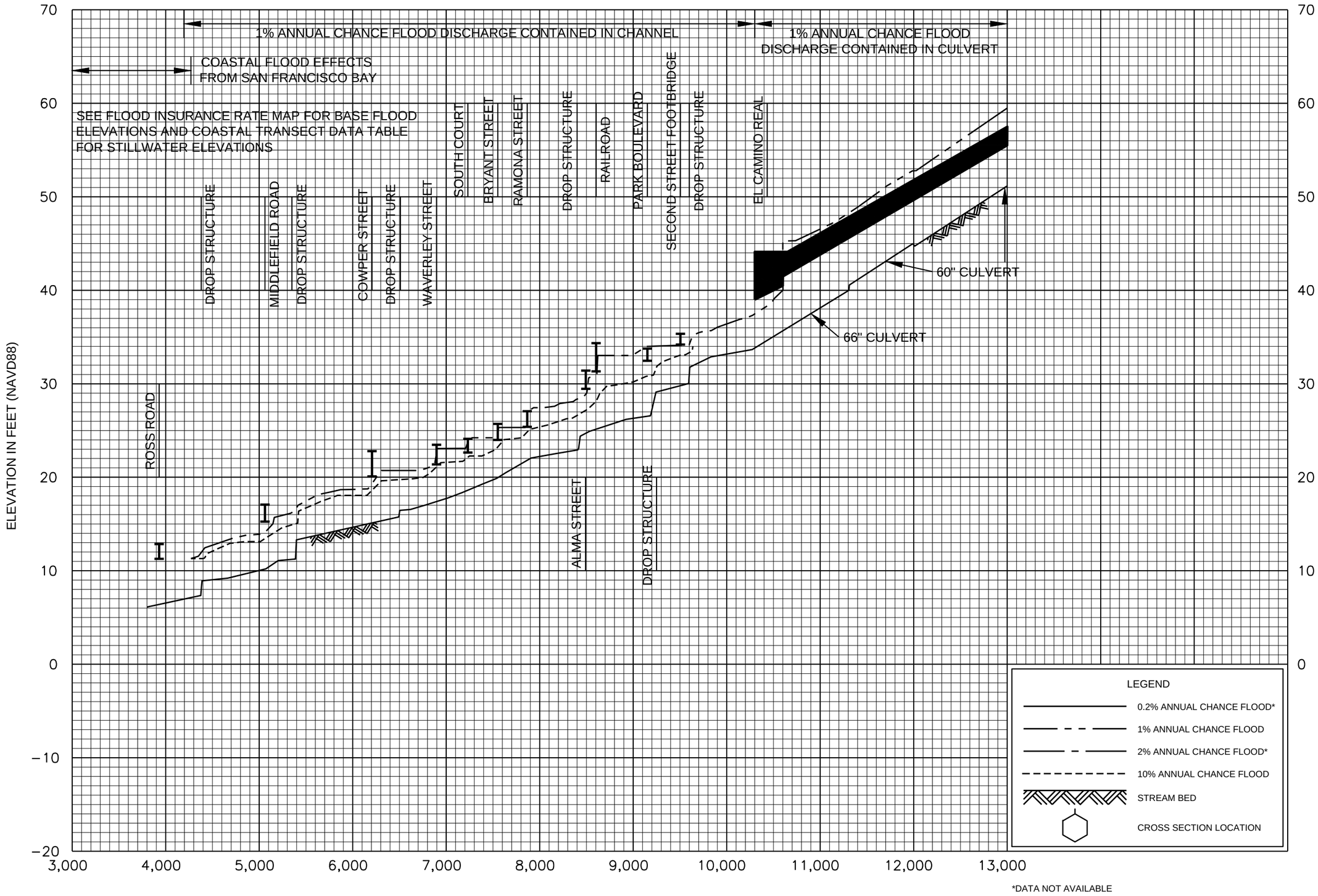
FLOOD PROFILES

ARROYO DE LOS COCHES

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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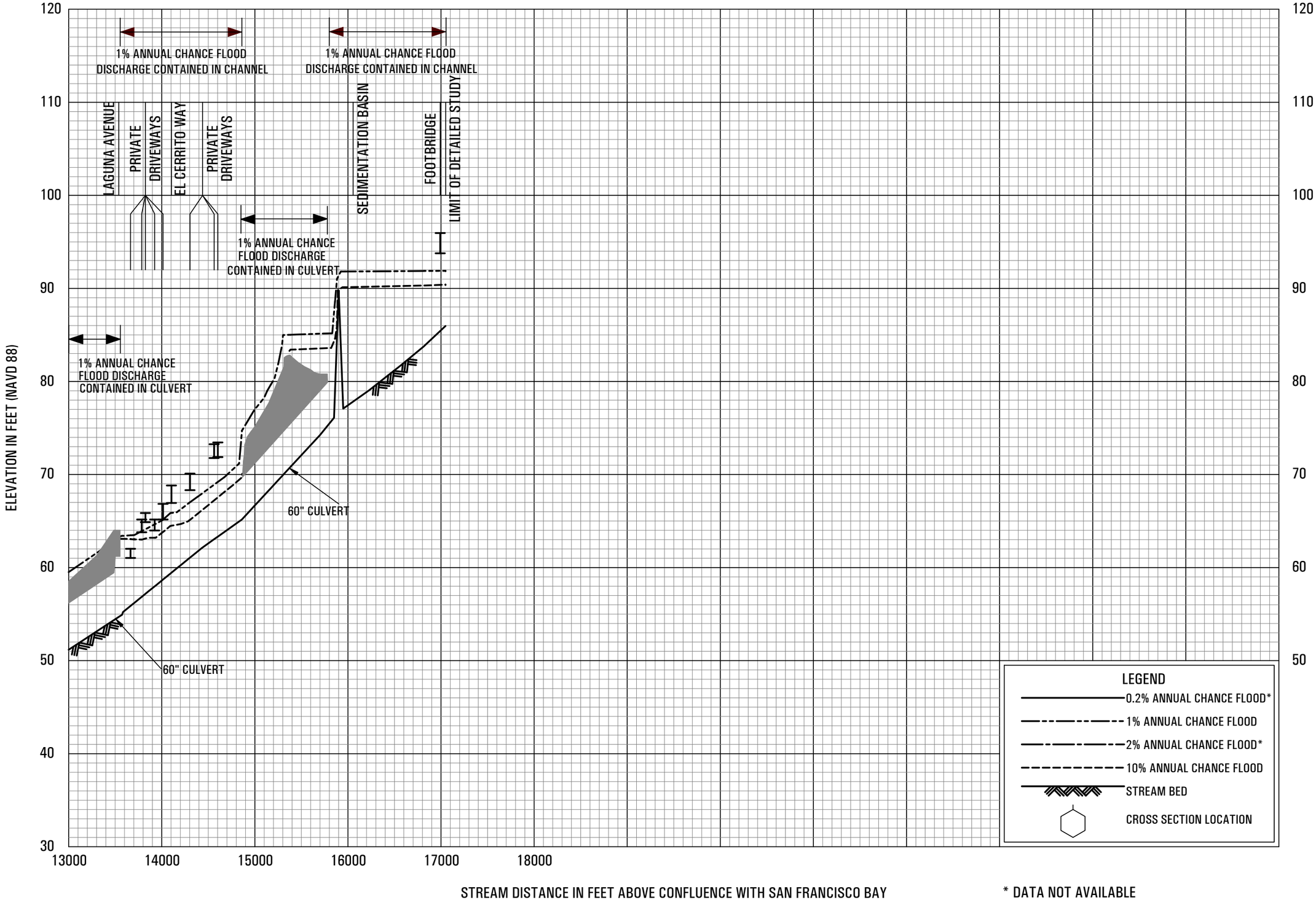
FLOOD PROFILES

BARRON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH SAN FRANCISCO BAY

* DATA NOT AVAILABLE

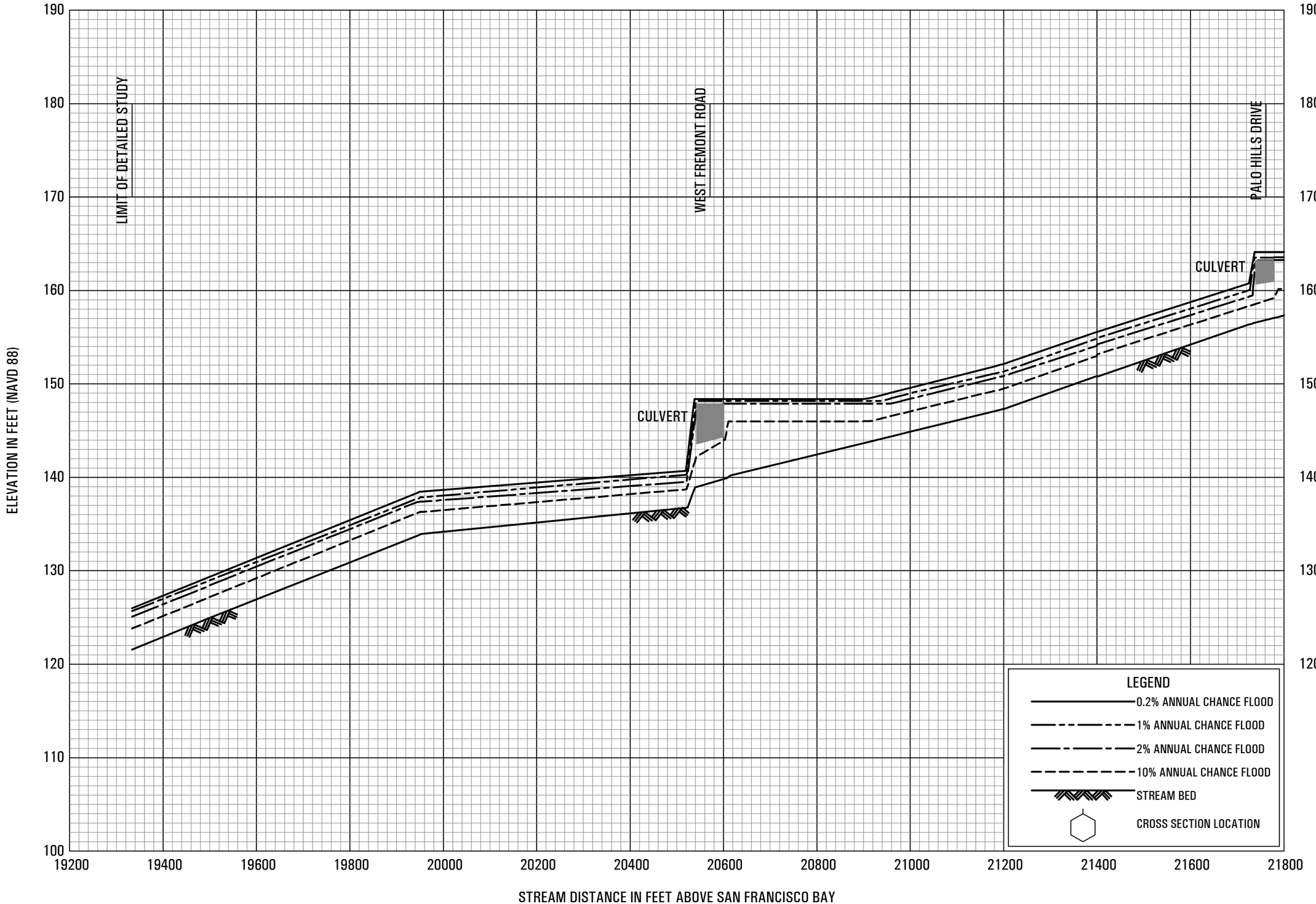
FLOOD PROFILES

BARRON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



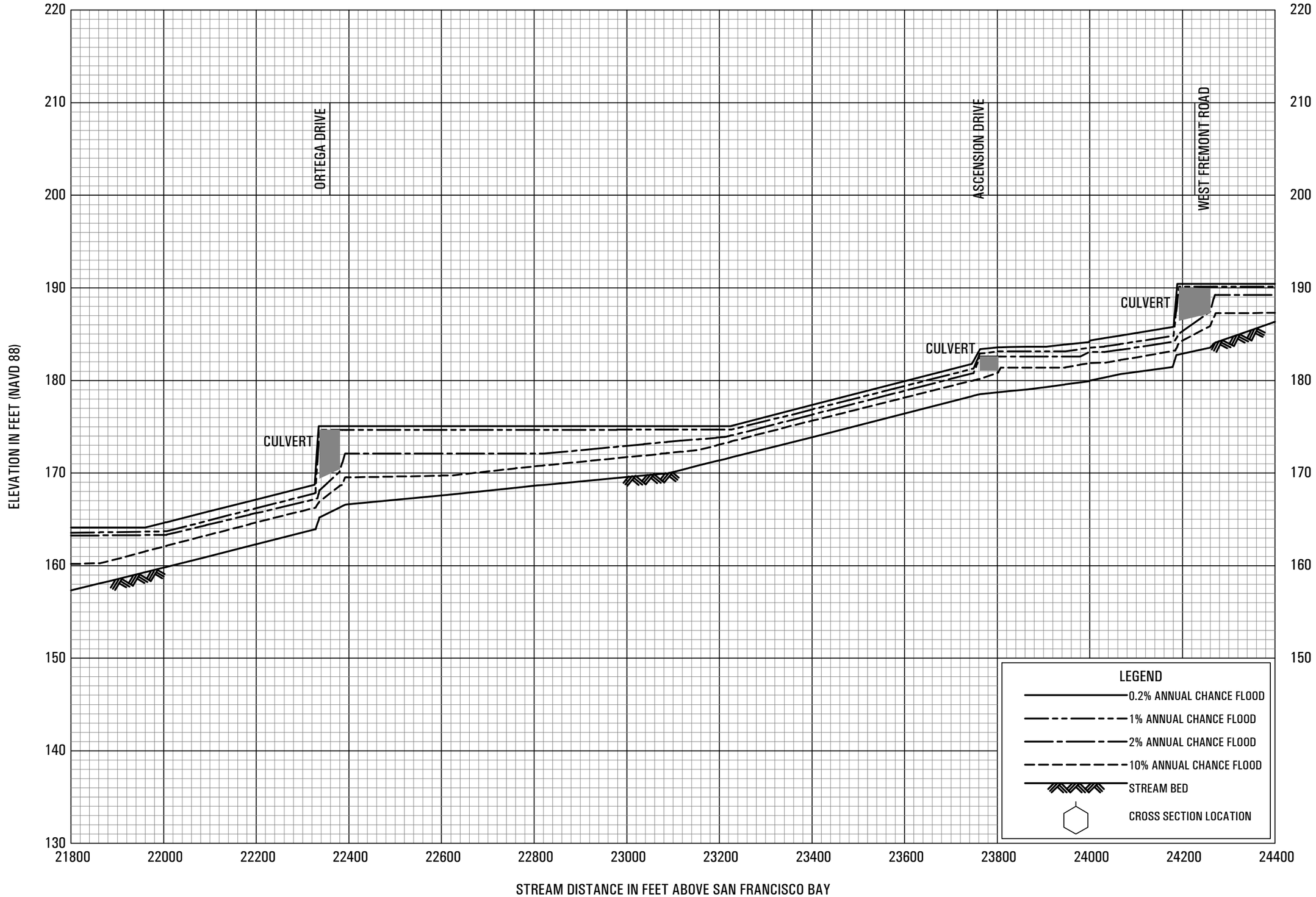
FLOOD PROFILES

BARRON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



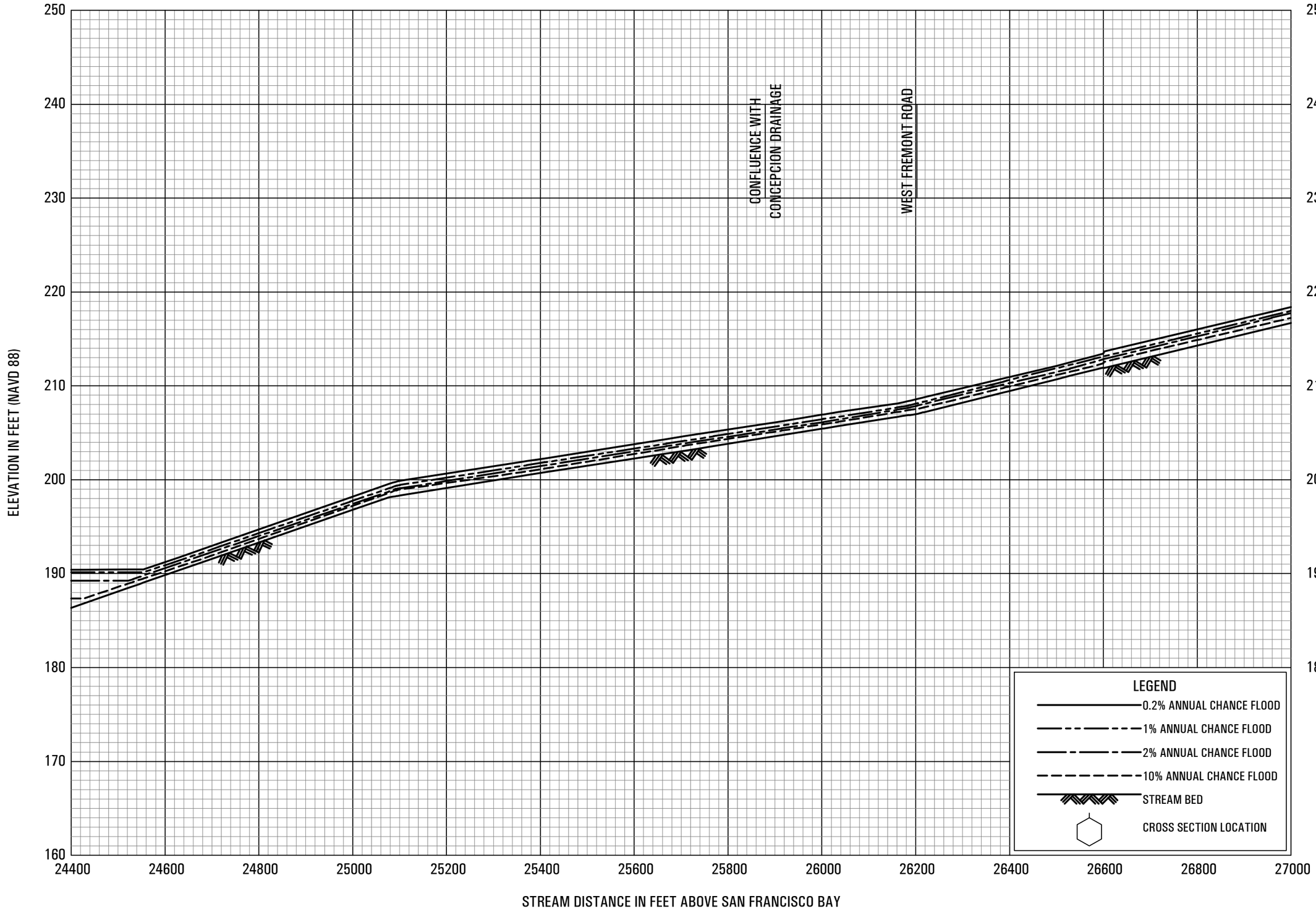
FLOOD PROFILES

BARRON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



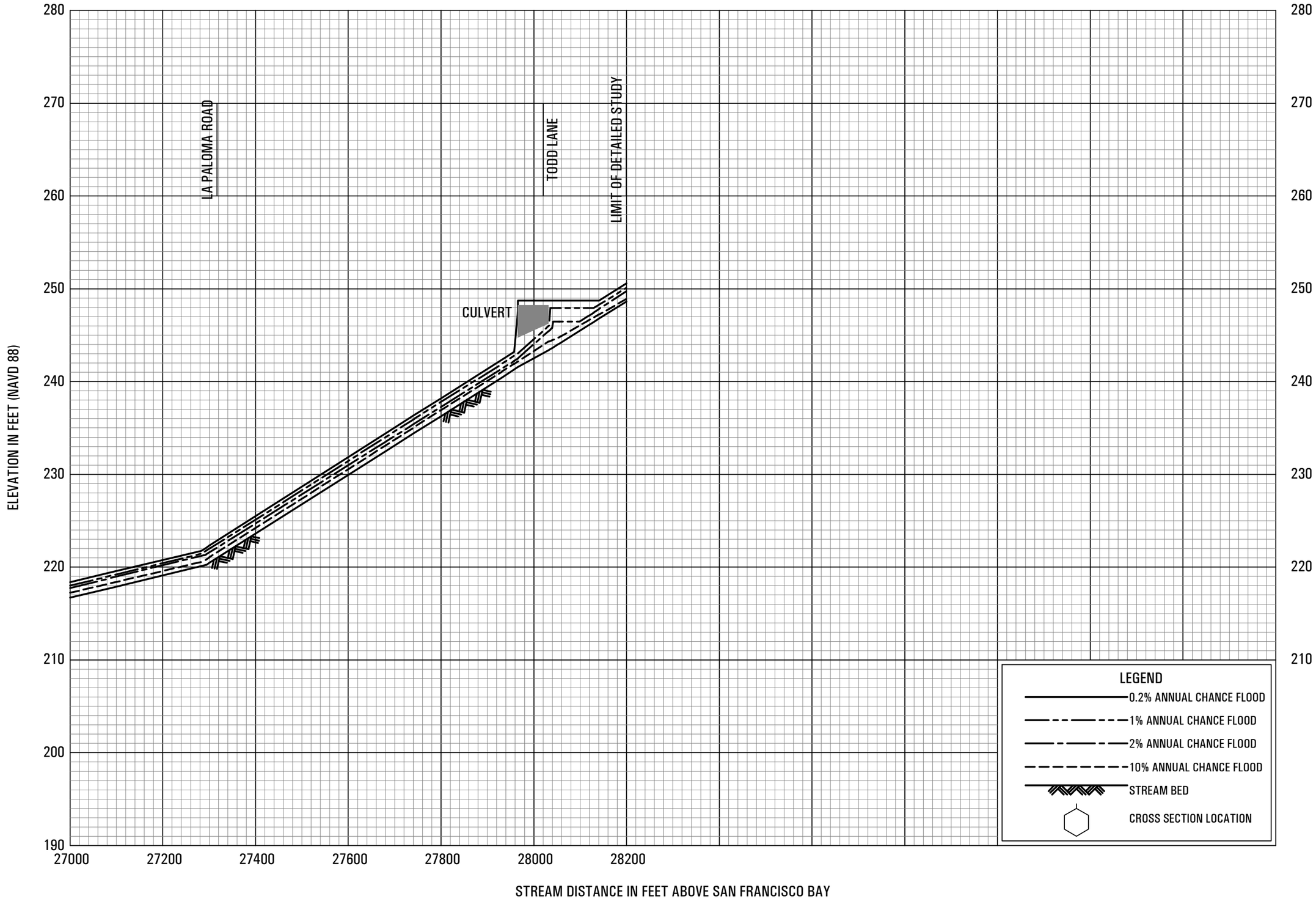
FLOOD PROFILES

BARRON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



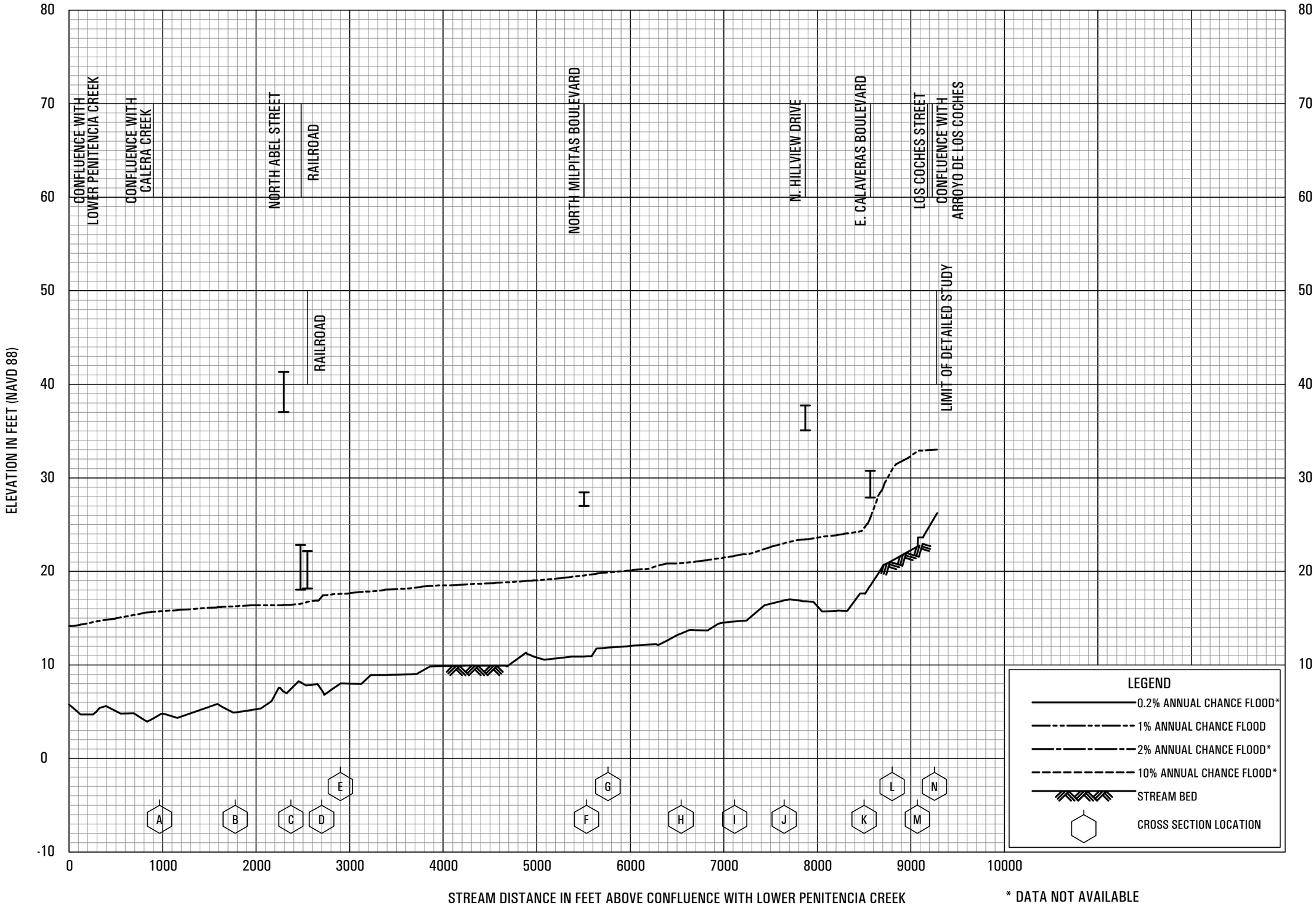
FLOOD PROFILES

BARRON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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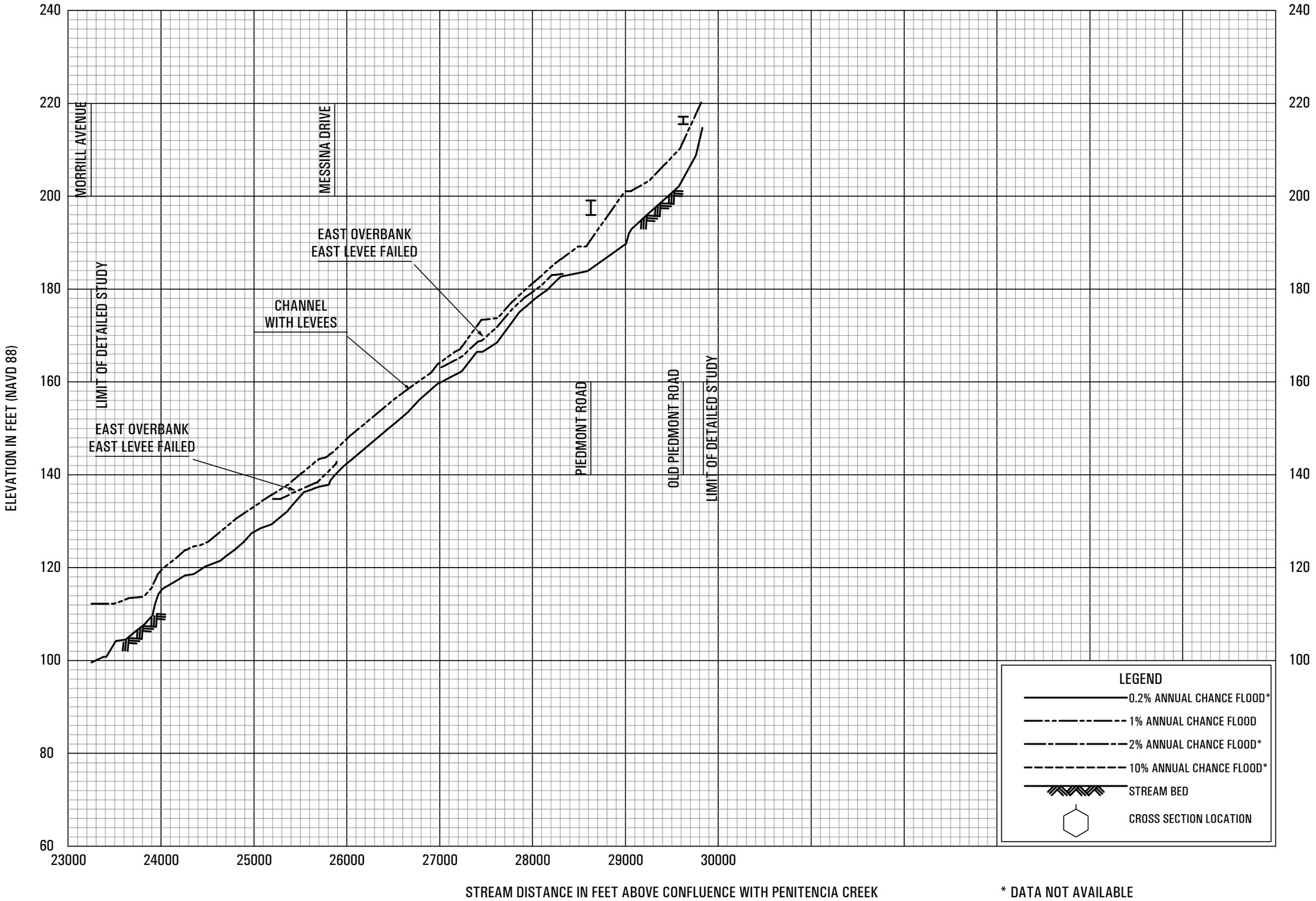
FLOOD PROFILES

BERRYESSA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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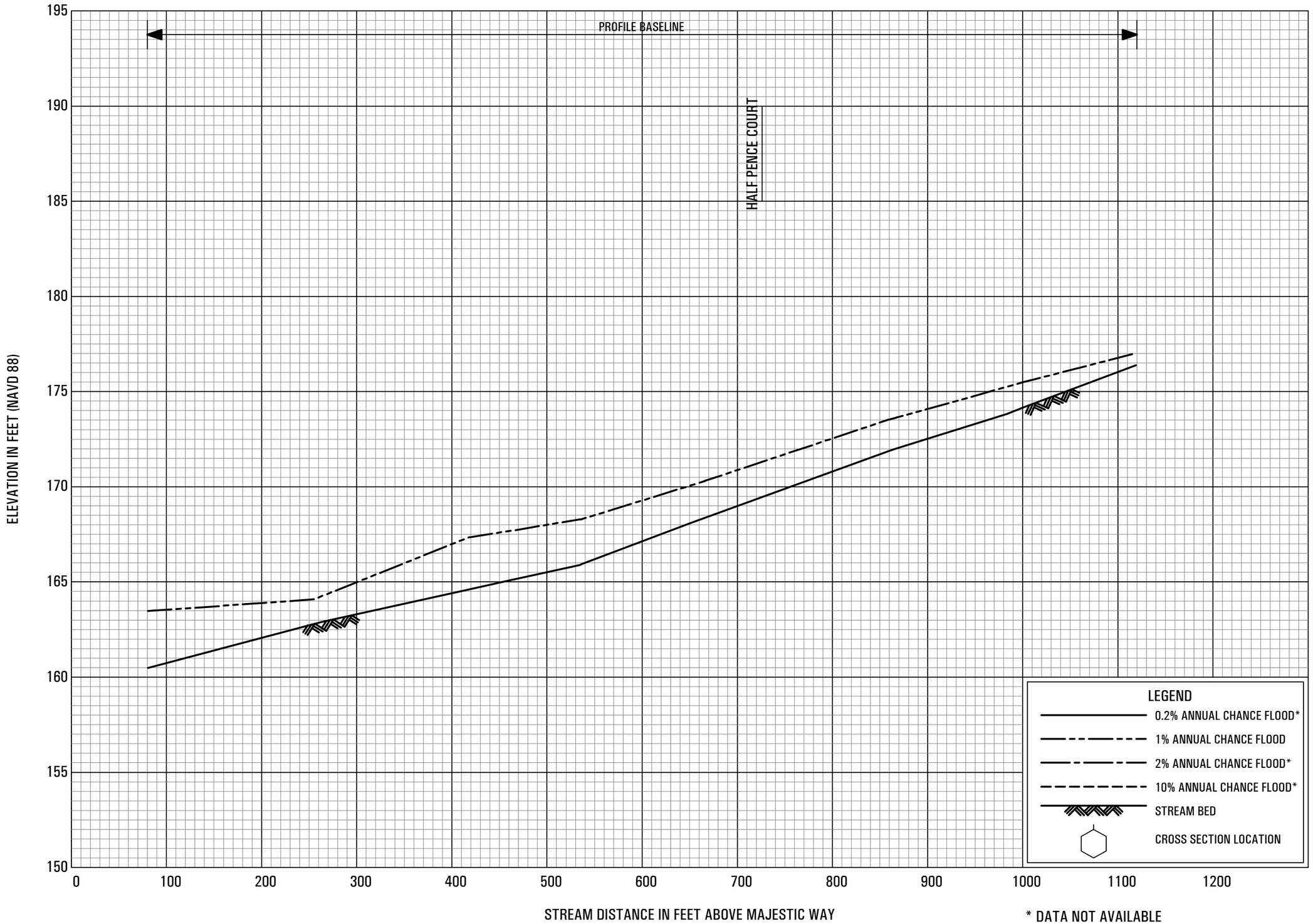
FLOOD PROFILES

BERRYESSA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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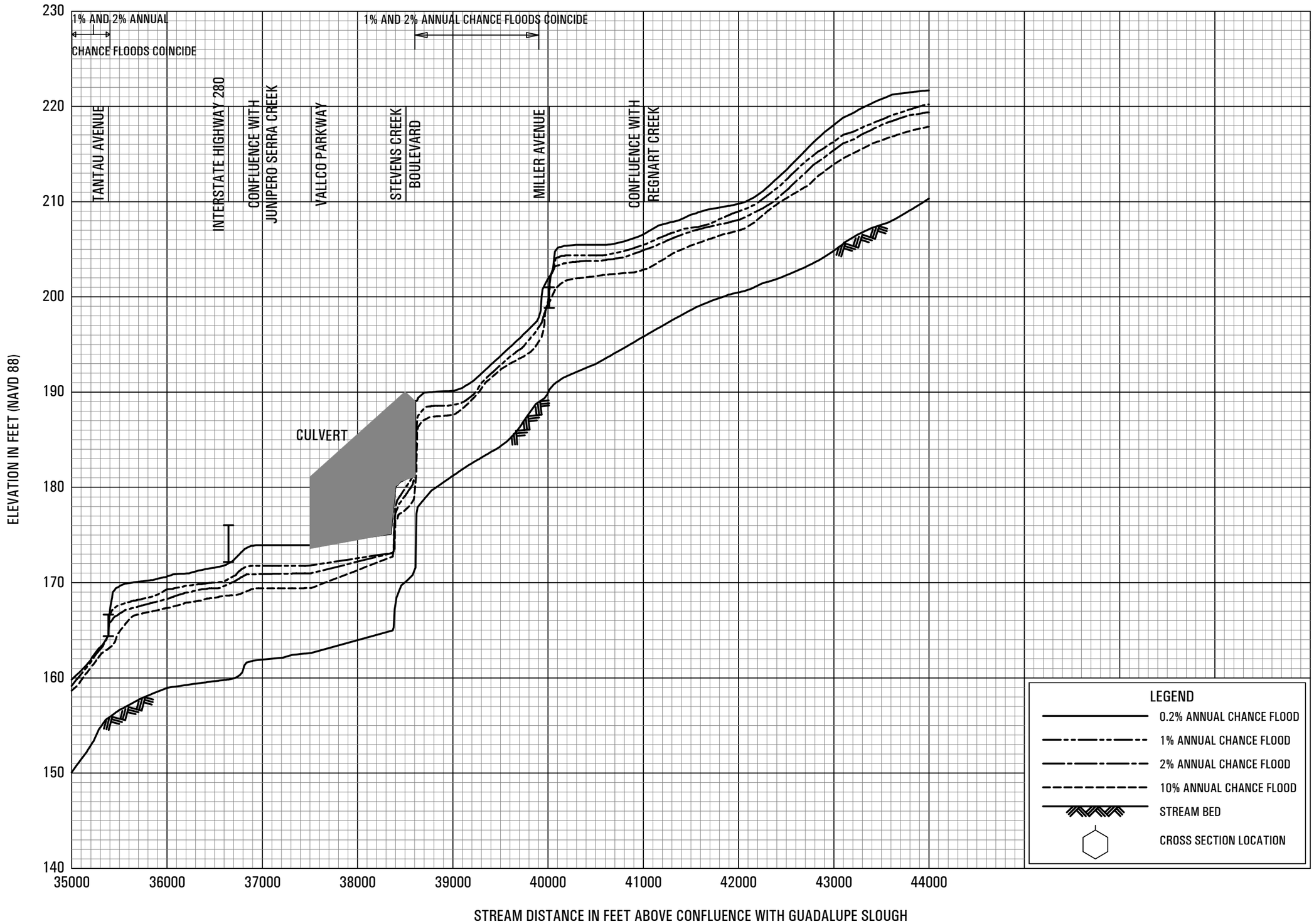
FLOOD PROFILES

BERRYESSA CREEK - EAST OVERBANK SPILL

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



FLOOD PROFILES

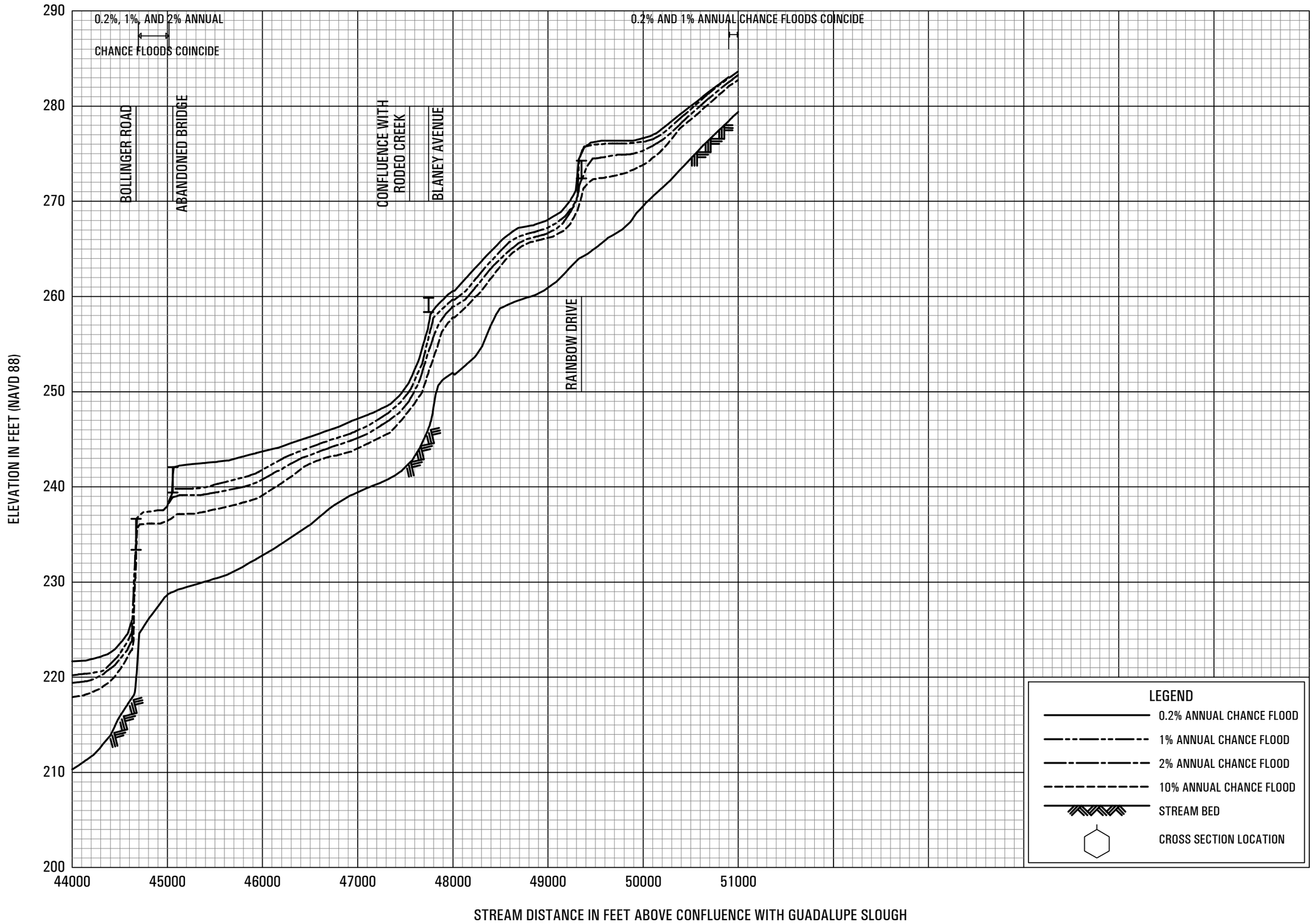
CALABAZAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

30P



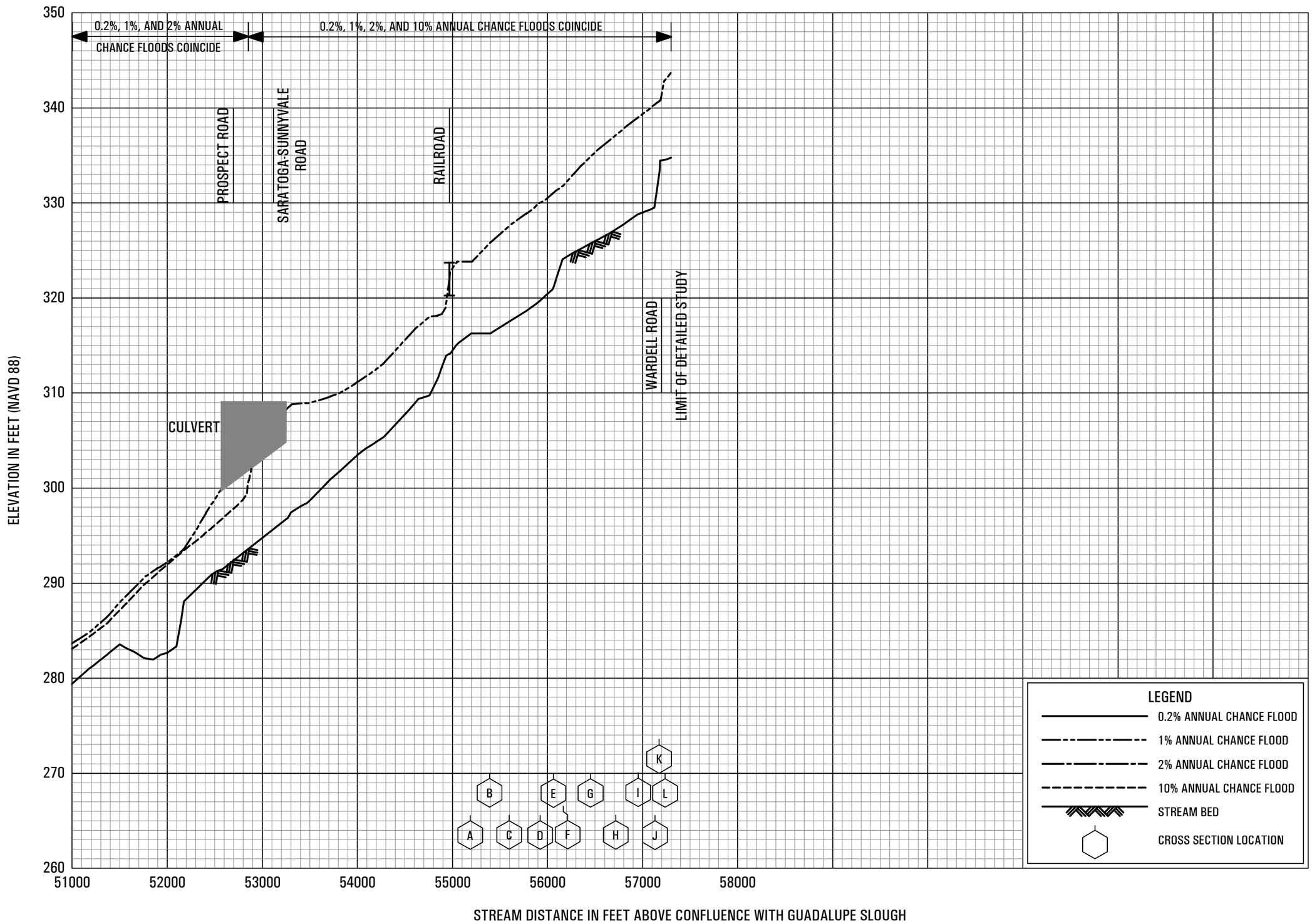
FLOOD PROFILES

CALABAZAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



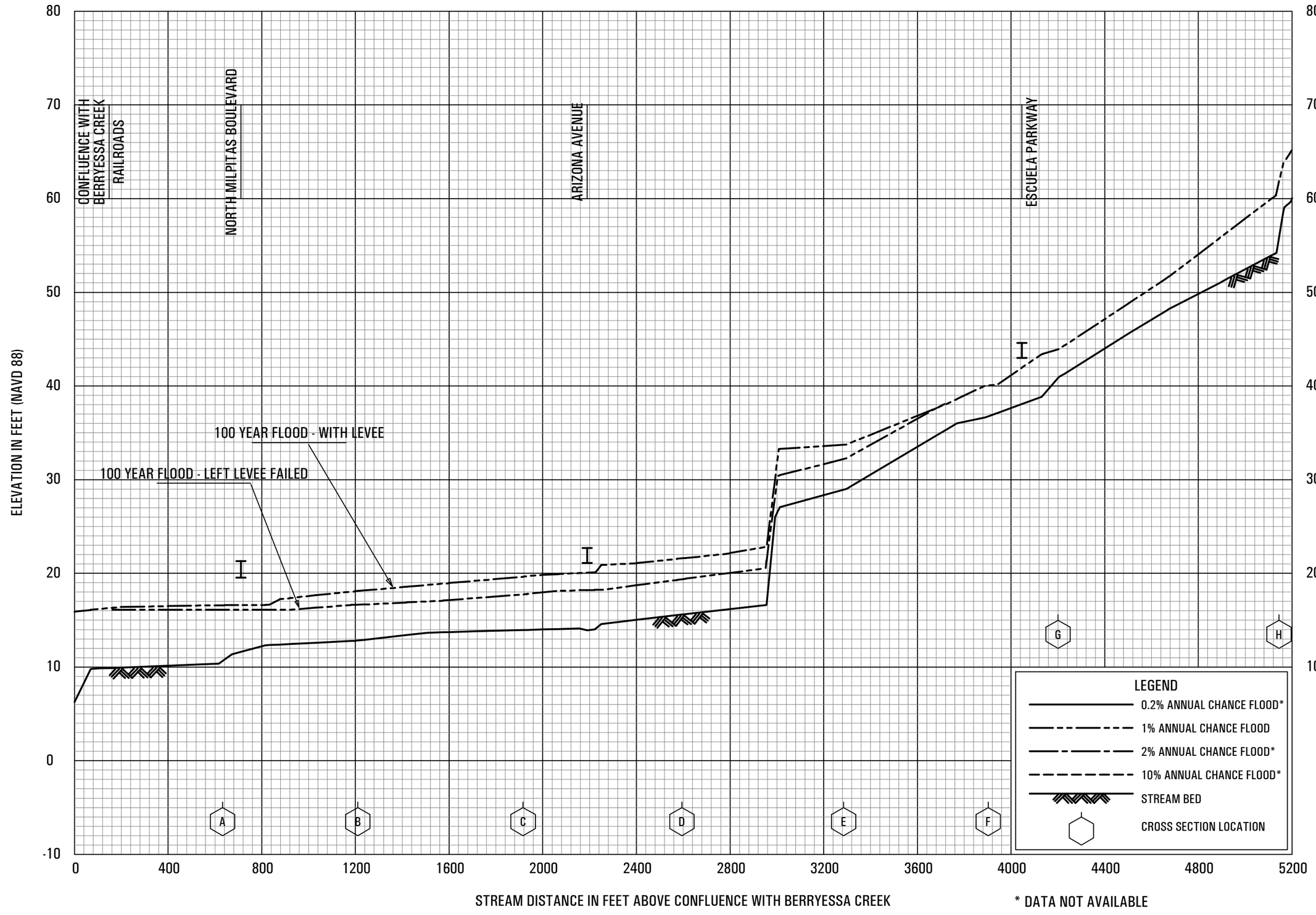
FLOOD PROFILES

CALABAZAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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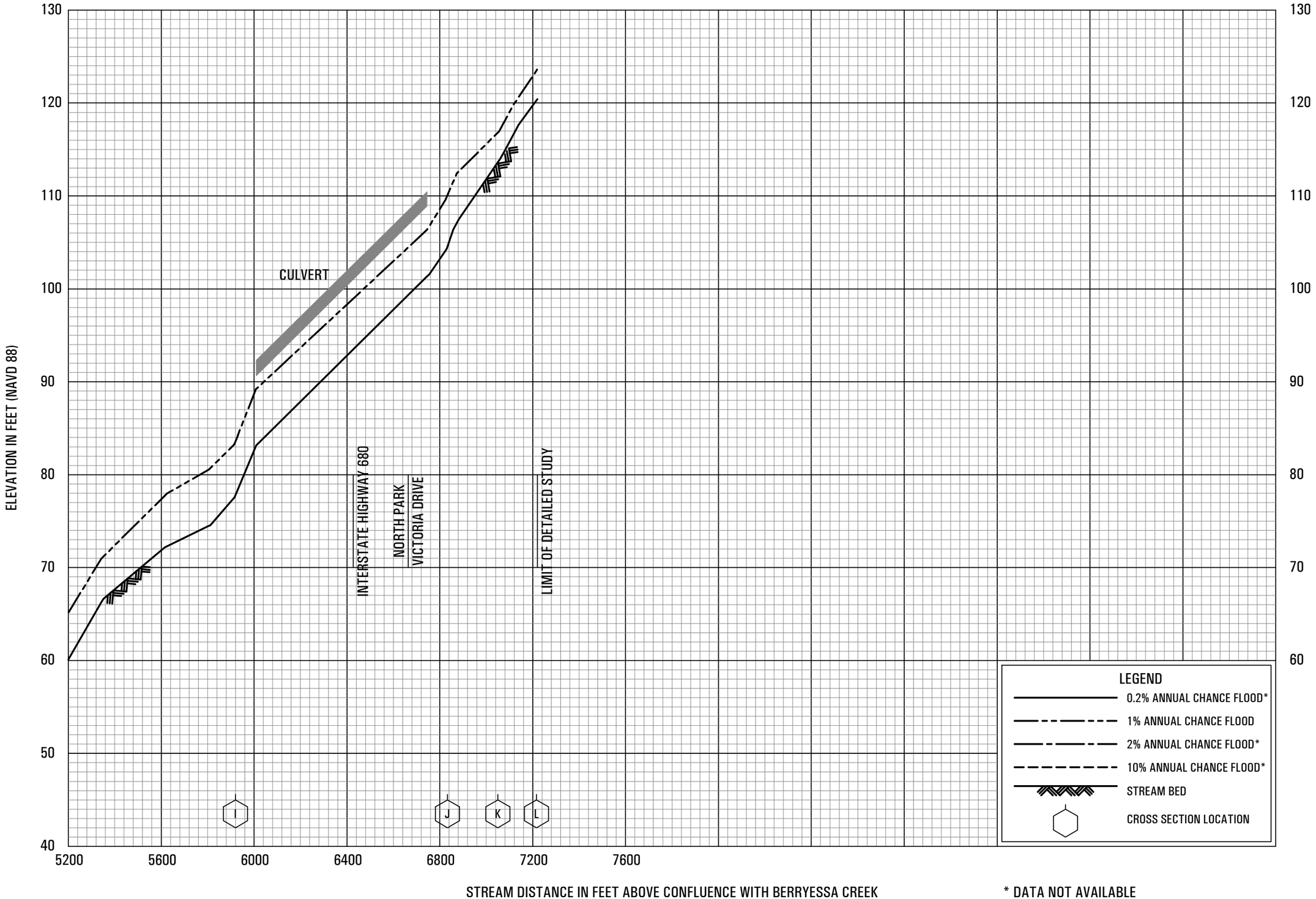
FLOOD PROFILES

CALERA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



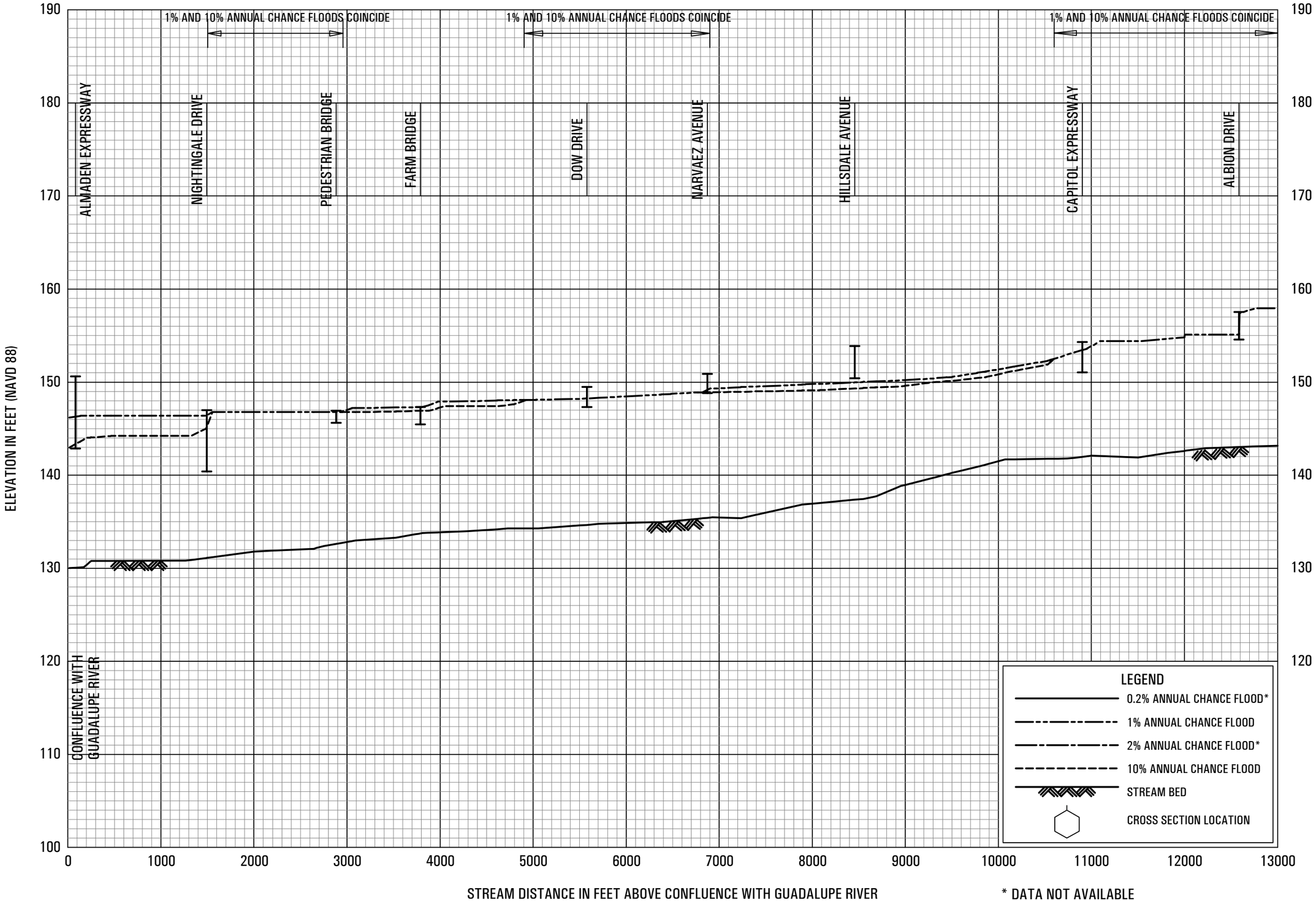
FLOOD PROFILES

CALERA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



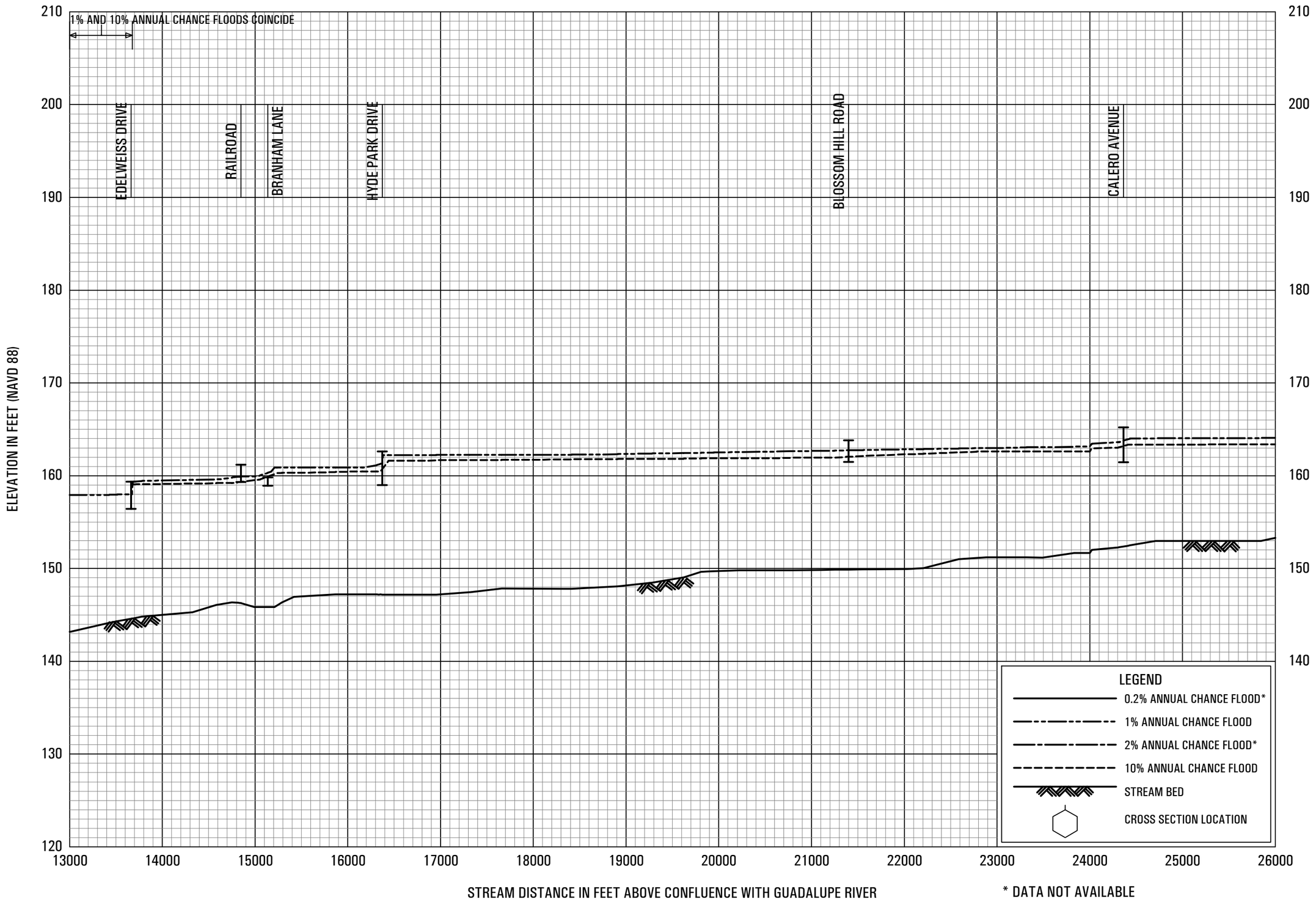
FLOOD PROFILES

CANOAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



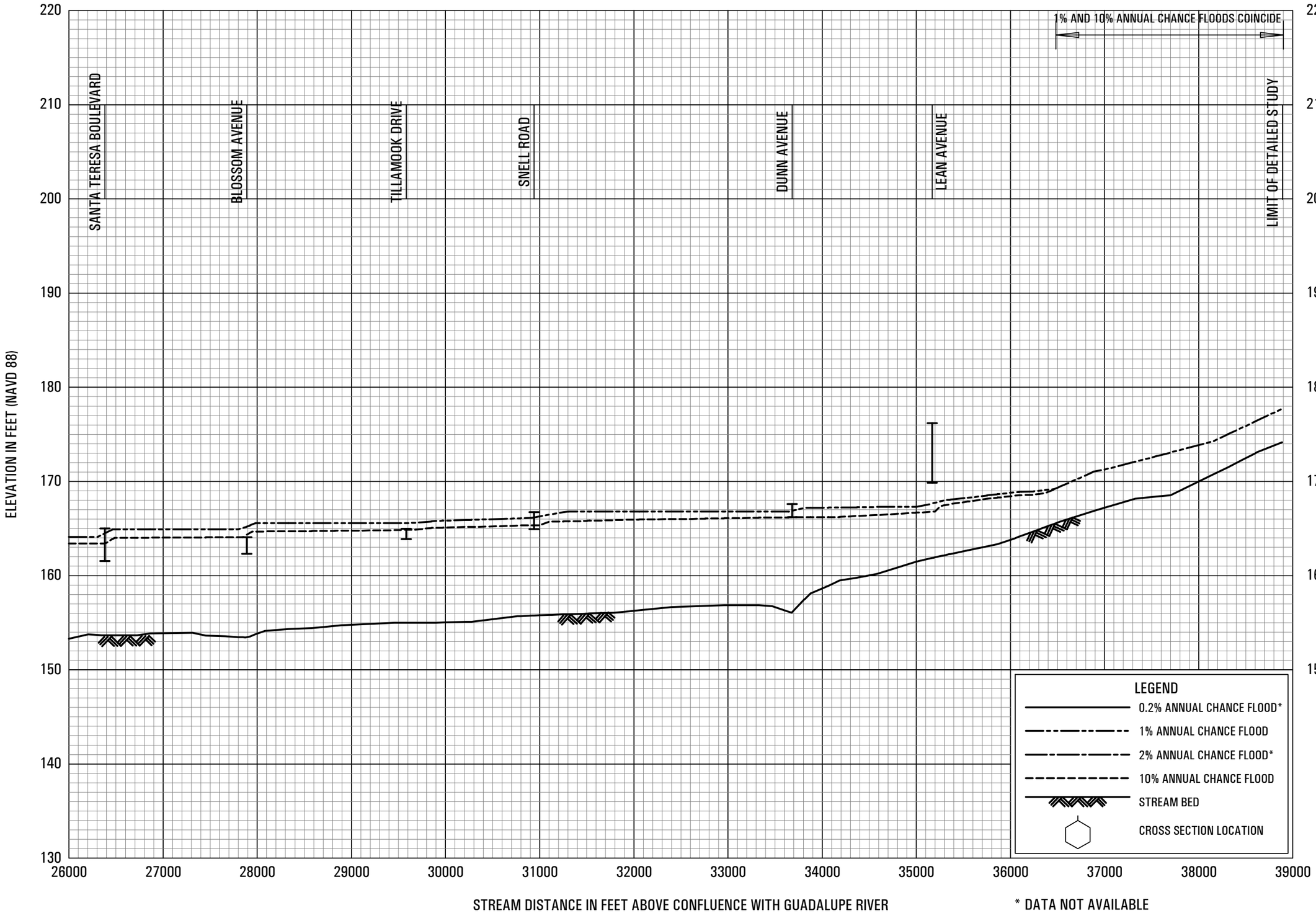
FLOOD PROFILES

CANOAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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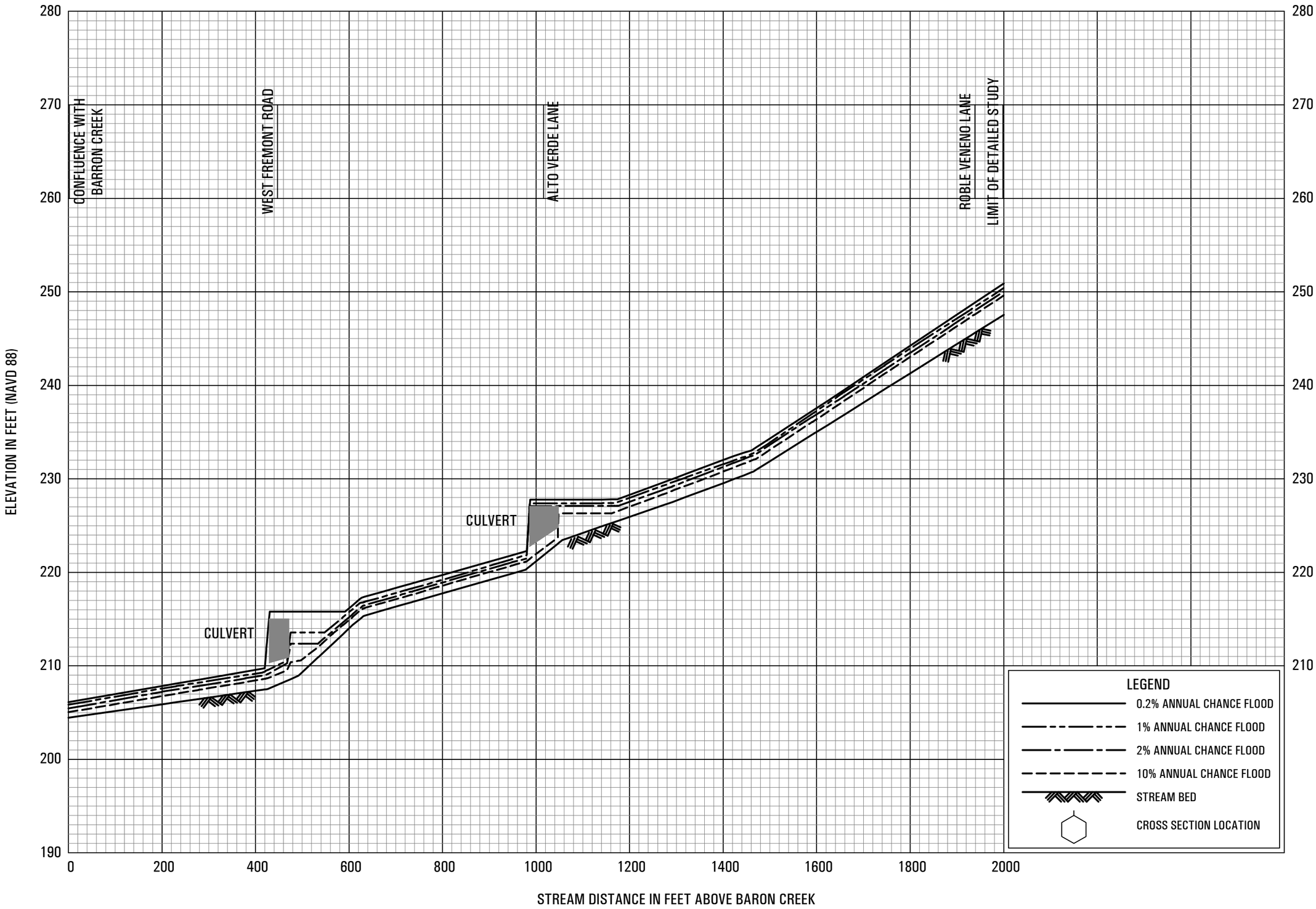
FLOOD PROFILES

CANOAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



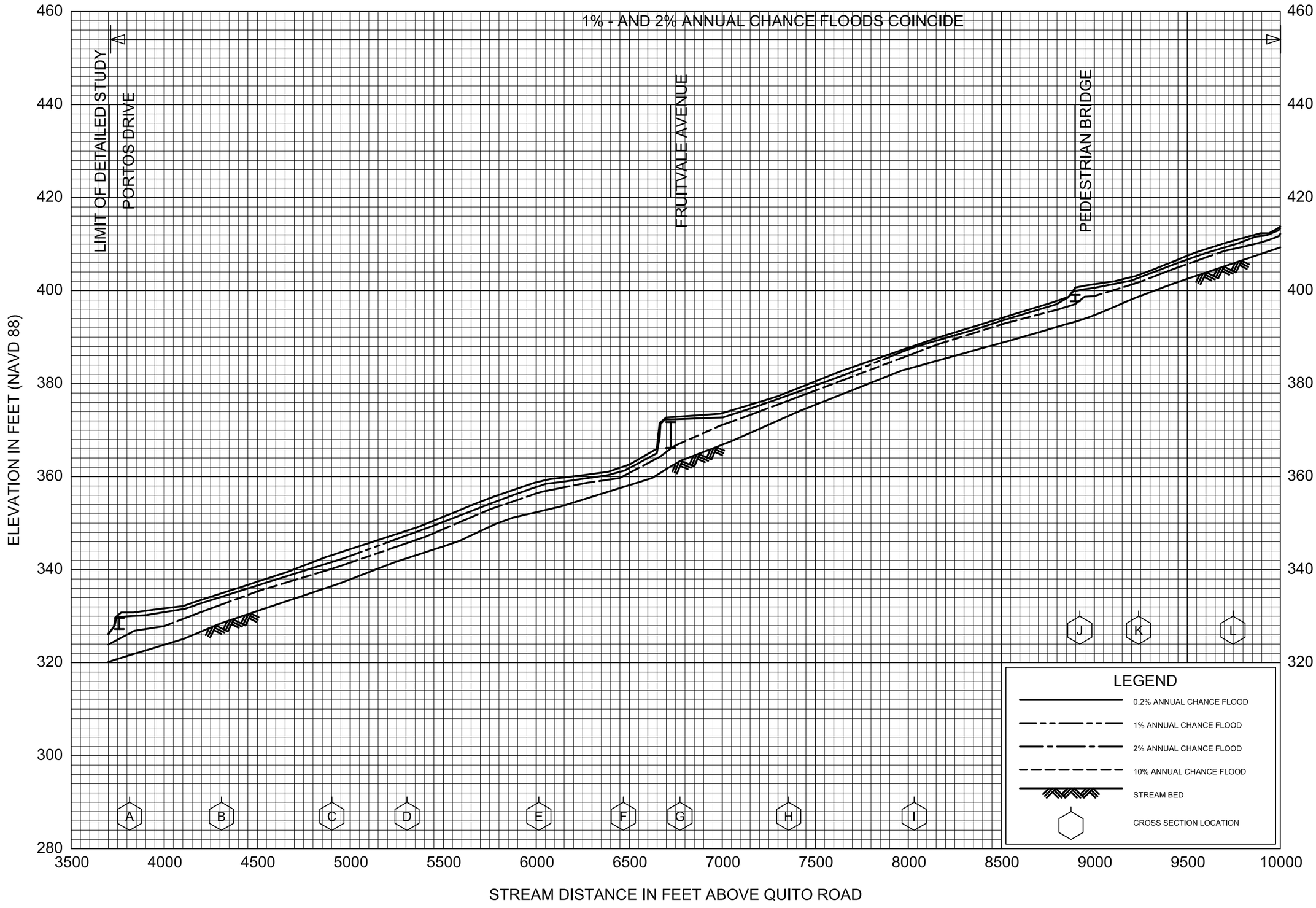
FLOOD PROFILES

CONCEPCION DRAINAGE

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS

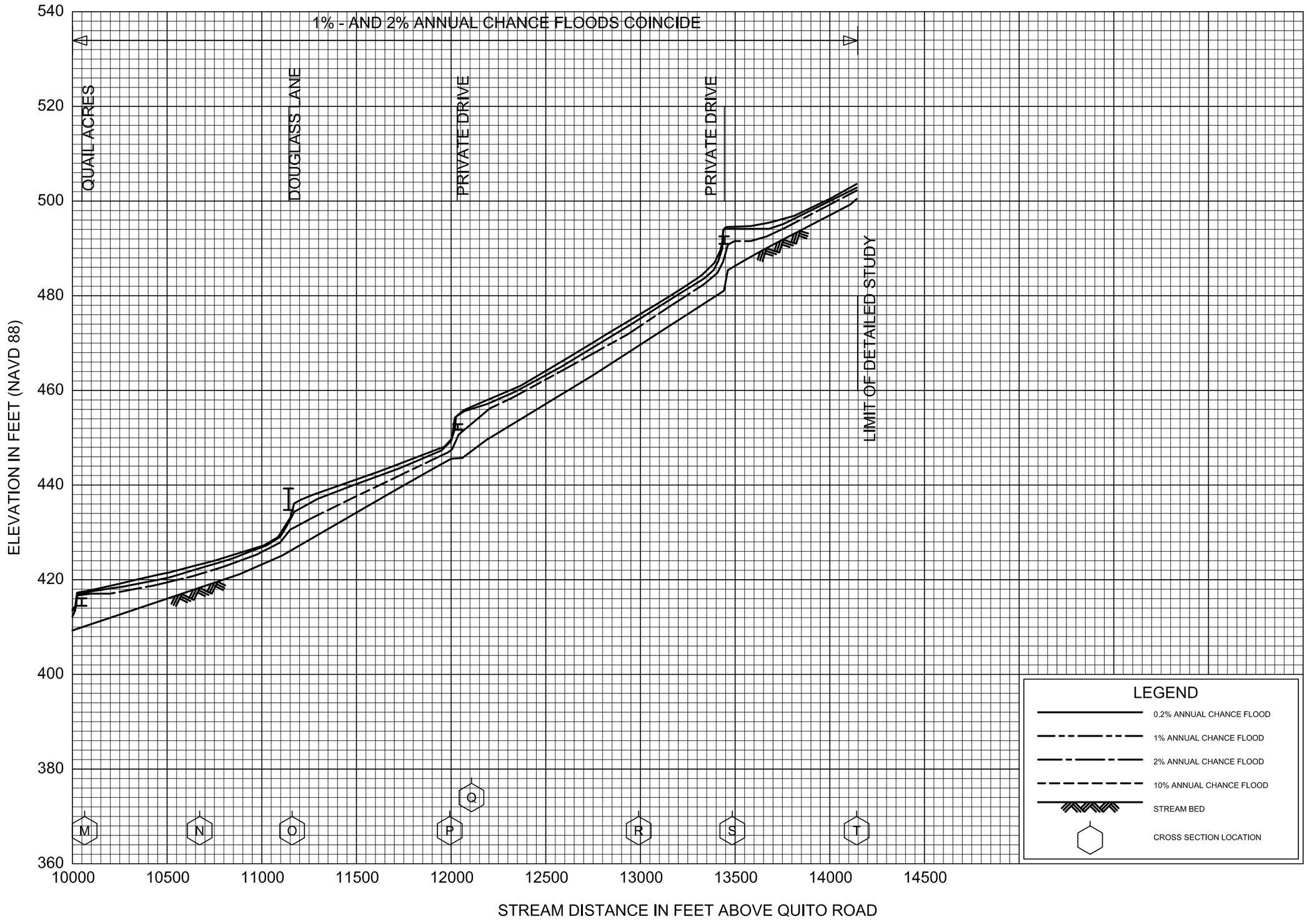


FLOOD PROFILES

WILDCAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS

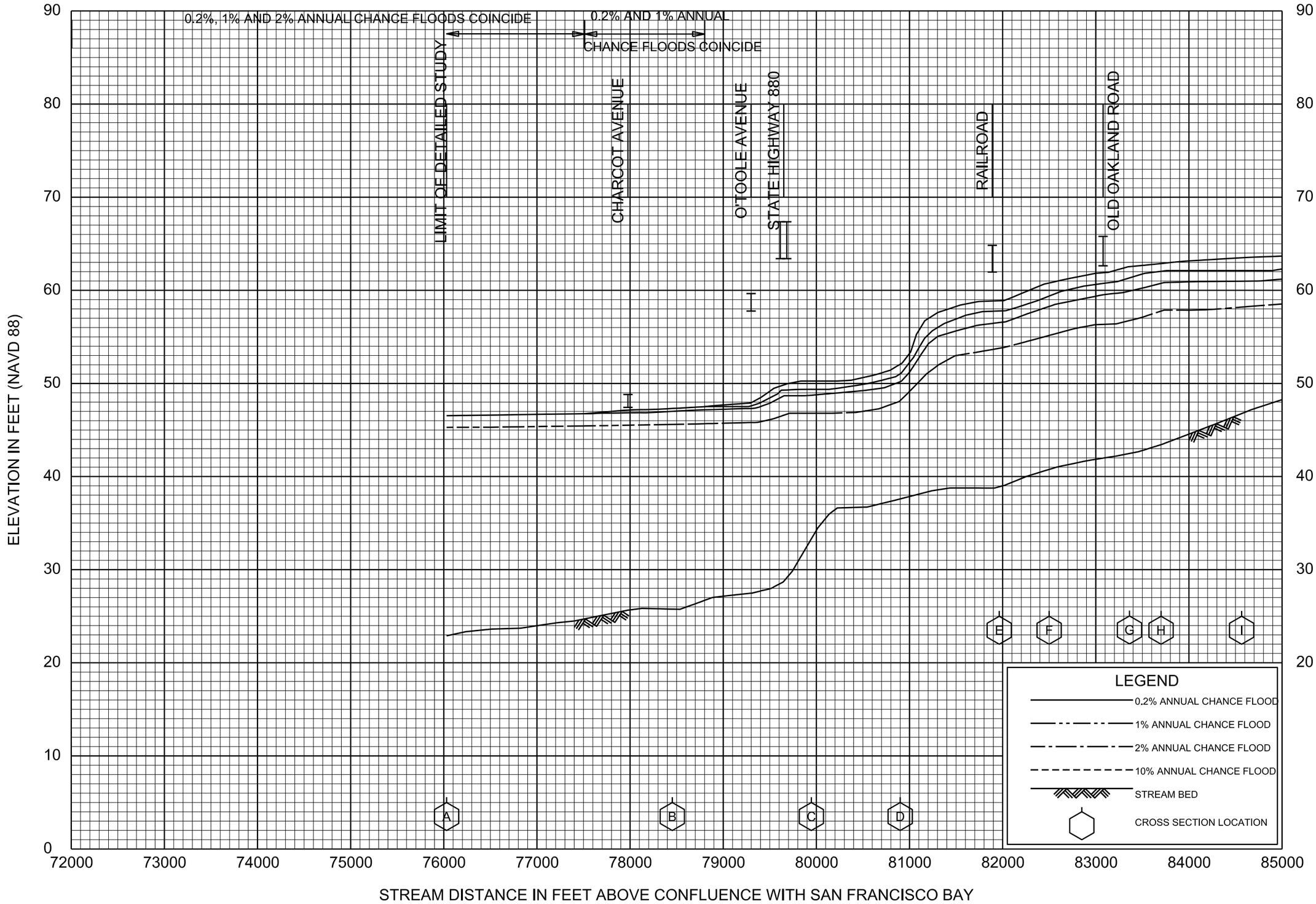


FLOOD PROFILES

WILDCAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS

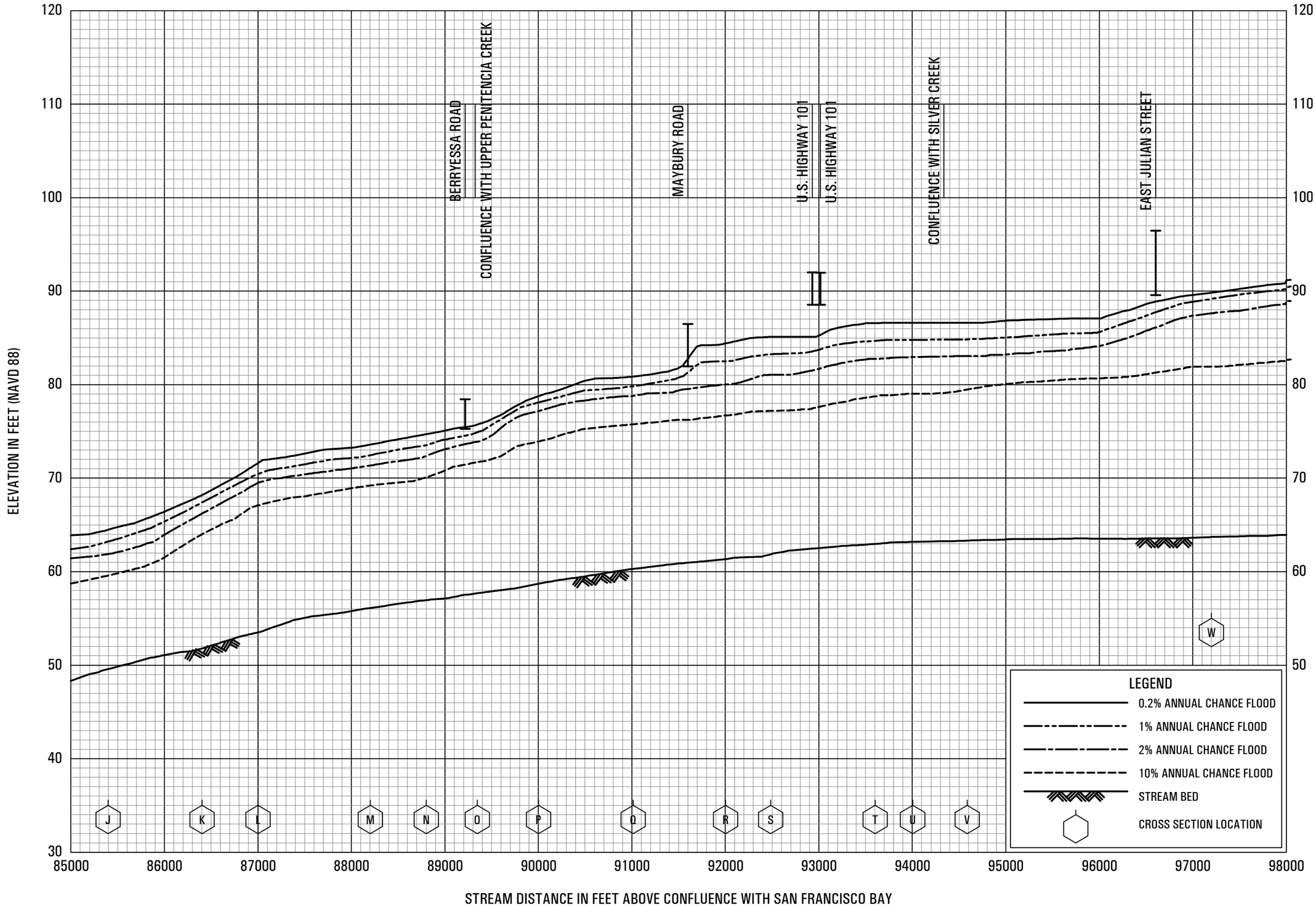


FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS



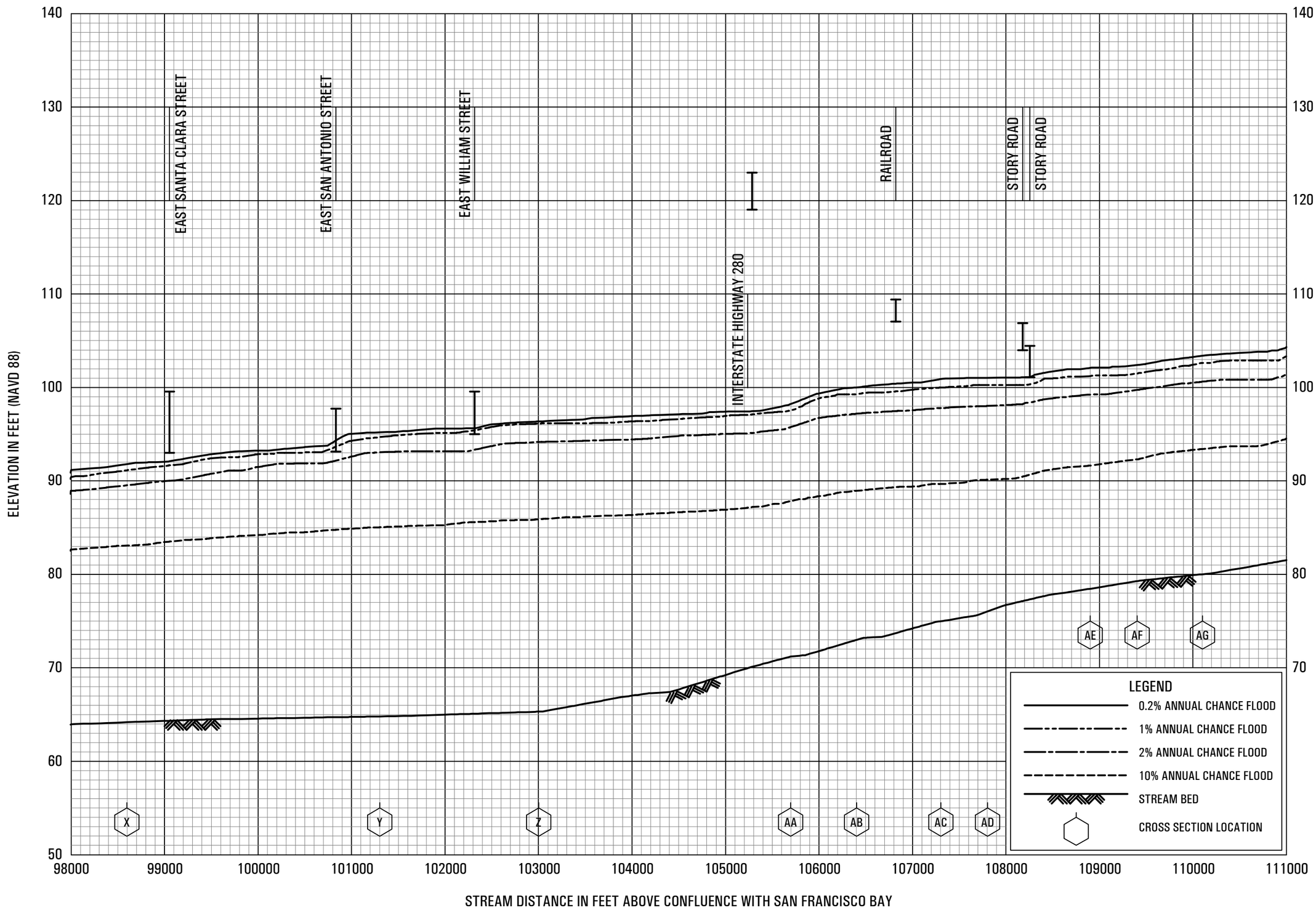
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



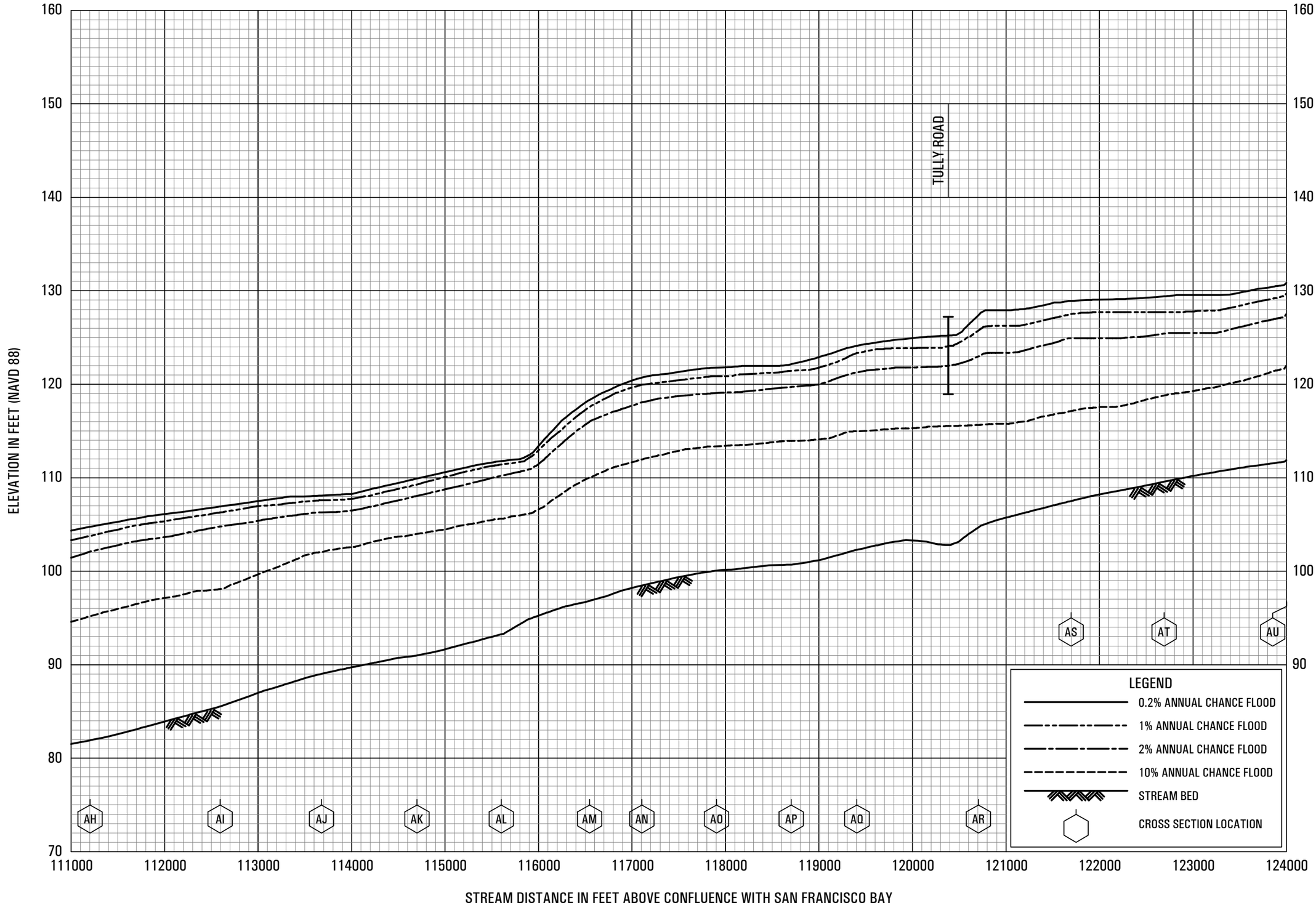
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



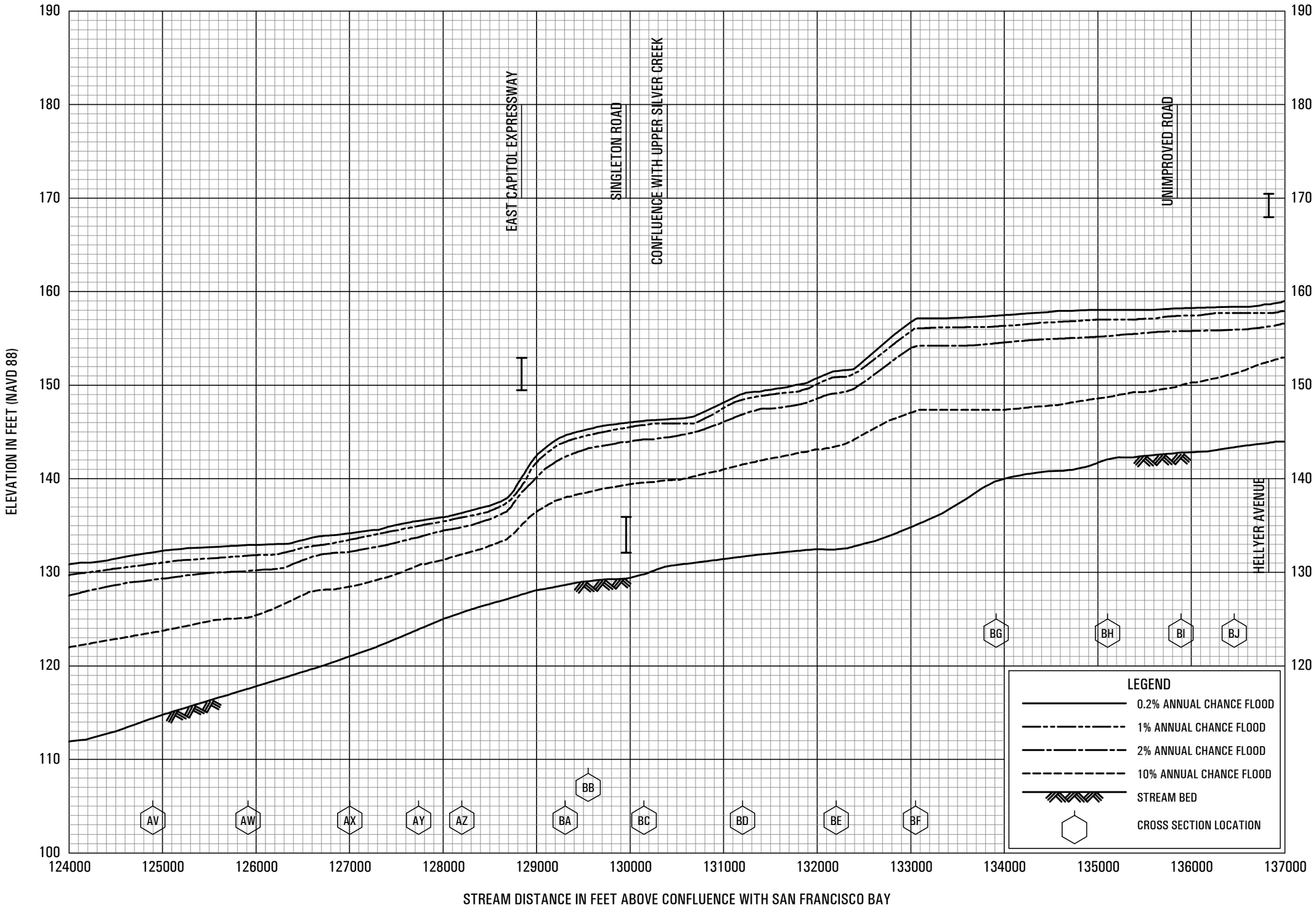
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



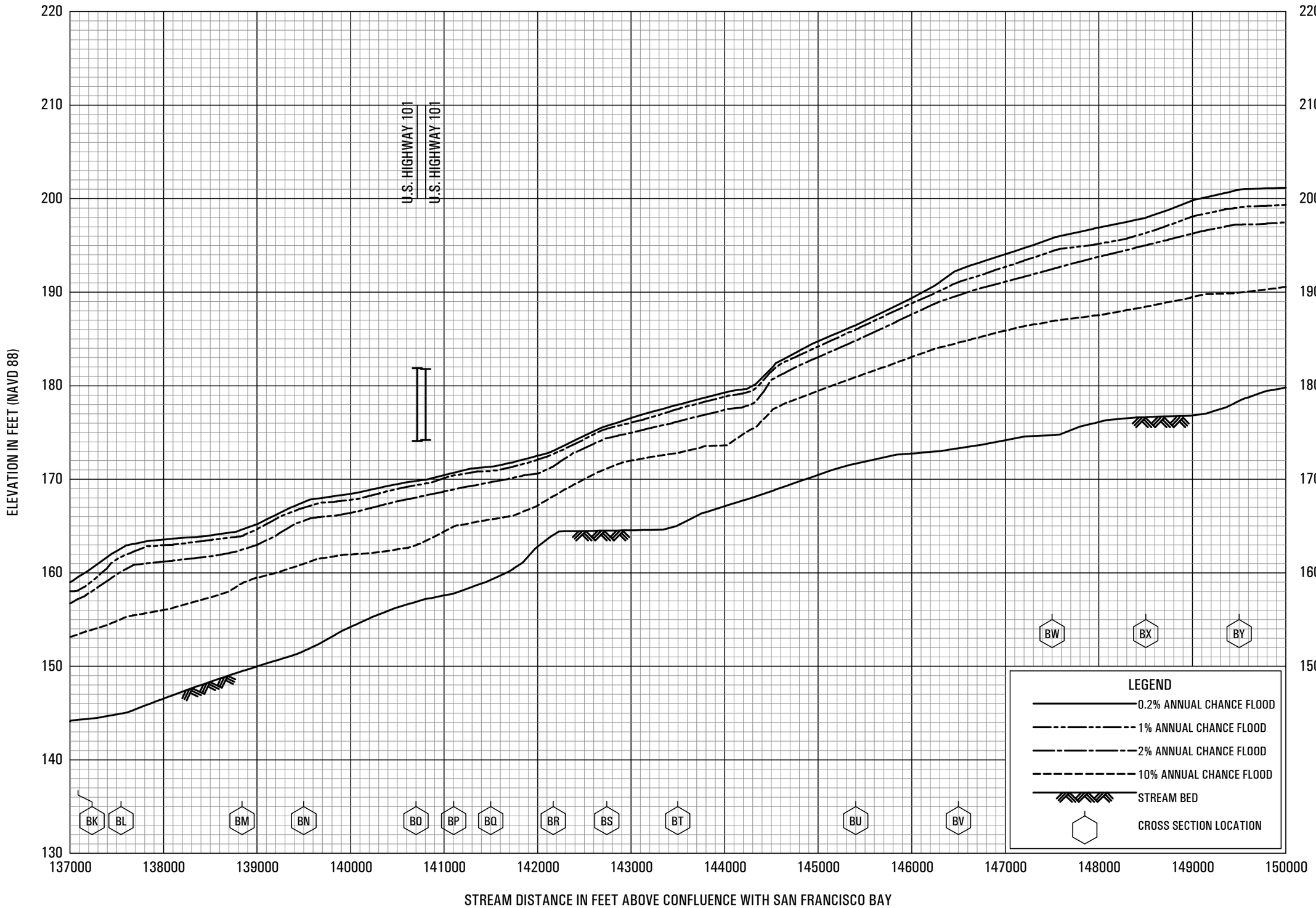
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



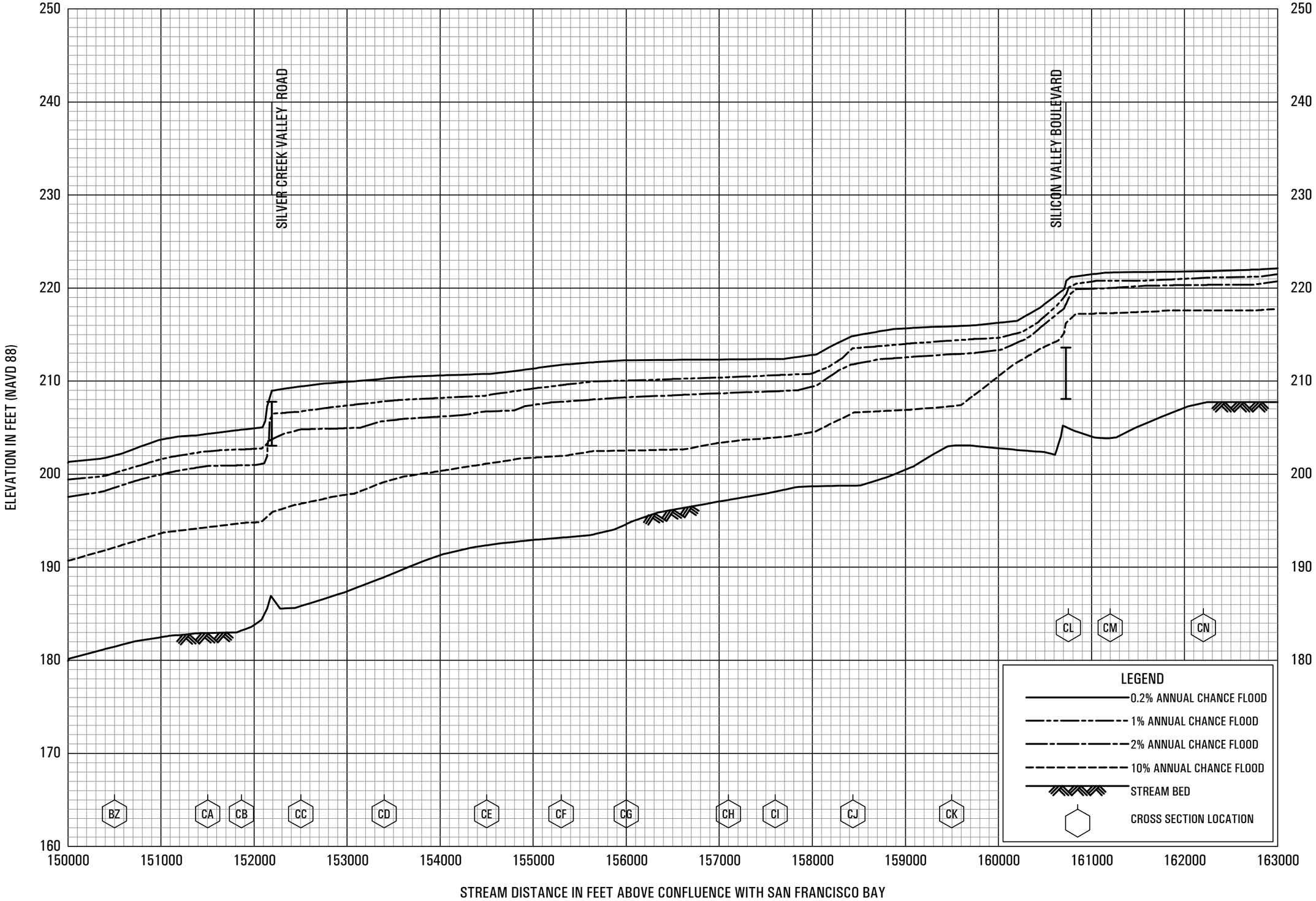
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



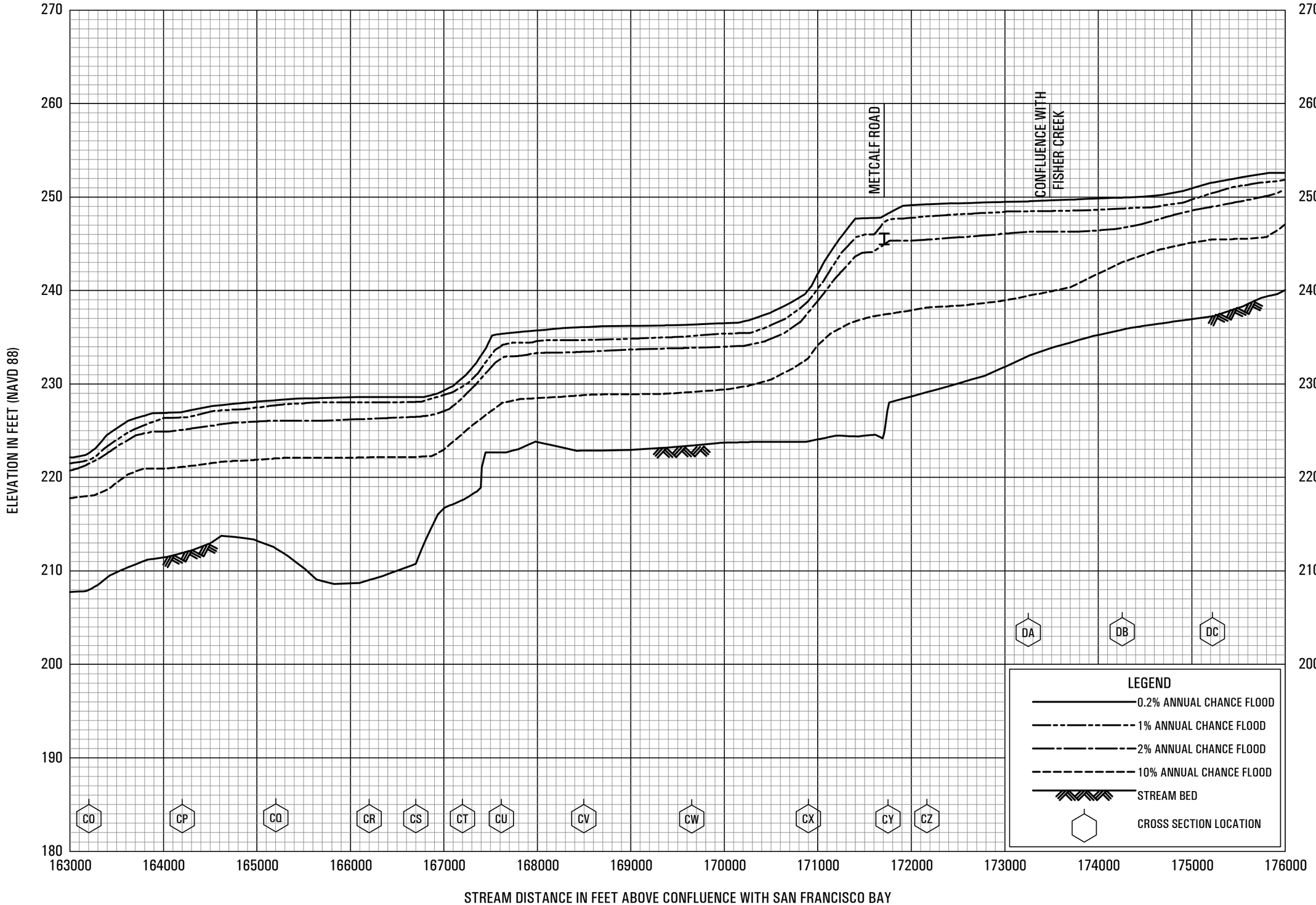
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



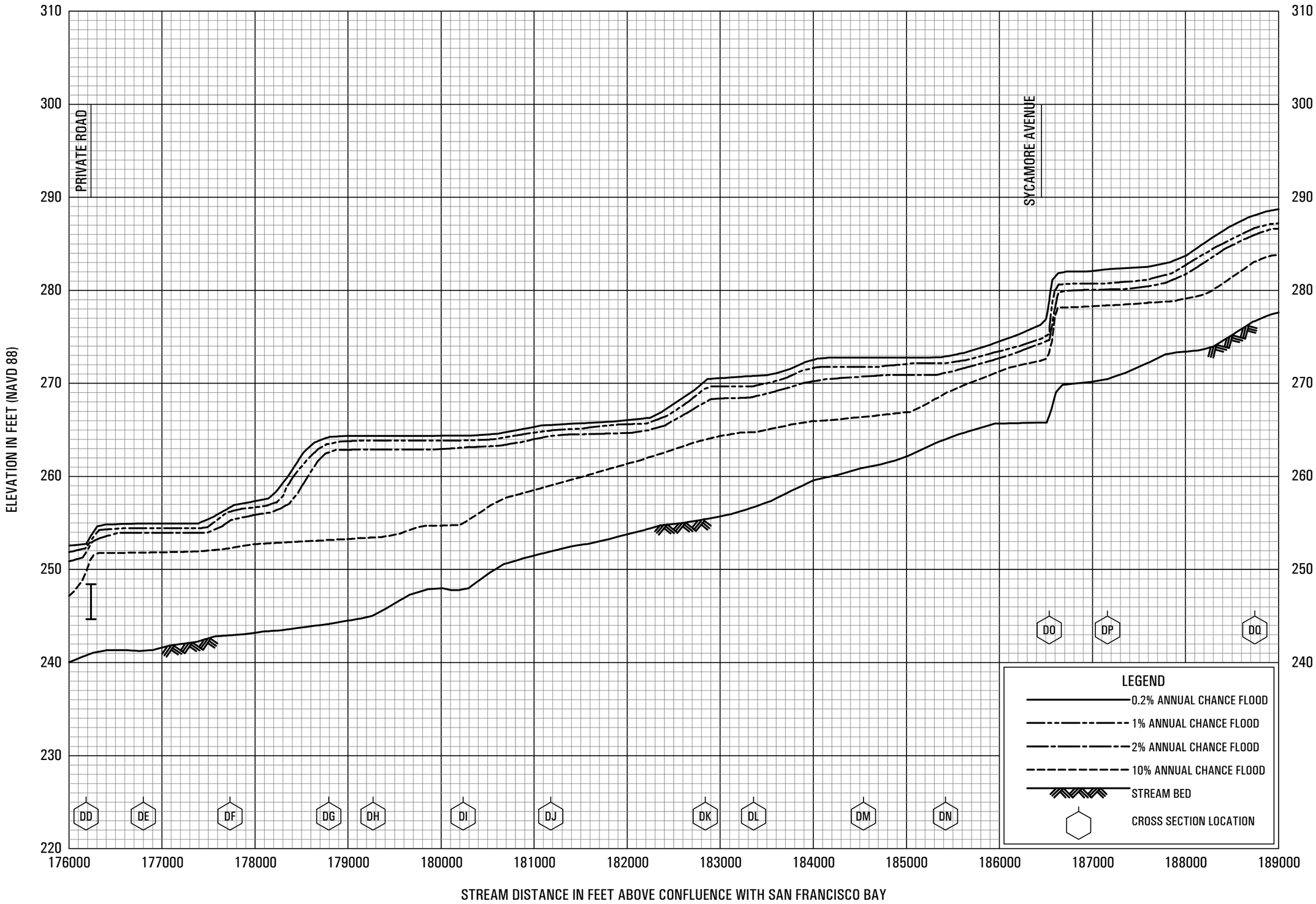
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



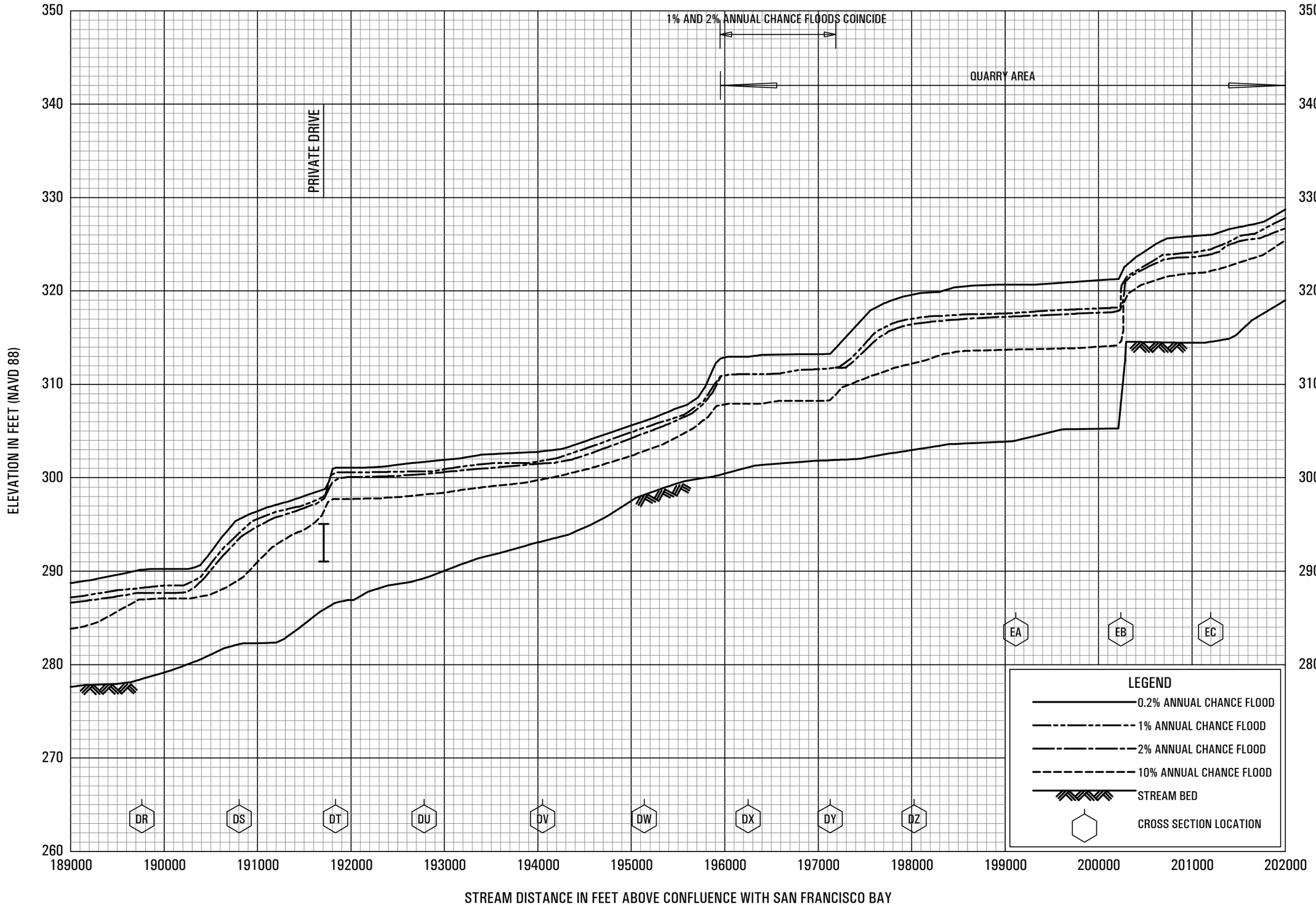
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



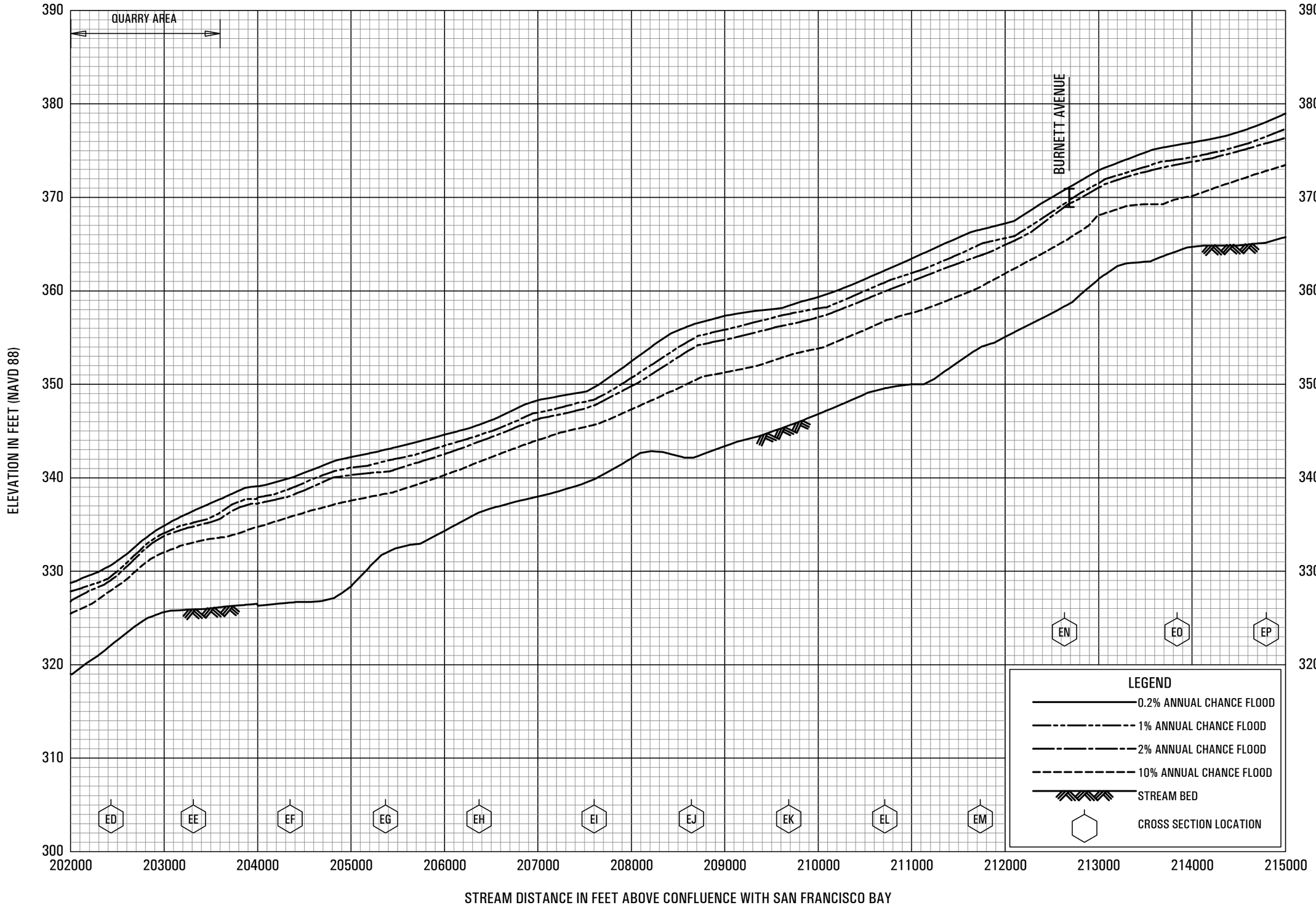
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



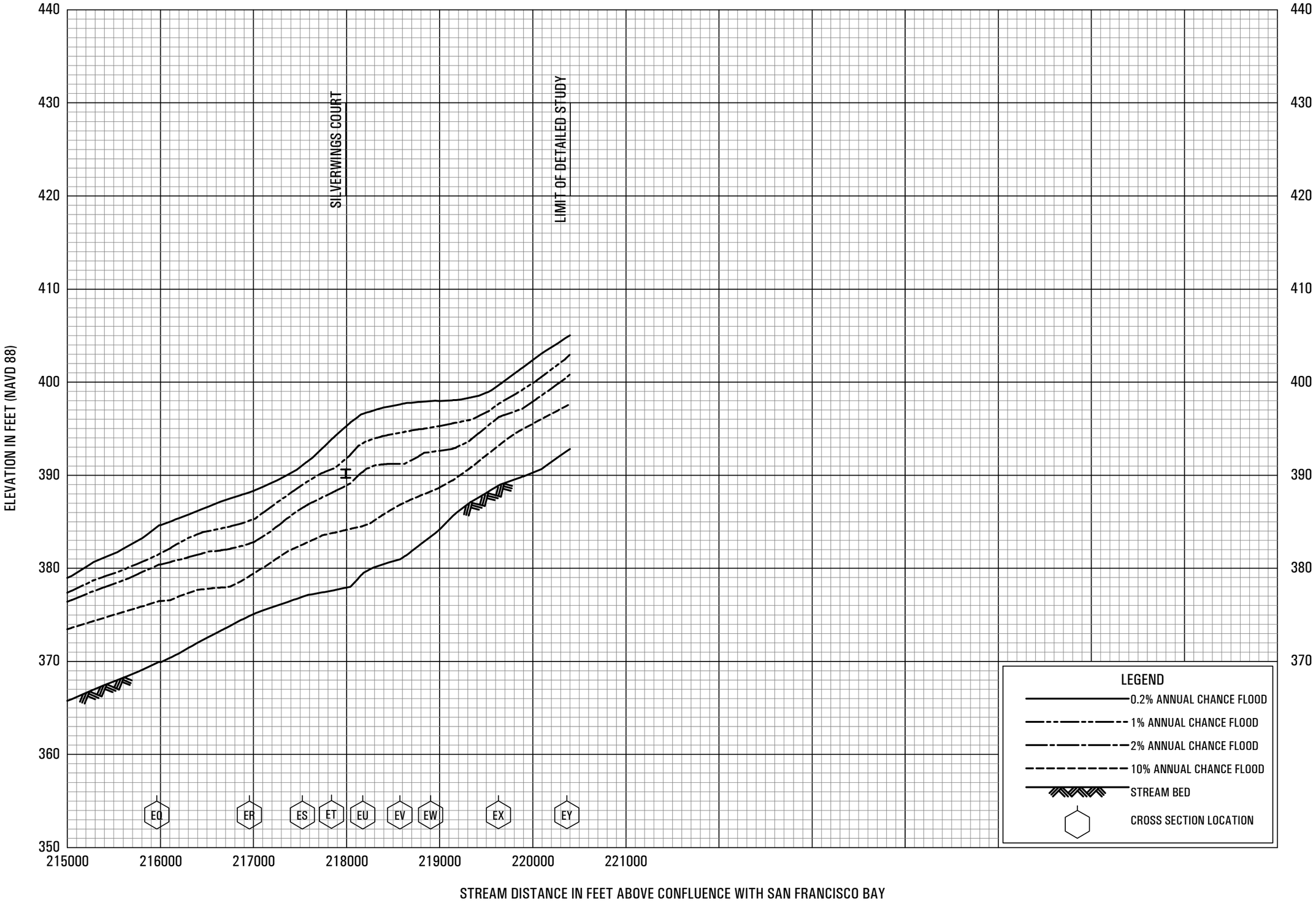
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



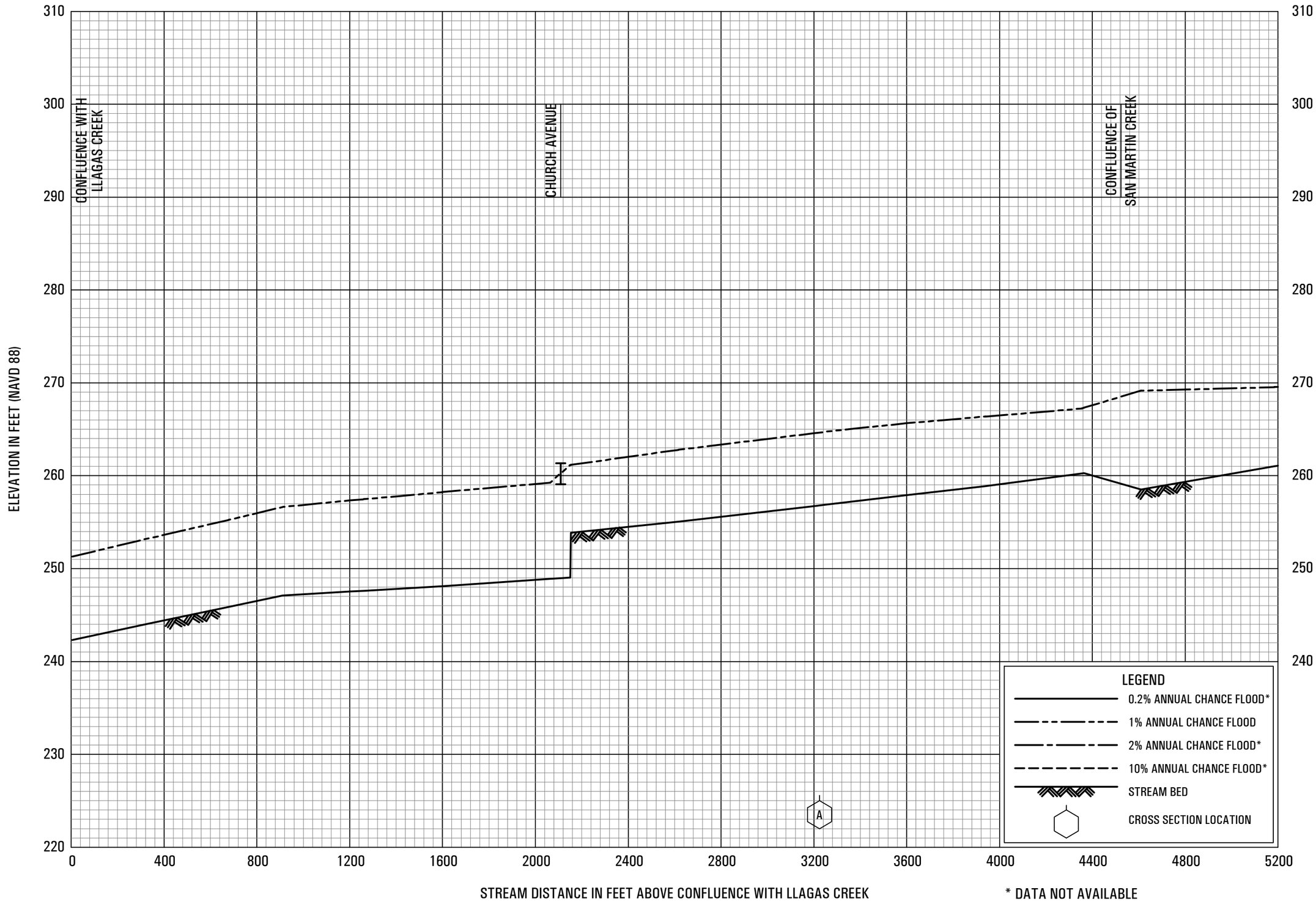
FLOOD PROFILES

COYOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



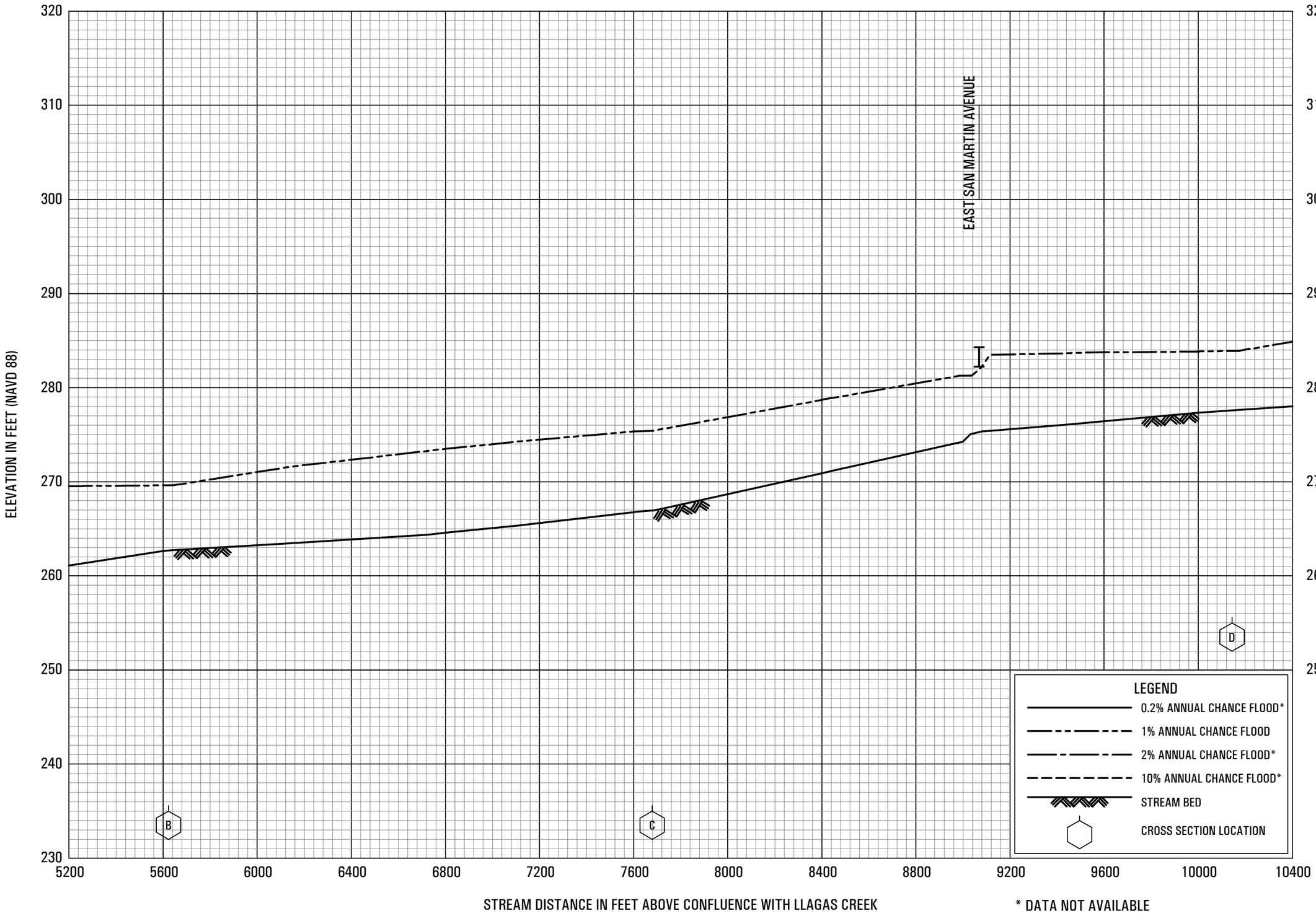
FLOOD PROFILES

EAST LITTLE LLAGAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



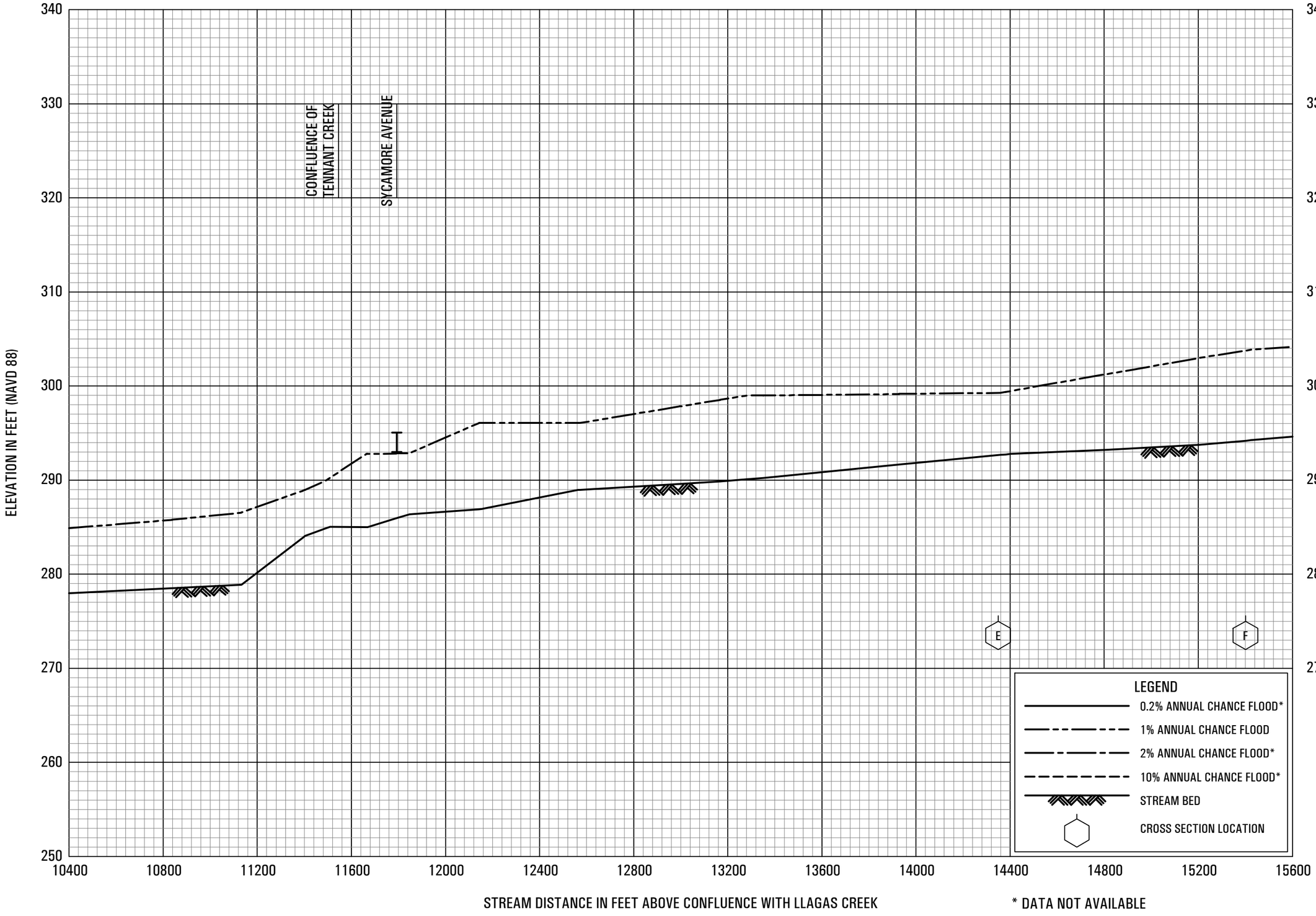
FLOOD PROFILES

EAST LITTLE LLAGAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



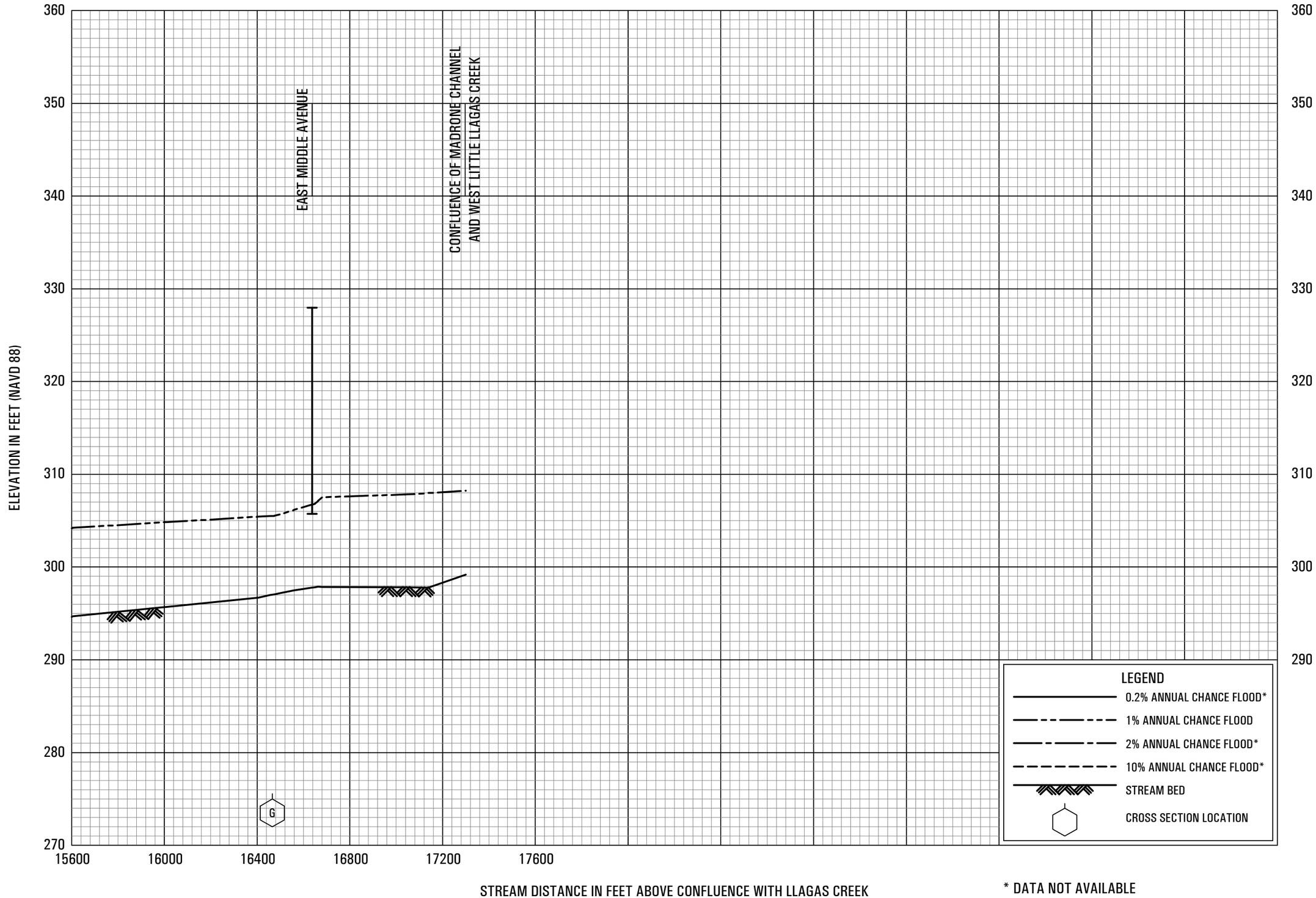
FLOOD PROFILES

EAST LITTLE LLAGAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



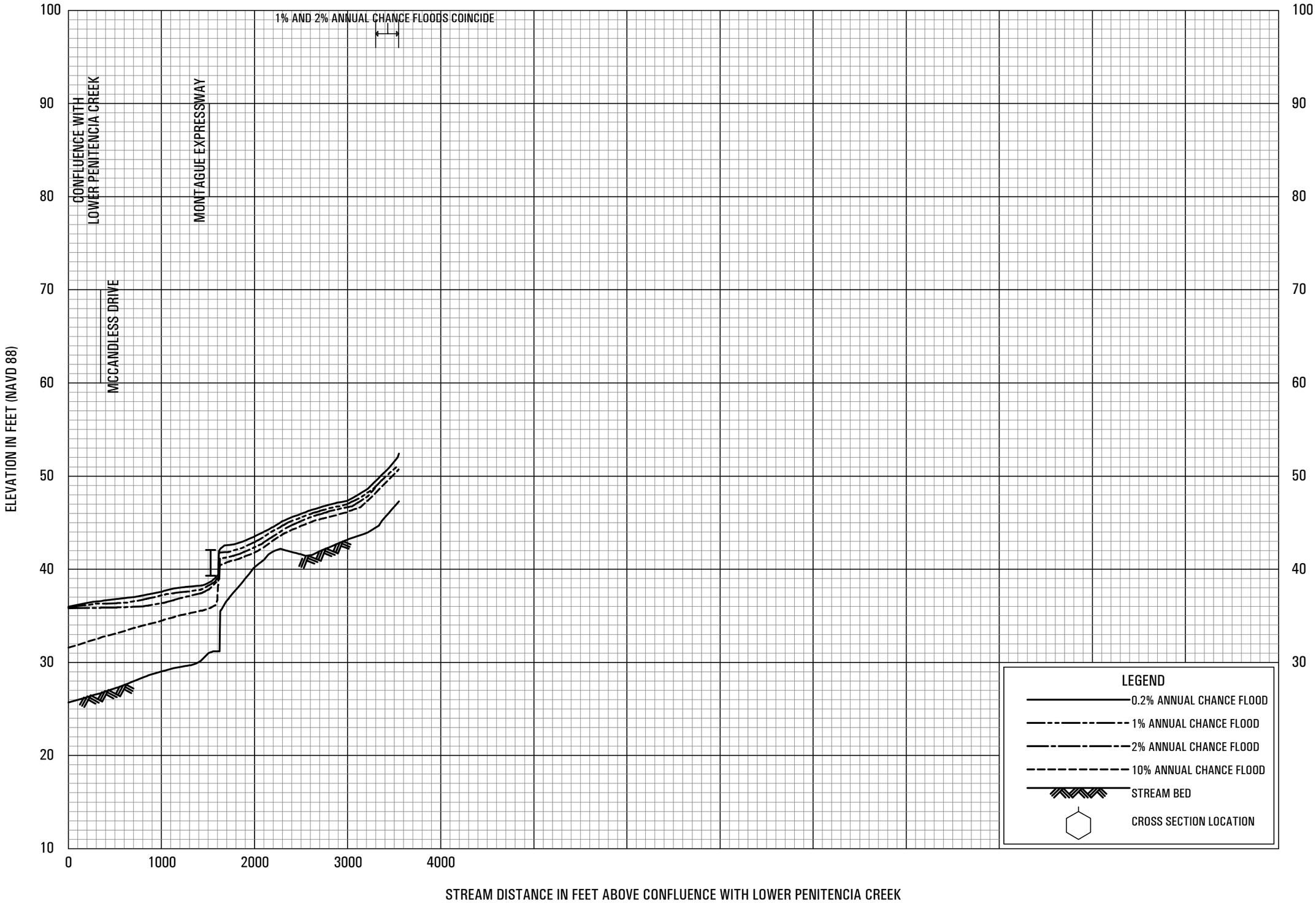
FLOOD PROFILES

EAST LITTLE LLAGAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



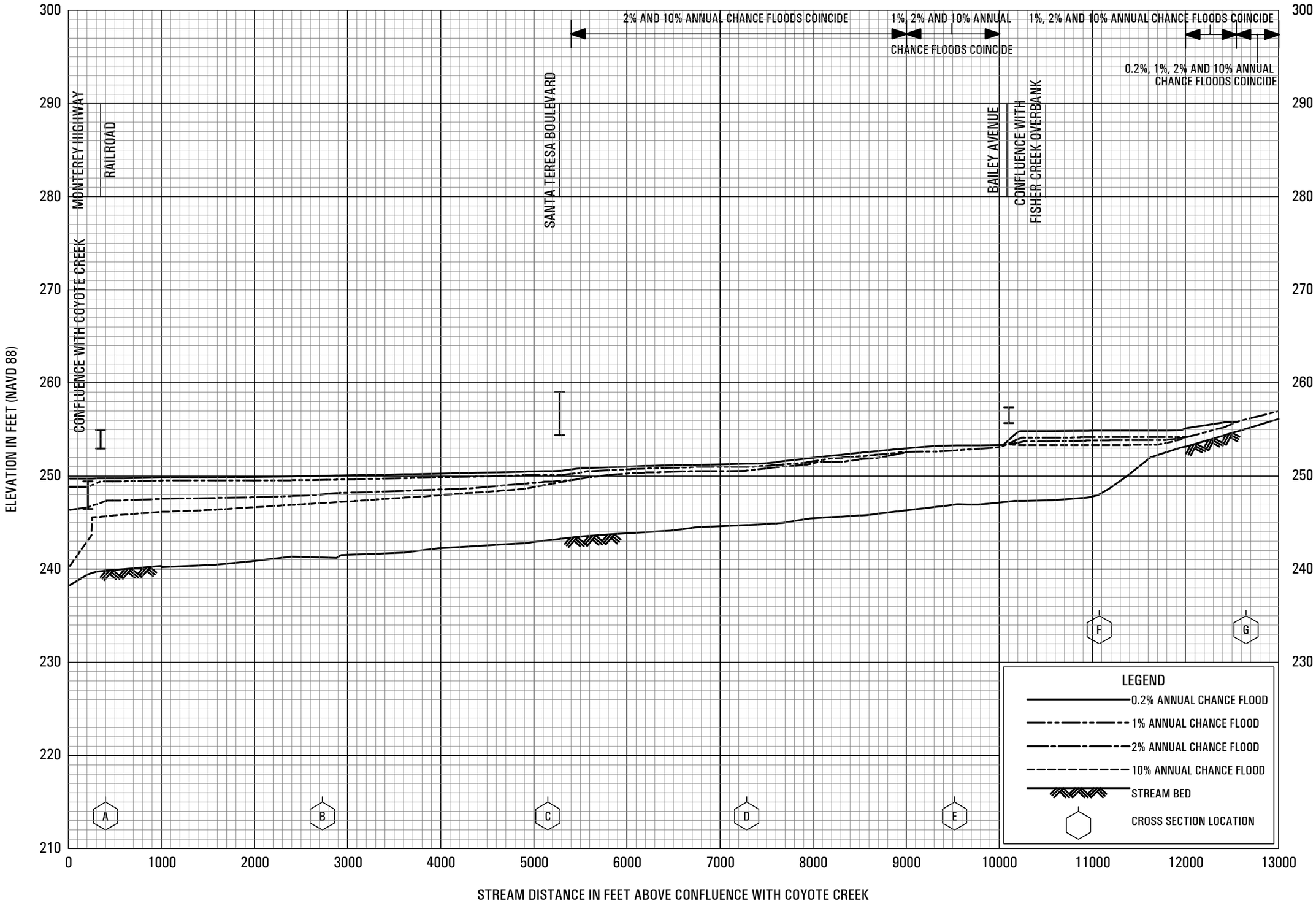
FLOOD PROFILES

EAST PENITENCIA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



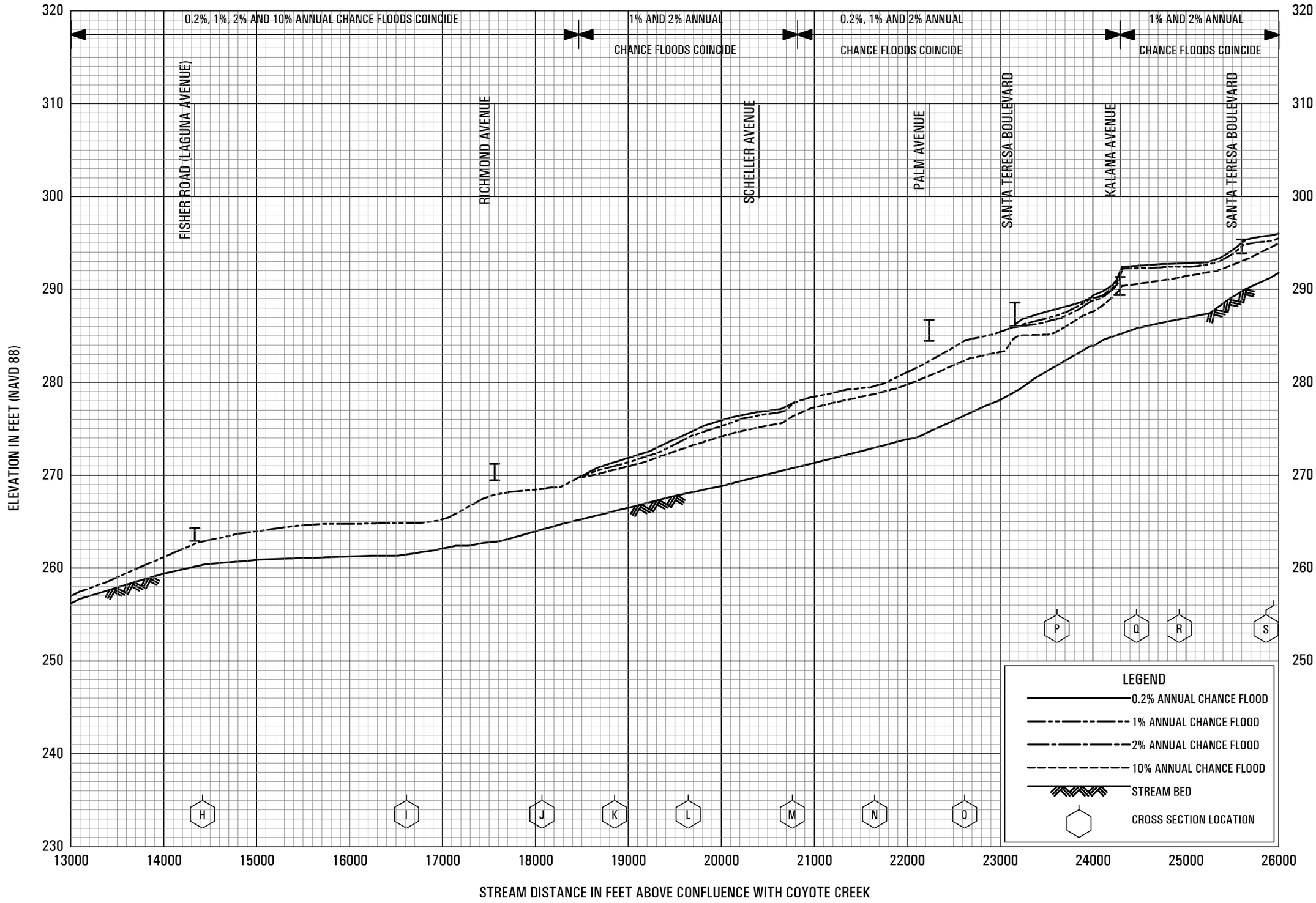
FLOOD PROFILES

FISHER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



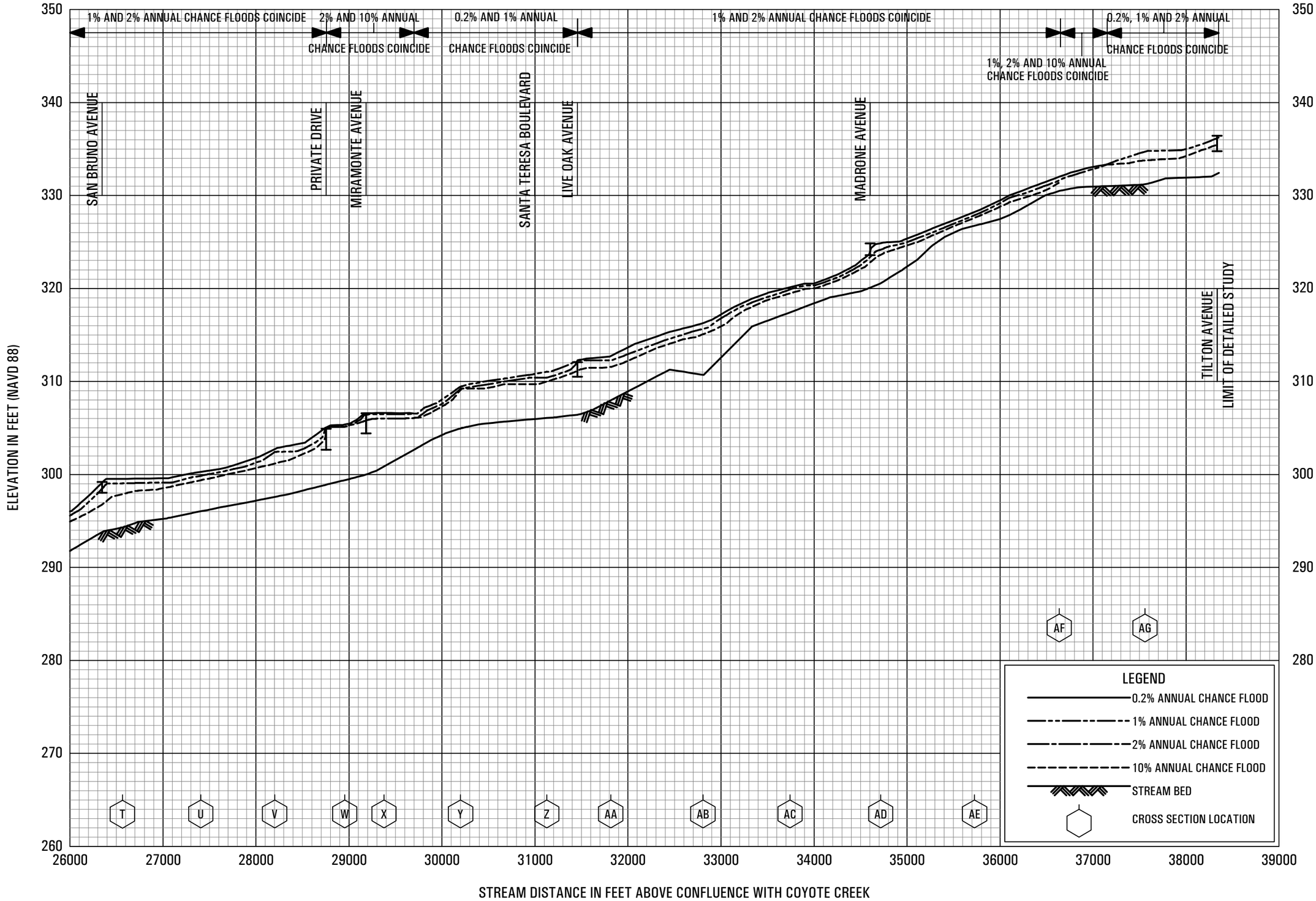
FLOOD PROFILES

FISHER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



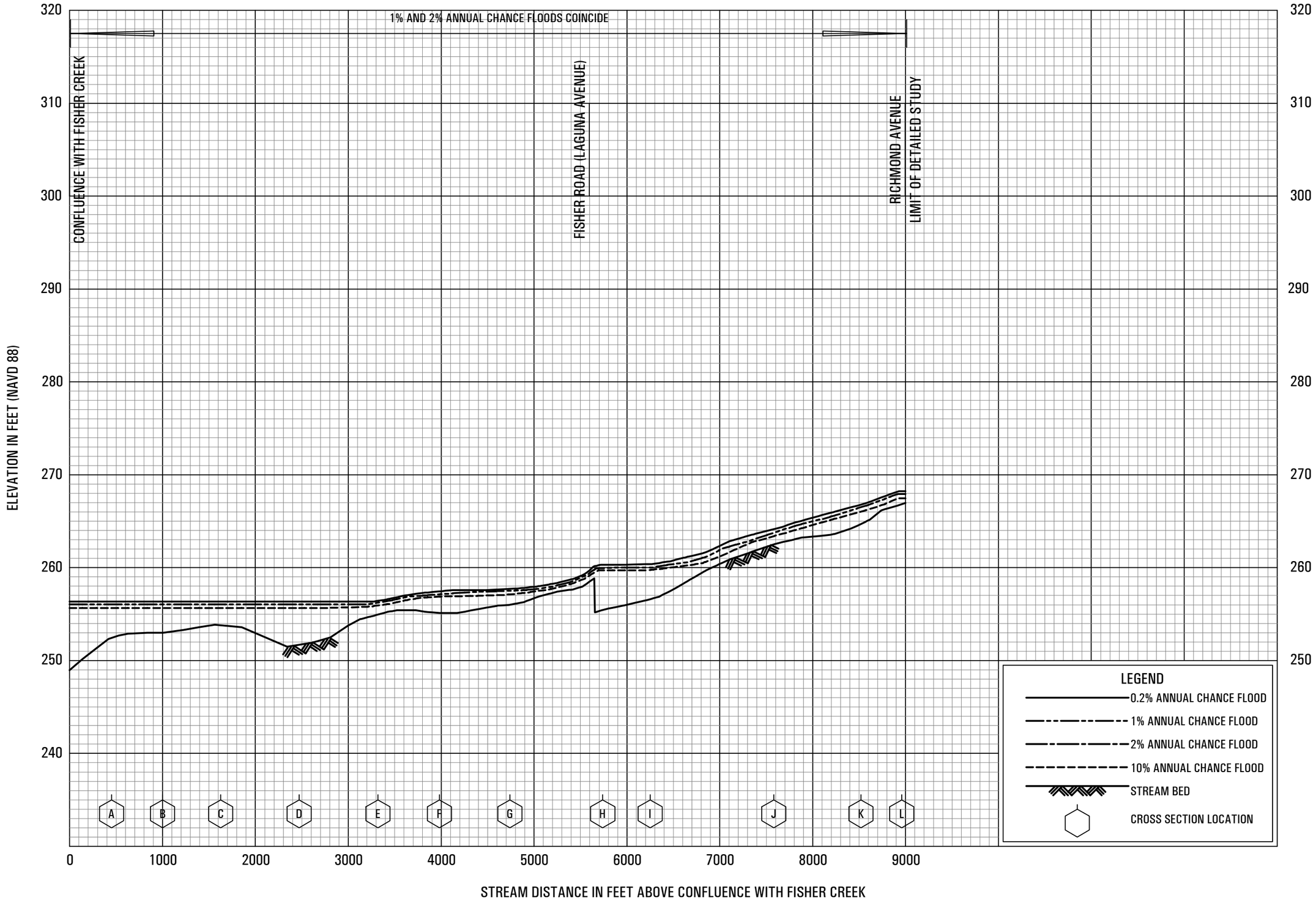
FLOOD PROFILES

FISHER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



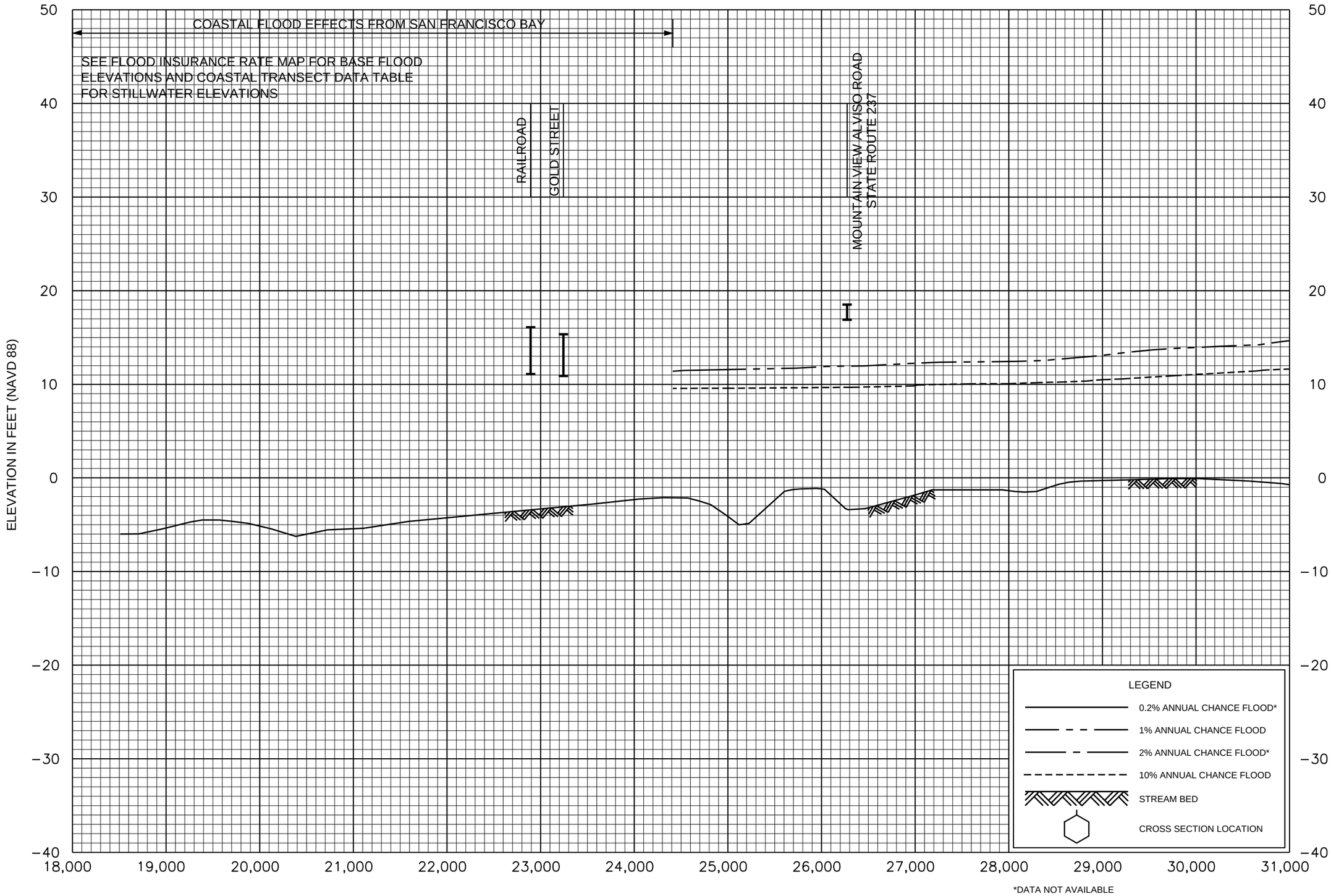
FLOOD PROFILES

FISHER CREEK OVERBANK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



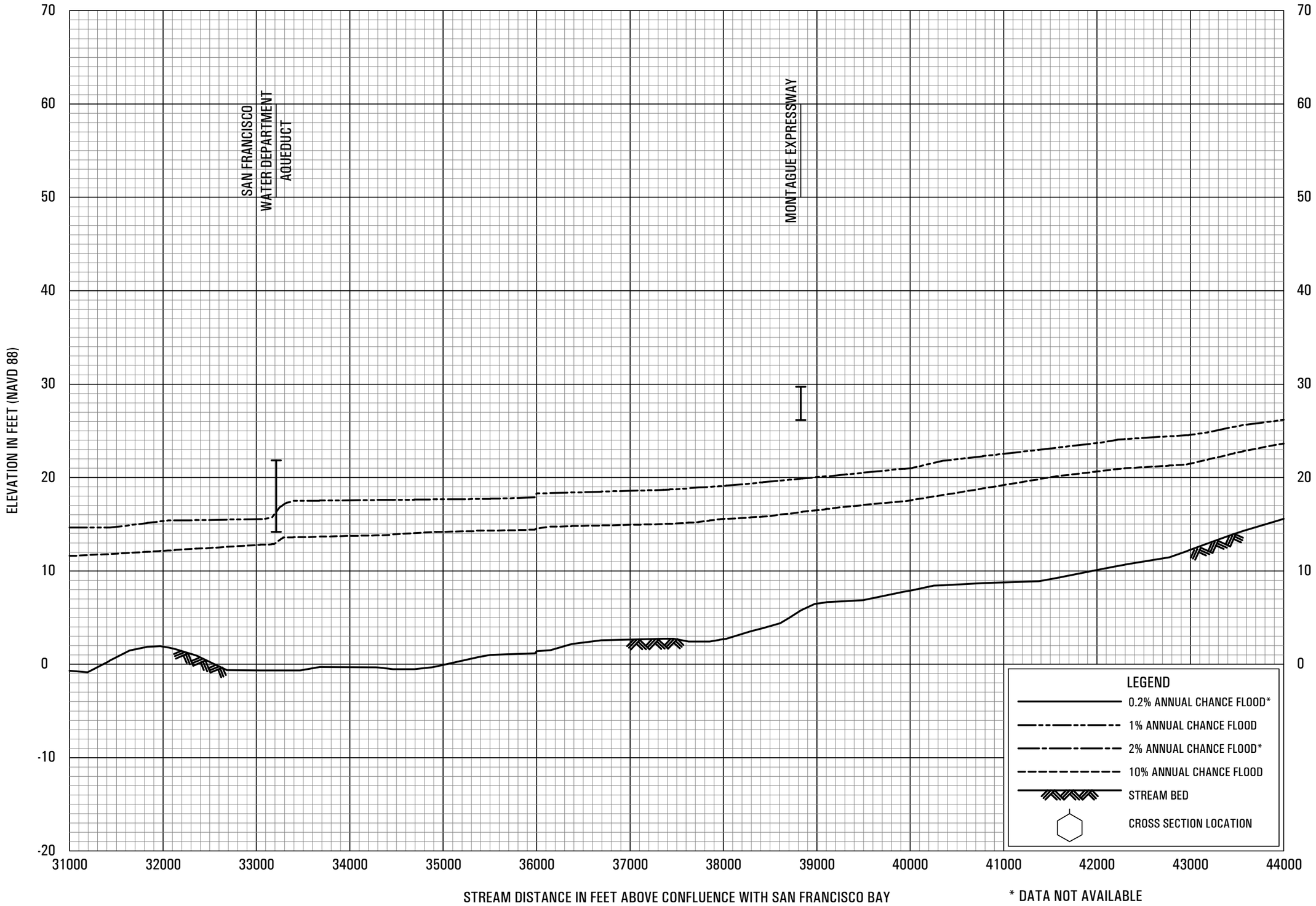
FLOOD PROFILES

GUADALUPE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



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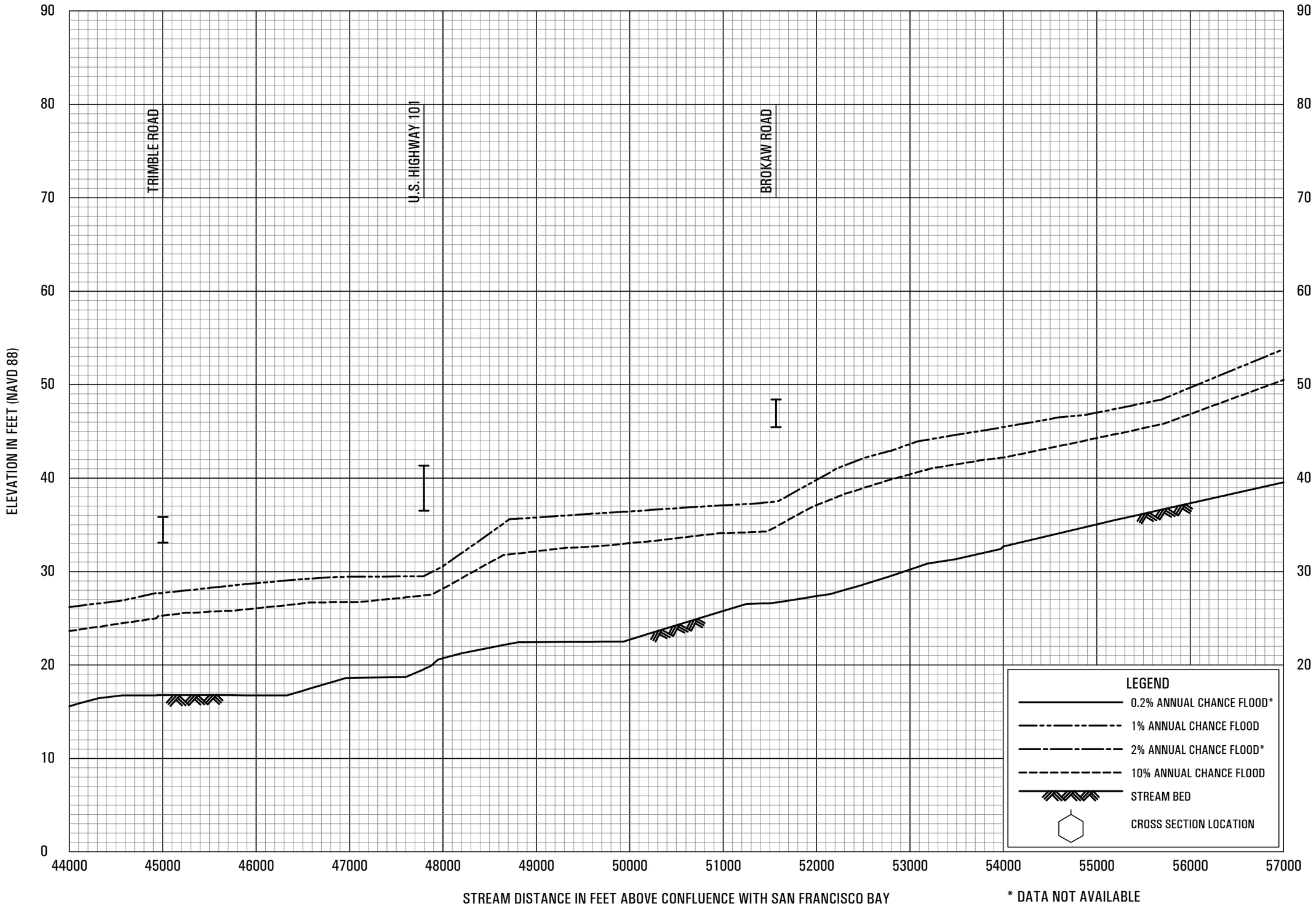
FLOOD PROFILES

GUADALUPE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



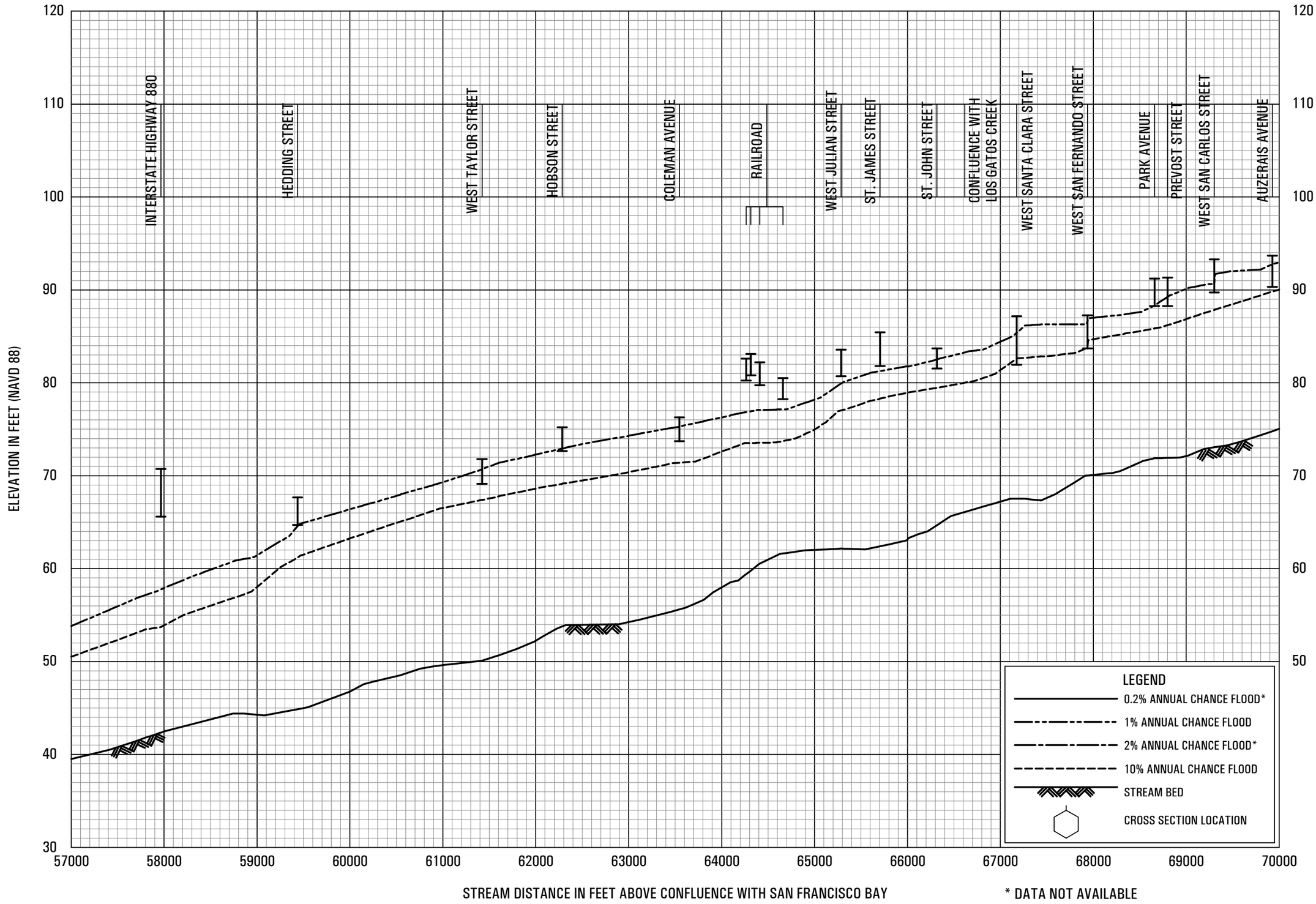
FLOOD PROFILES

GUADALUPE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



FLOOD PROFILES

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SANTA CLARA COUNTY, CA

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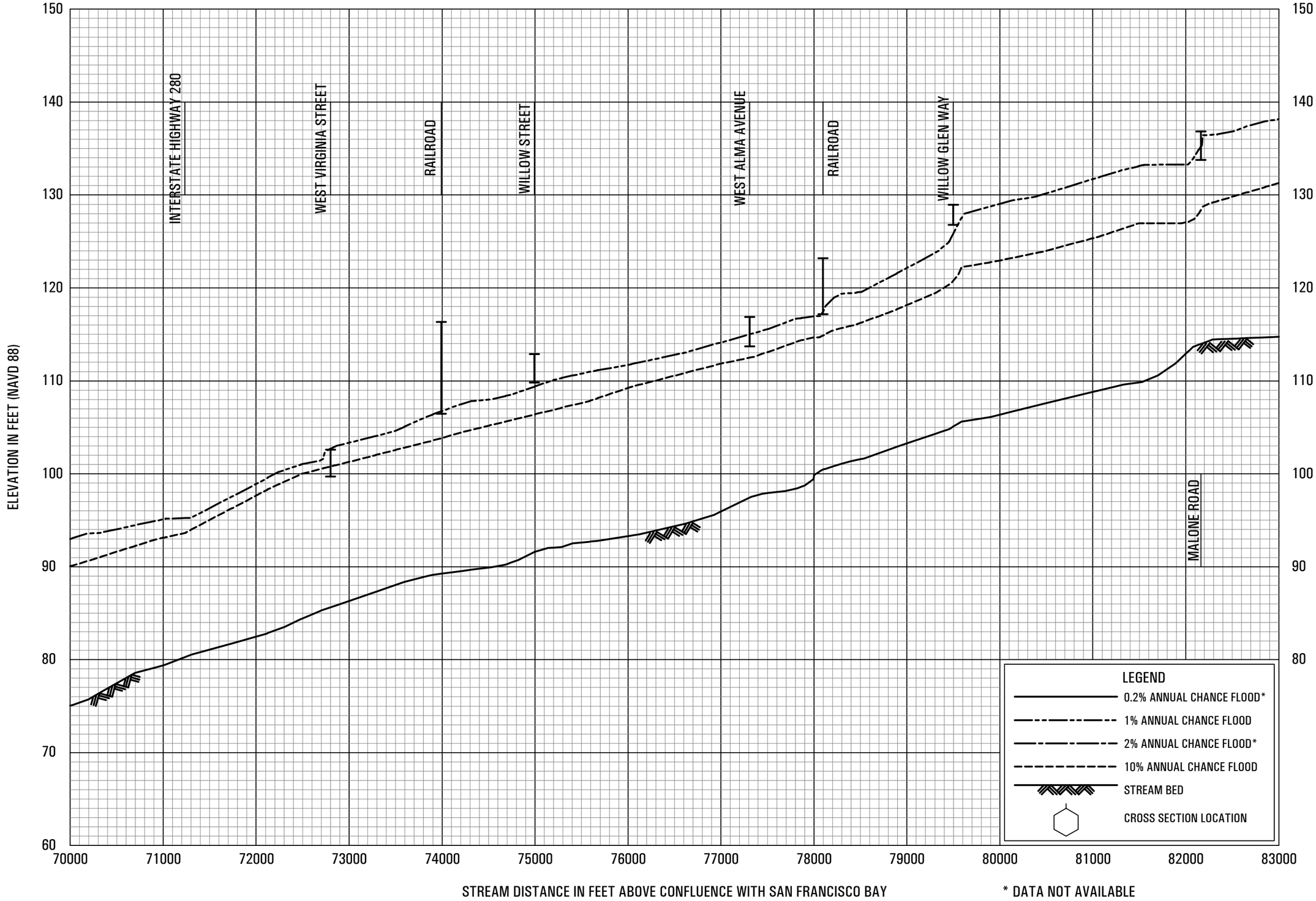

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FLOOD PROFILES

GUADALUPE RIVER

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SANTA CLARA COUNTY, CA

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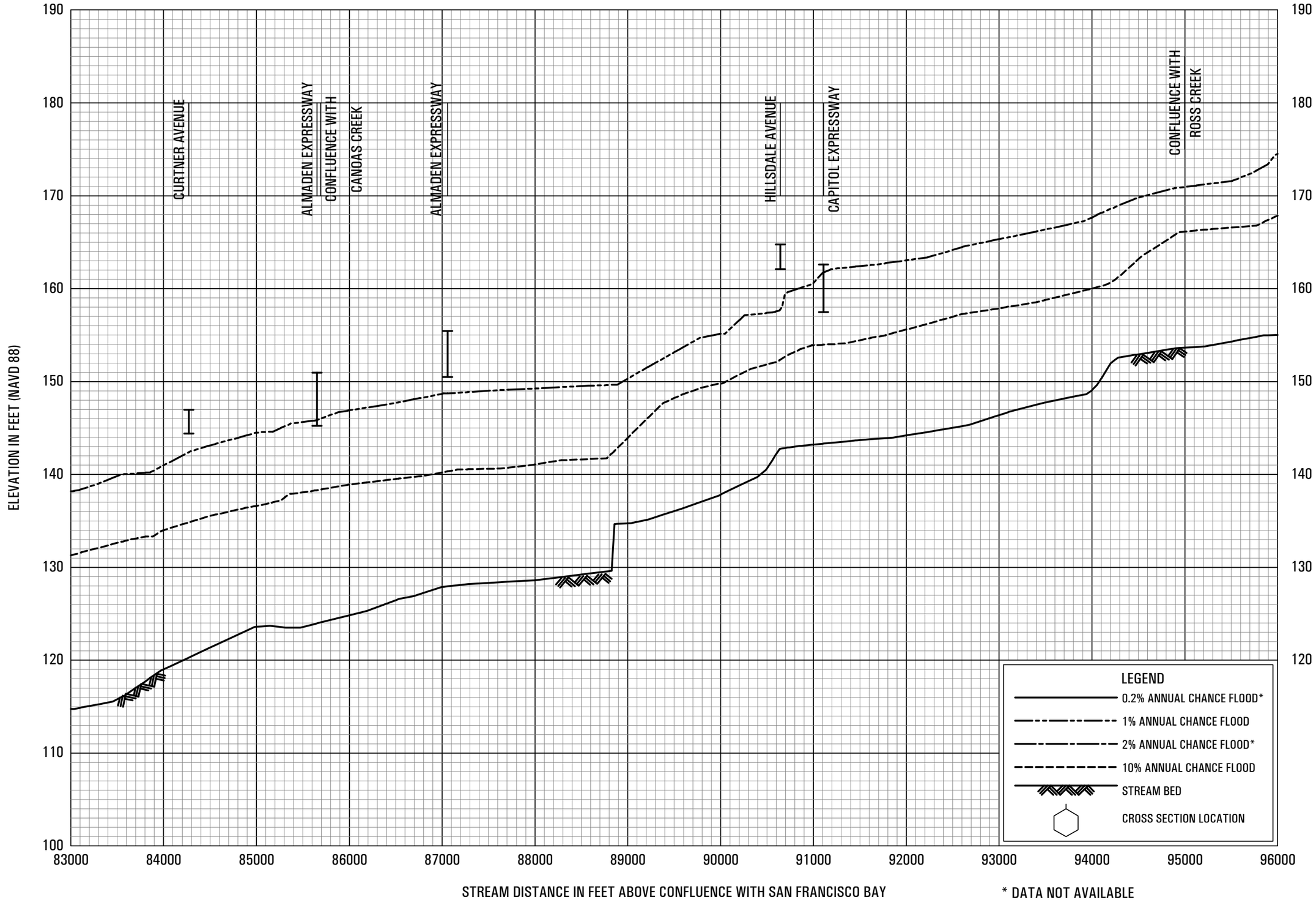

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GUADALUPE RIVER

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SANTA CLARA COUNTY, CA

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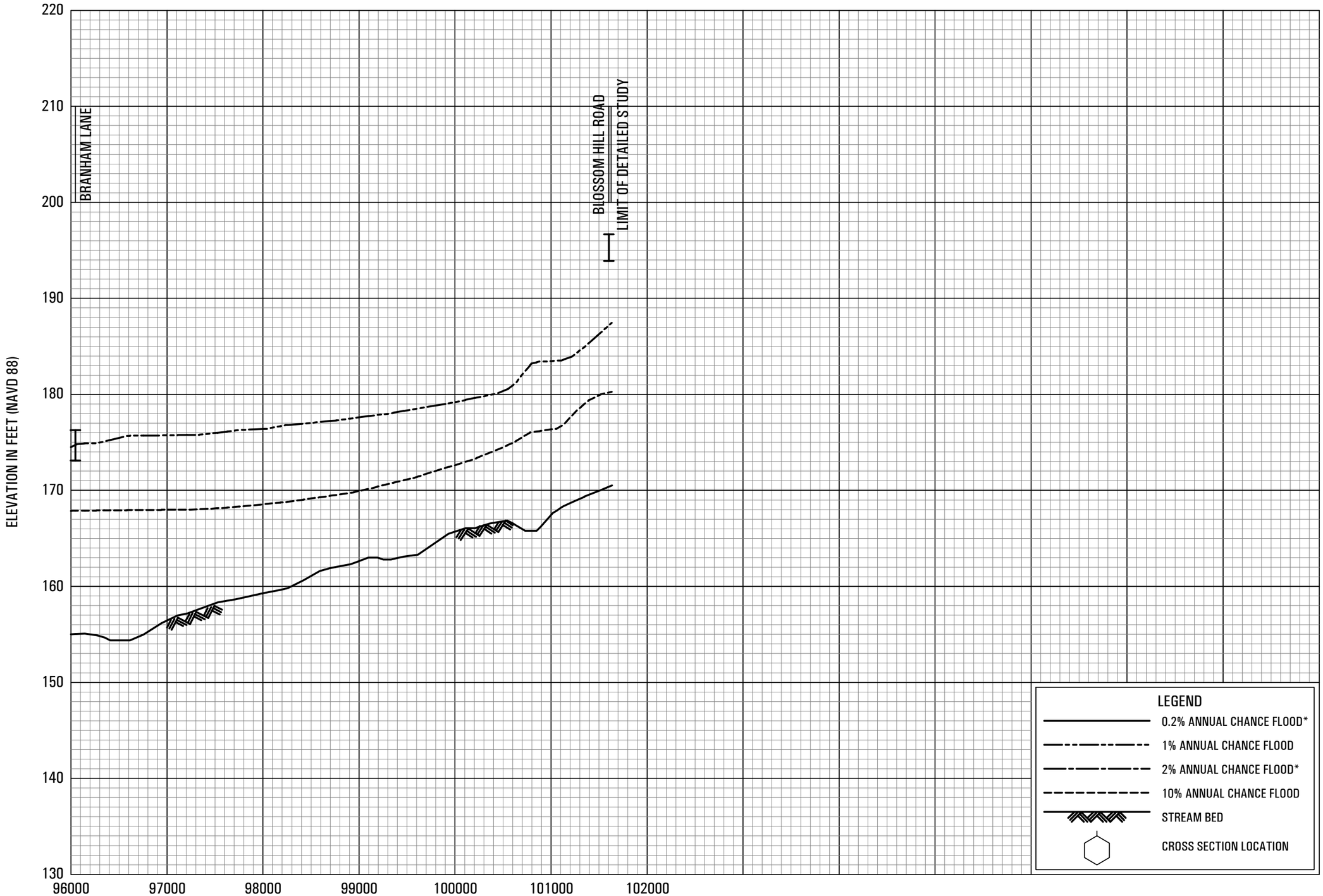

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FLOOD PROFILES

GUADALUPE RIVER

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SANTA CLARA COUNTY, CA

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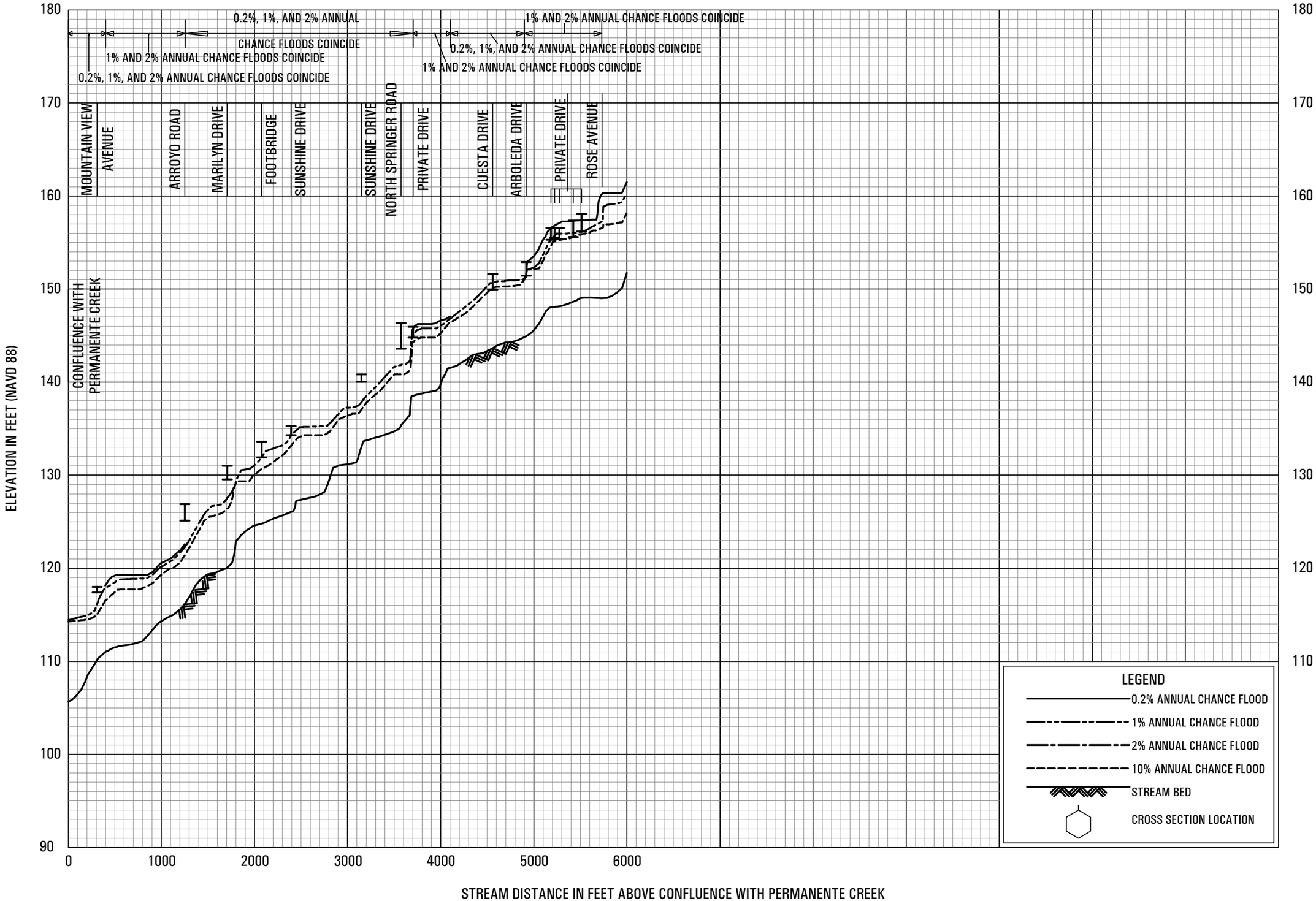


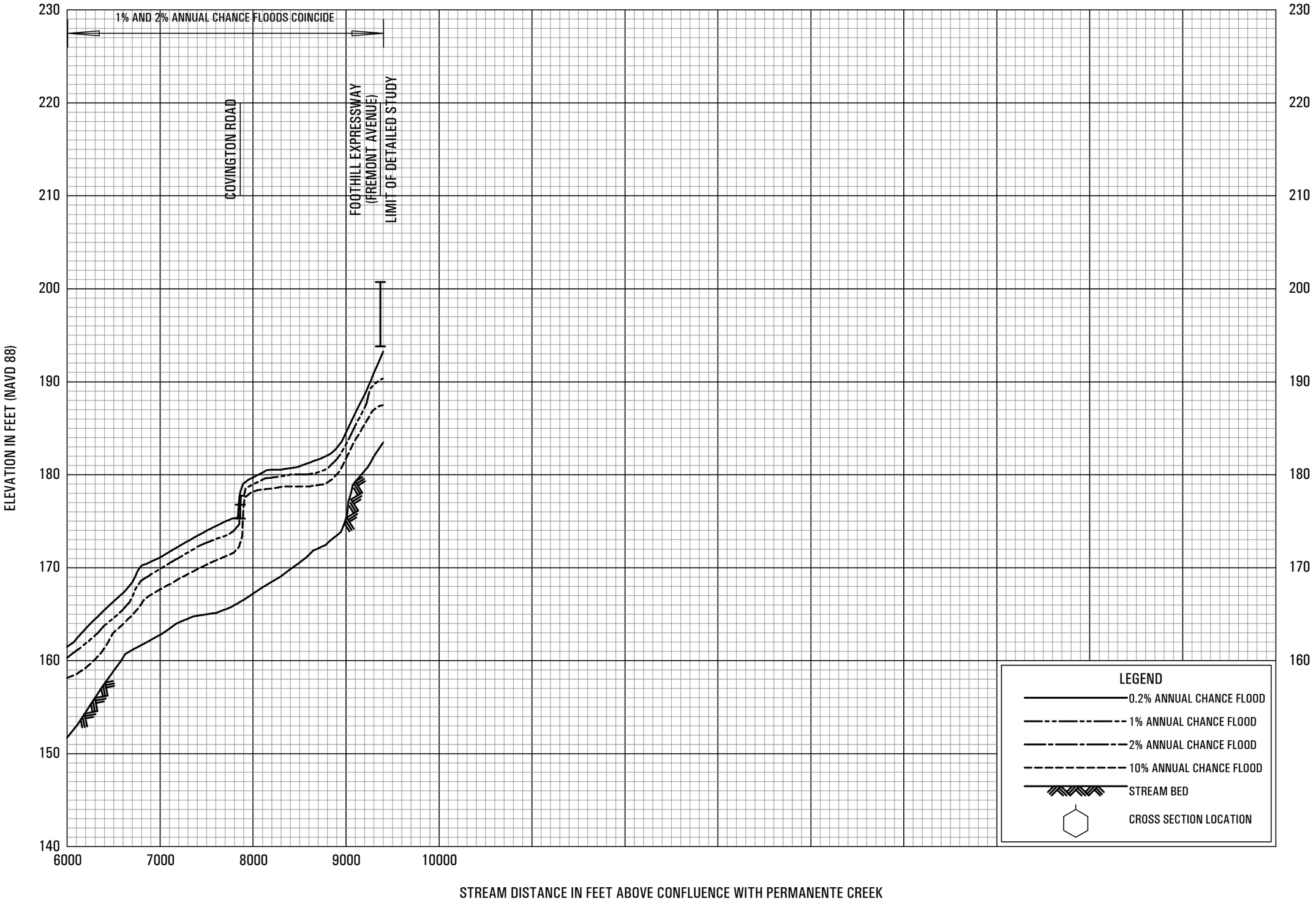
FLOOD PROFILES

HALE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

AND INCORPORATED AREAS



FLOOD PROFILES

HALE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

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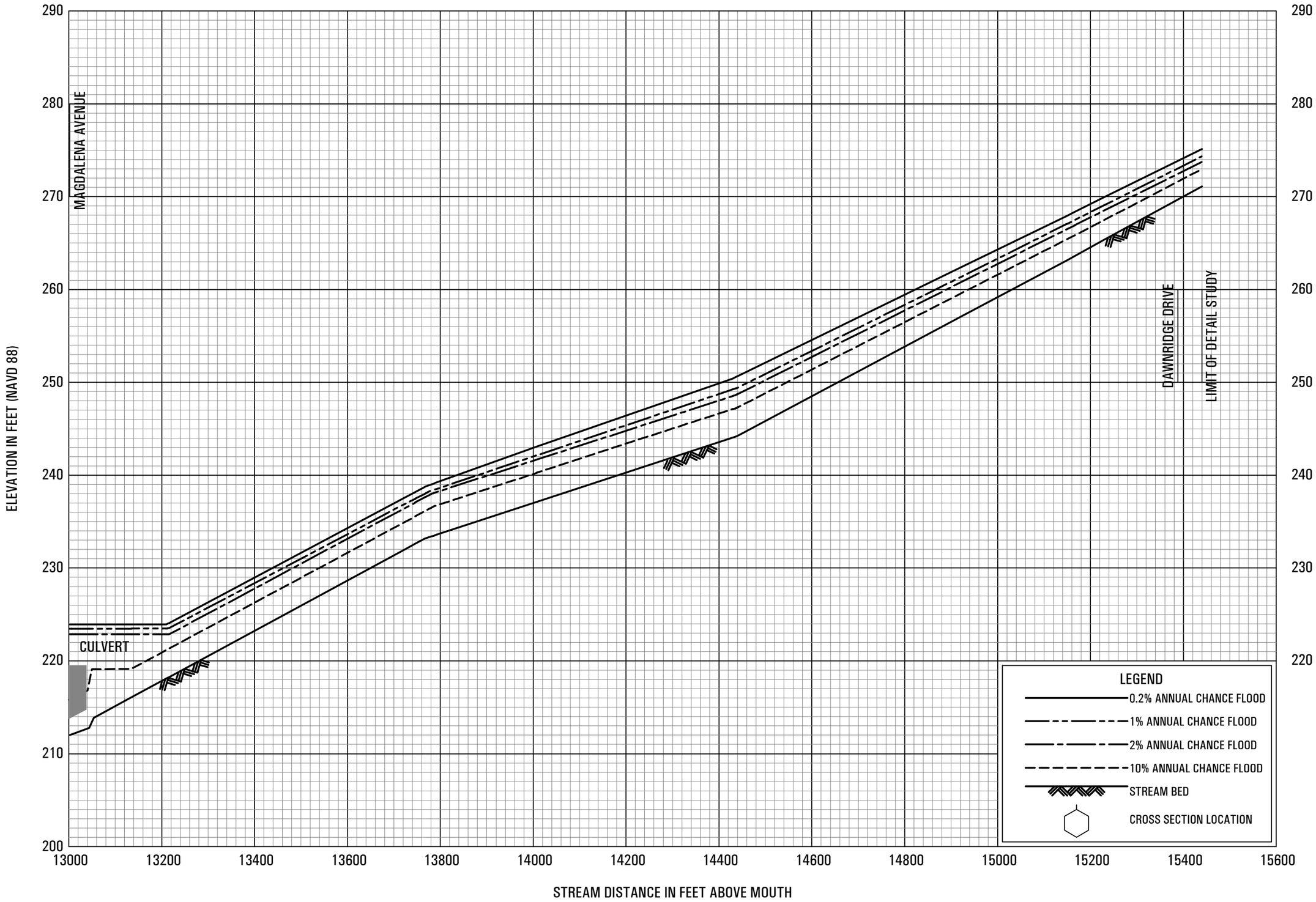

FLOOD PROFILES

HALE CREEK

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SANTA CLARA COUNTY, CA

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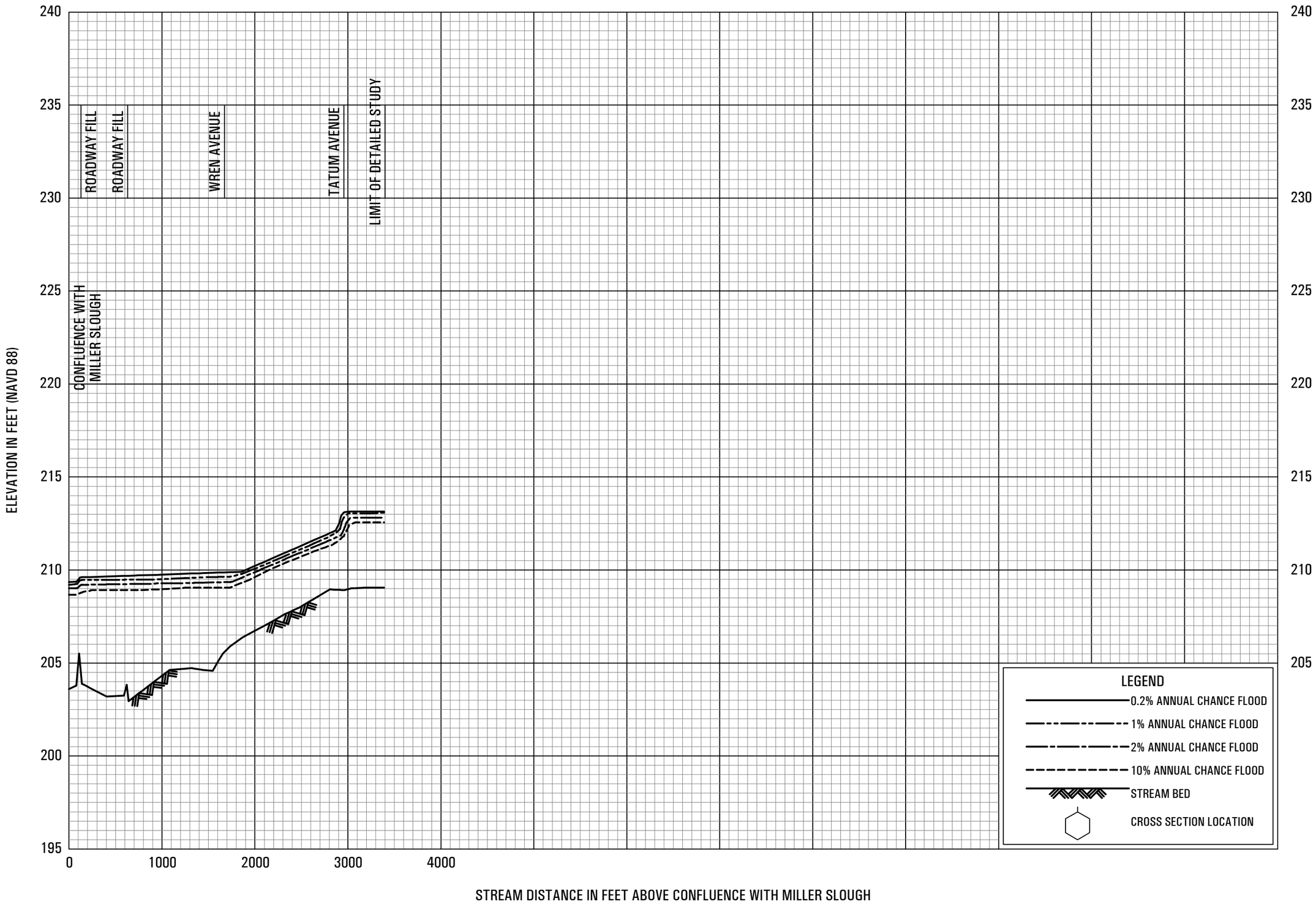

FLOOD PROFILES

LIONS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

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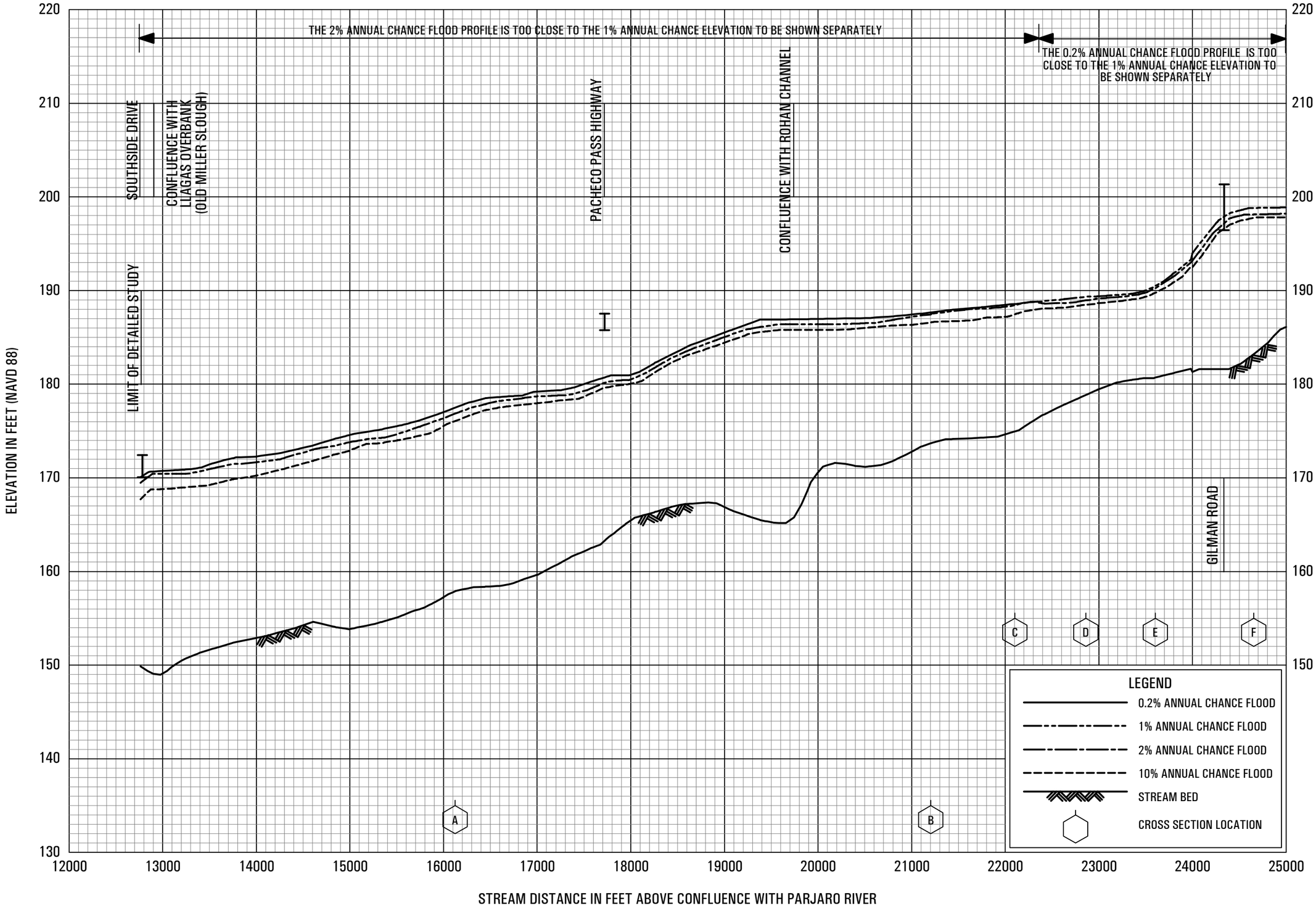

FLOOD PROFILES

LLAGAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

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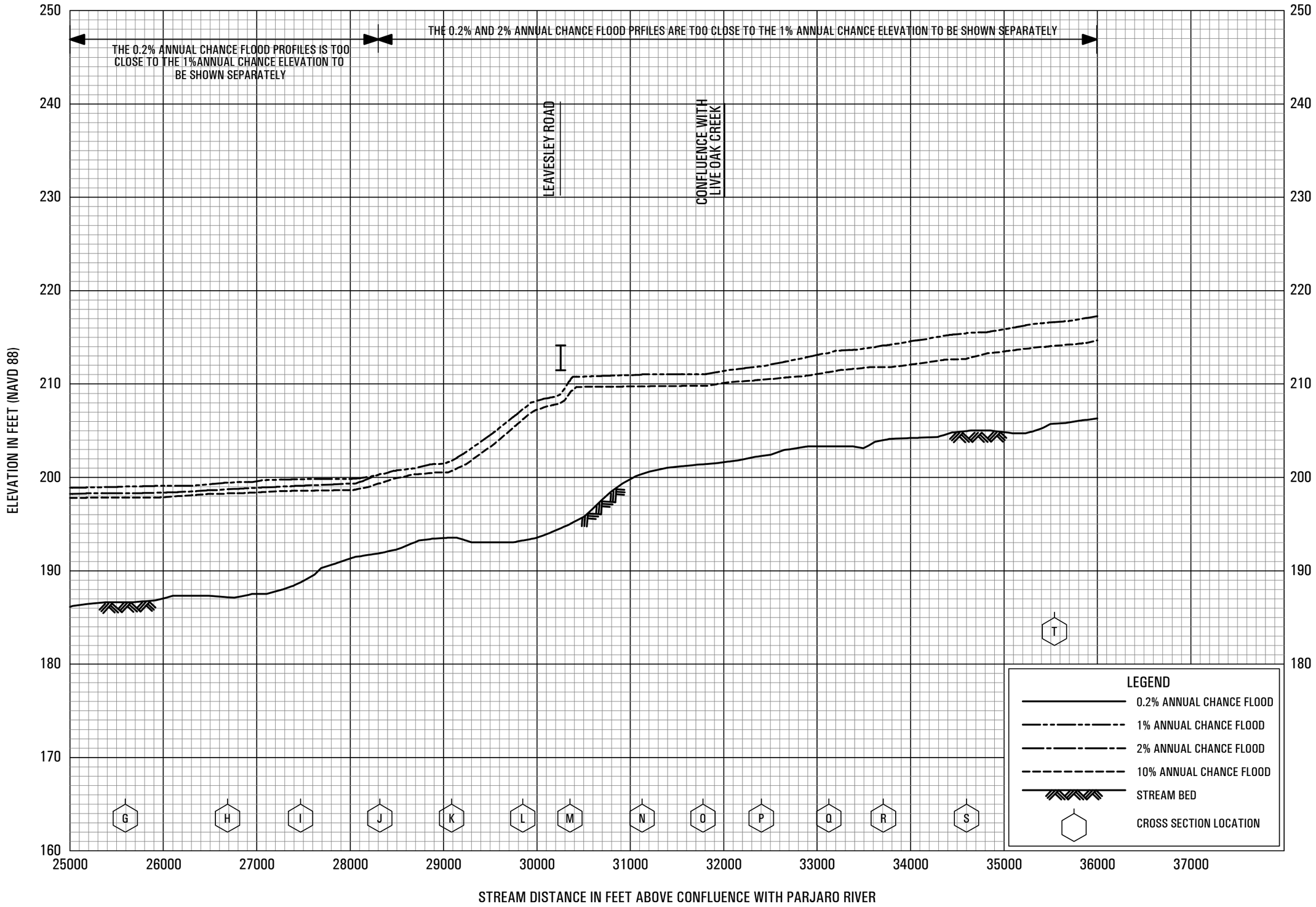

FLOOD PROFILES

LLAGAS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SANTA CLARA COUNTY, CA

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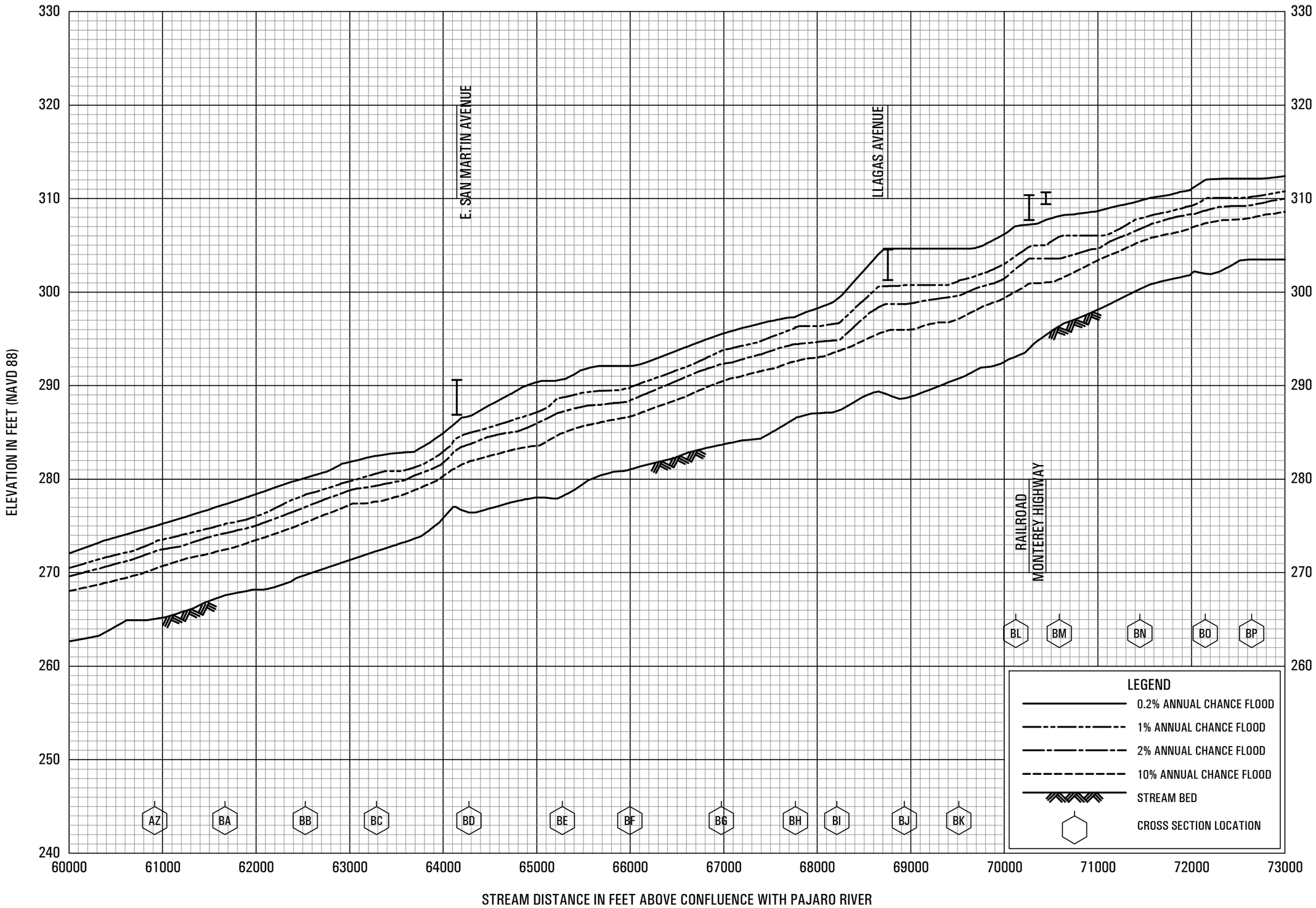

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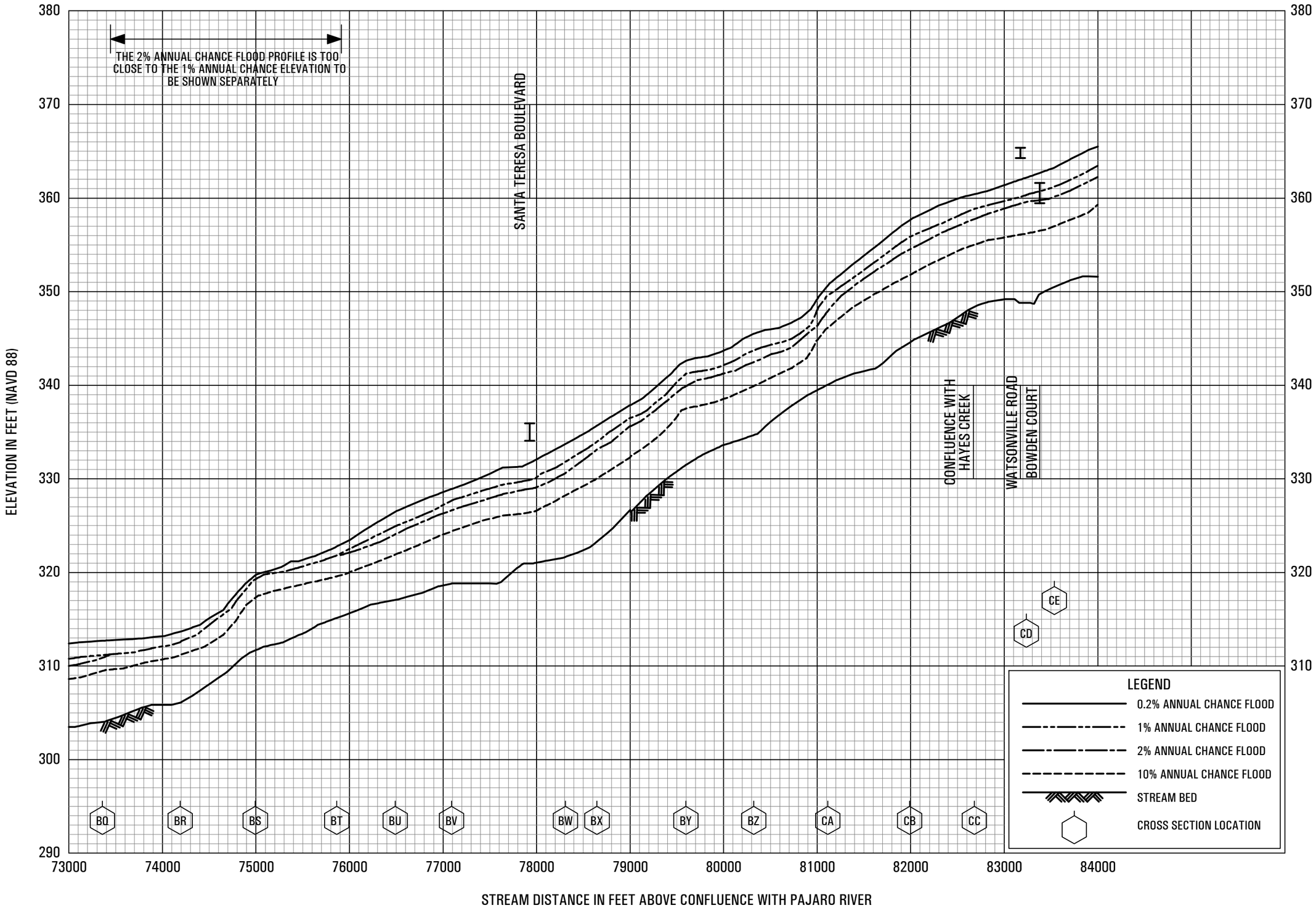

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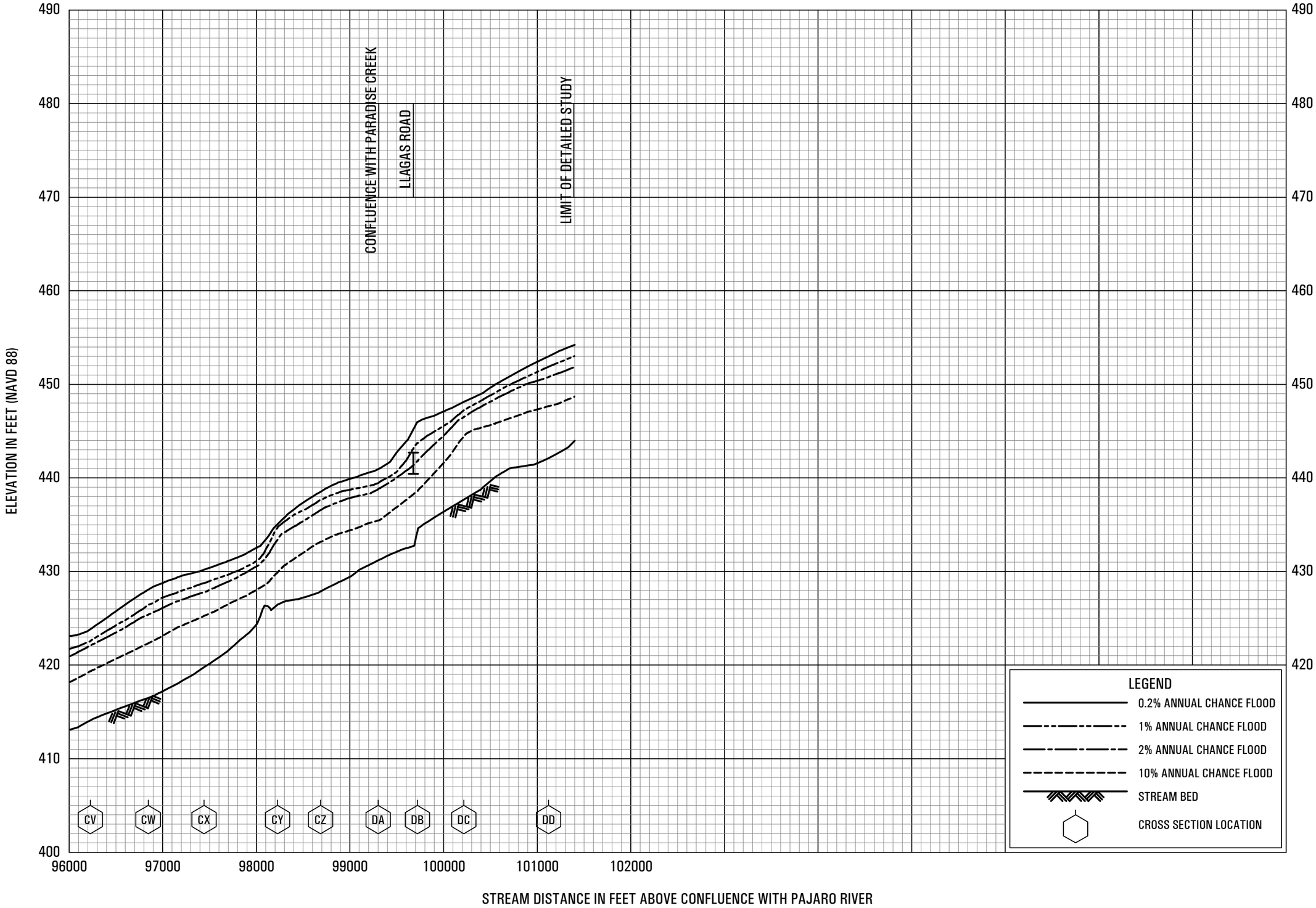

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LLAGAS CREEK

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SANTA CLARA COUNTY, CA

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