

FLOOD INSURANCE STUDY



VOLUME 3 OF 4

SAN BERNARDINO COUNTY, CALIFORNIA AND INCORPORATED AREAS

COMMUNITY NAME

ADELANTO, CITY OF
 APPLE VALLEY, TOWN OF
 BARSTOW, CITY OF
 BIG BEAR LAKE, CITY OF
 CHINO, CITY OF
 CHINO HILLS, CITY OF
 COLORADO RIVER INDIAN RESERVATION
 COLTON, CITY OF
 FONTANA, CITY OF
 FORT MOJAVE INDIAN RESERVATION
 GRAND TERRACE, CITY OF
 HESPERIA, CITY OF
 HIGHLAND, CITY OF
 LOMA LINDA, CITY OF
 MONTCLAIR, CITY OF
 NEEDLES, CITY OF
 ONTARIO, CITY OF
 RANCHO CUCAMONGA, CITY OF
 REDLANDS, CITY OF
 RIALTO, CITY OF
 SAN BERNARDINO, CITY OF
 SAN BERNARDINO COUNTY,
 (UNINCORPORATED AREAS)
 TWENTYNINE PALMS, CITY OF
 UPLAND, CITY OF
 VICTORVILLE, CITY OF
 YUCAIPA, CITY OF
 YUCCA VALLEY, TOWN OF

COMMUNITY NUMBER

060639
 060752
 060271
 060731
 060272
 060754
 060069
 060273
 060274
 060743
 060737
 060733
 060732
 065042
 060276
 060277
 060278
 060671
 060279
 060280
 060281

 060270
 060734
 065067
 065068
 060739
 060750



San Bernardino County

REVISED:
 September 2, 2016



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
 06071CV003D

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.

ATTENTION: On FIRM panels 06061C7930J, 06061C7940J, 06061C8709J, and 06061C8730J, the Cable Creek, Macy Basin, and Mill Creek levees have not been demonstrated by the community or levee owner to meet the requirements of Section 65.10 of the NFIP regulations in 44 CFR as it relates to the levee's capacity to provide 1-percent- annual -chance flood protection. The subject areas are identified on FIRM panels (with notes and bounding lines) and in the FIS report as potential areas of flood hazard data changes based on further review.

FEMA has updated the levee analysis and mapping procedures for non-accredited levees. Until such time as FEMA is able to initiate a new flood risk project to apply the new procedures, the flood hazard information on the aforementioned FIRM panel(s) that are affected by Cable Creek, Macy Basin, and Mill Creek levees are being added as a snapshot of the prior previously effective information presented on the FIRMs and FIS reports dated August 28, 2008. As indicated above, it is expected that affected flood hazard data within the subject area could be significantly revised. This may result in floodplain boundary changes, 1-percent- annual -chance flood elevation changes, and/or changes to flood hazard zone designations.

The effective FIRM panels (and the FIS report) will again be revised at a later date to update the flood hazard information associated with the Cable Creek, Macy Basin, and Mill Creek levees when FEMA is able to initiate and complete a new flood risk project to apply the updated levee analysis and mapping procedures.

This FIS report was revised on September 2, 2016. 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: March 18, 1996

First Revised Countywide FIS Date: August 28, 2008

Second Revised Countywide FIS Date: September 26, 2014

Third Revised Countywide FIS Date: February 18, 2015

Fourth Revised Countywide FIS Date: September 2, 2016

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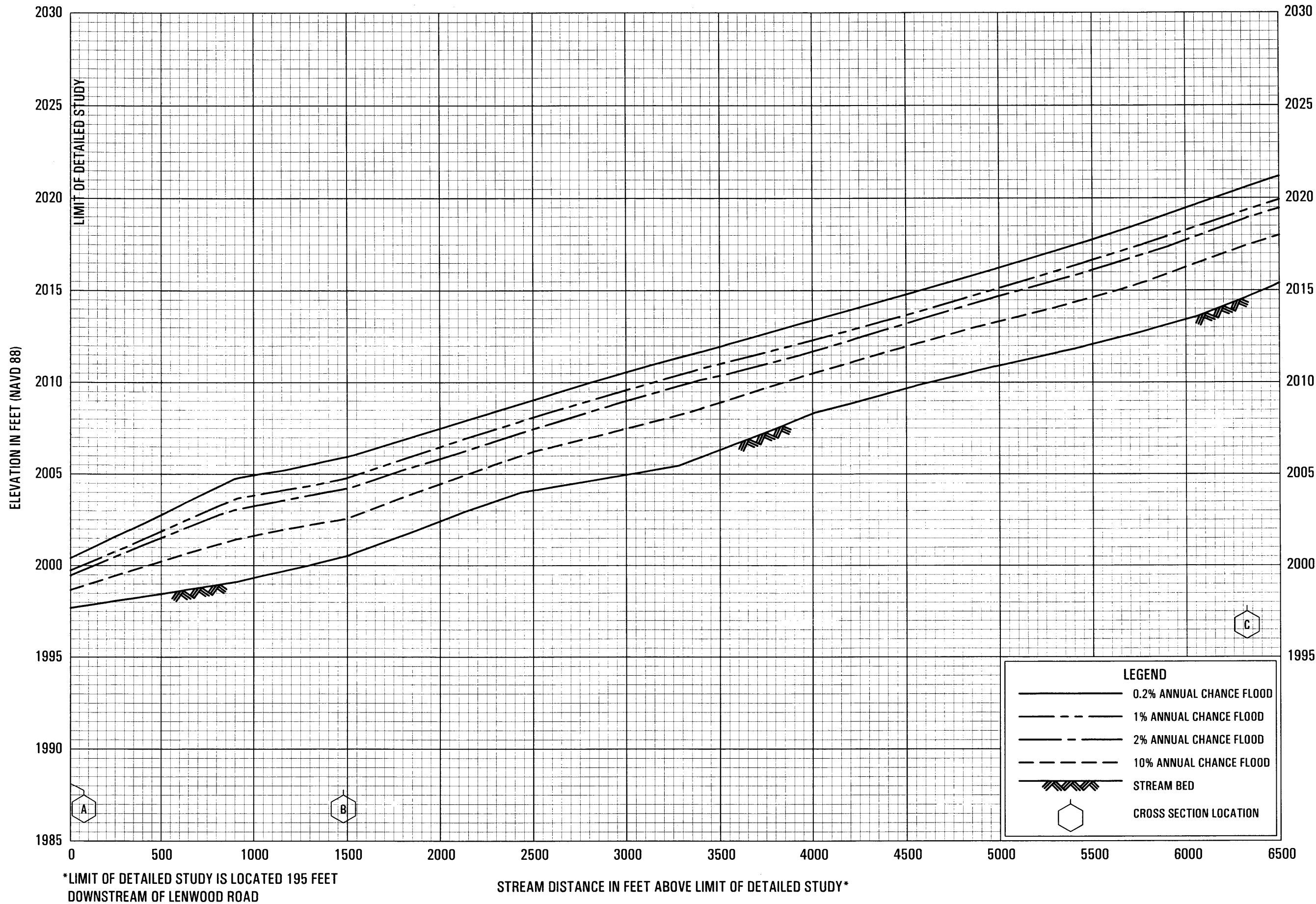
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*LIMIT OF DETAILED STUDY IS LOCATED 195 FEET
DOWNSTREAM OF LENWOOD ROAD

FLOOD PROFILES

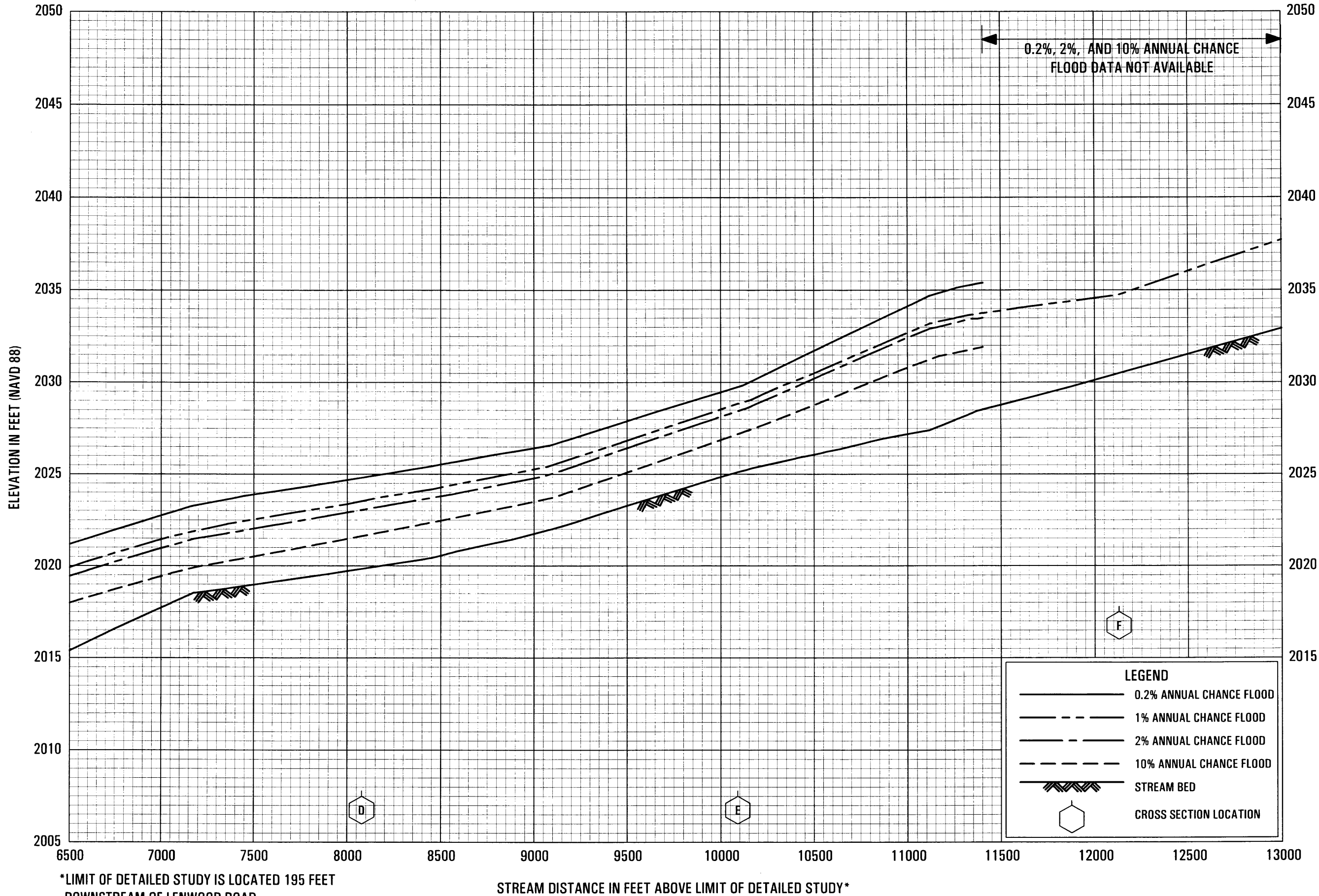
MOJAVE RIVER (AT BARSTOW)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

100P

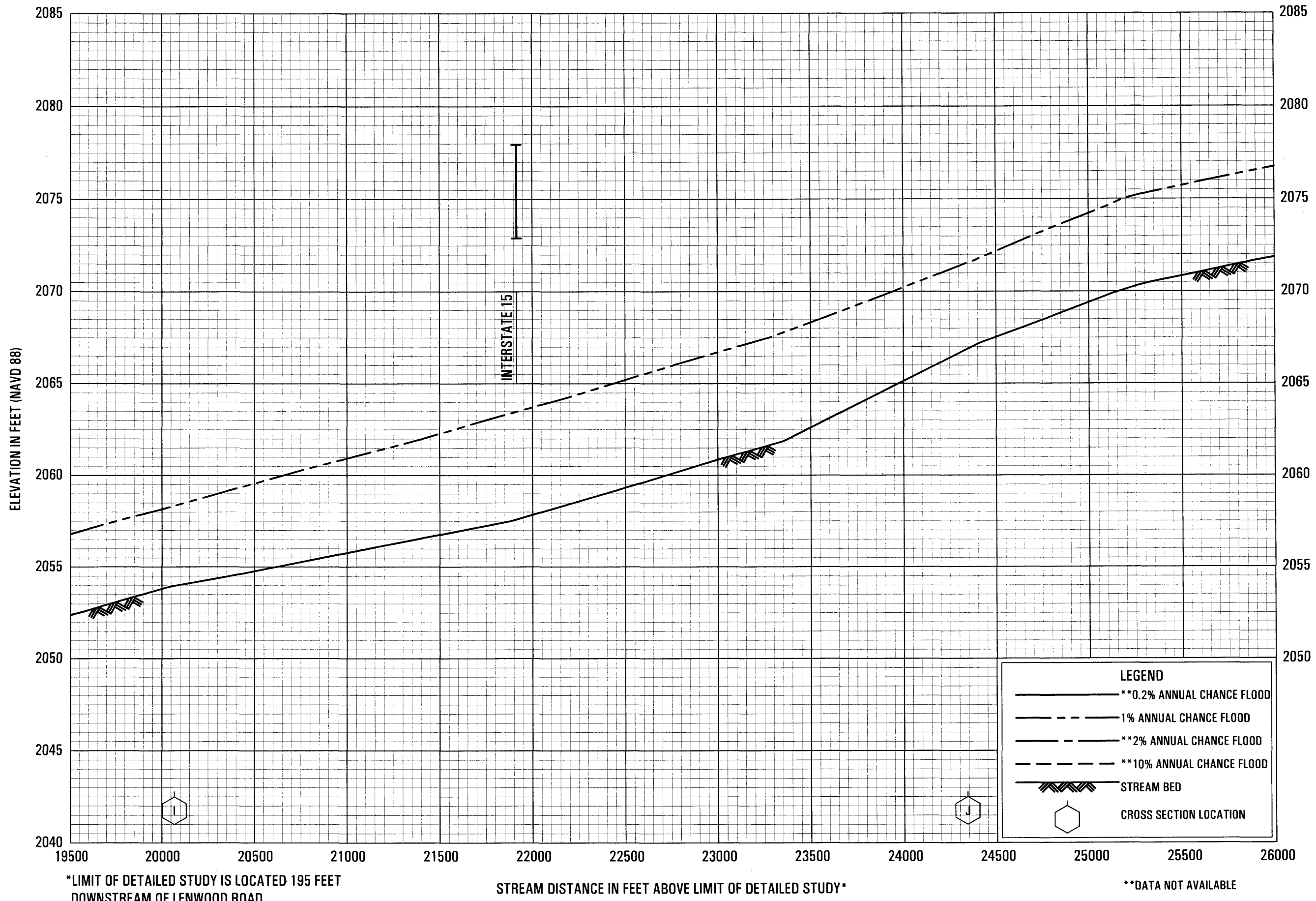


FLOOD PROFILES

MOJAVE RIVER (AT BARSTOW)

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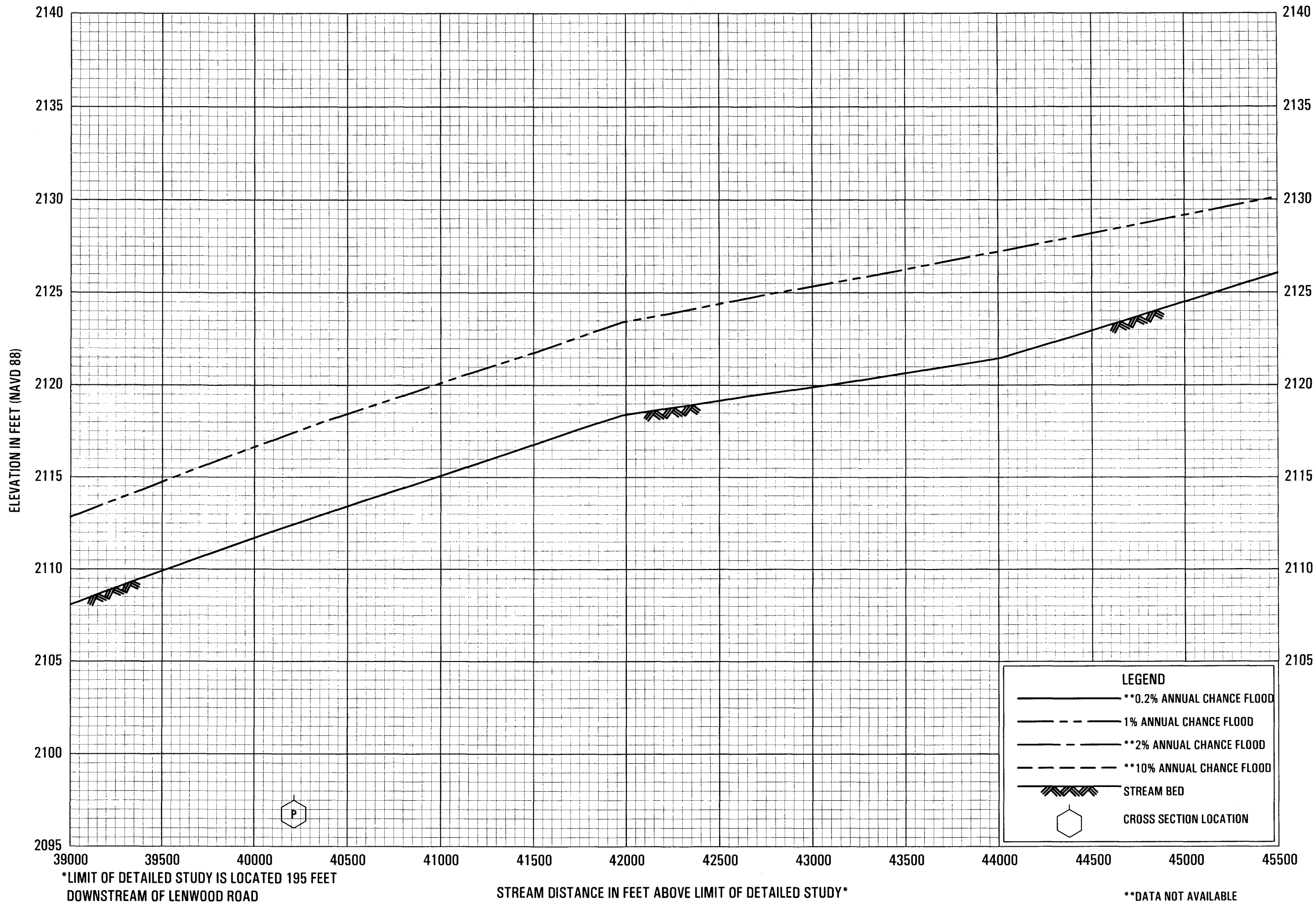
101P



FLOOD PROFILES

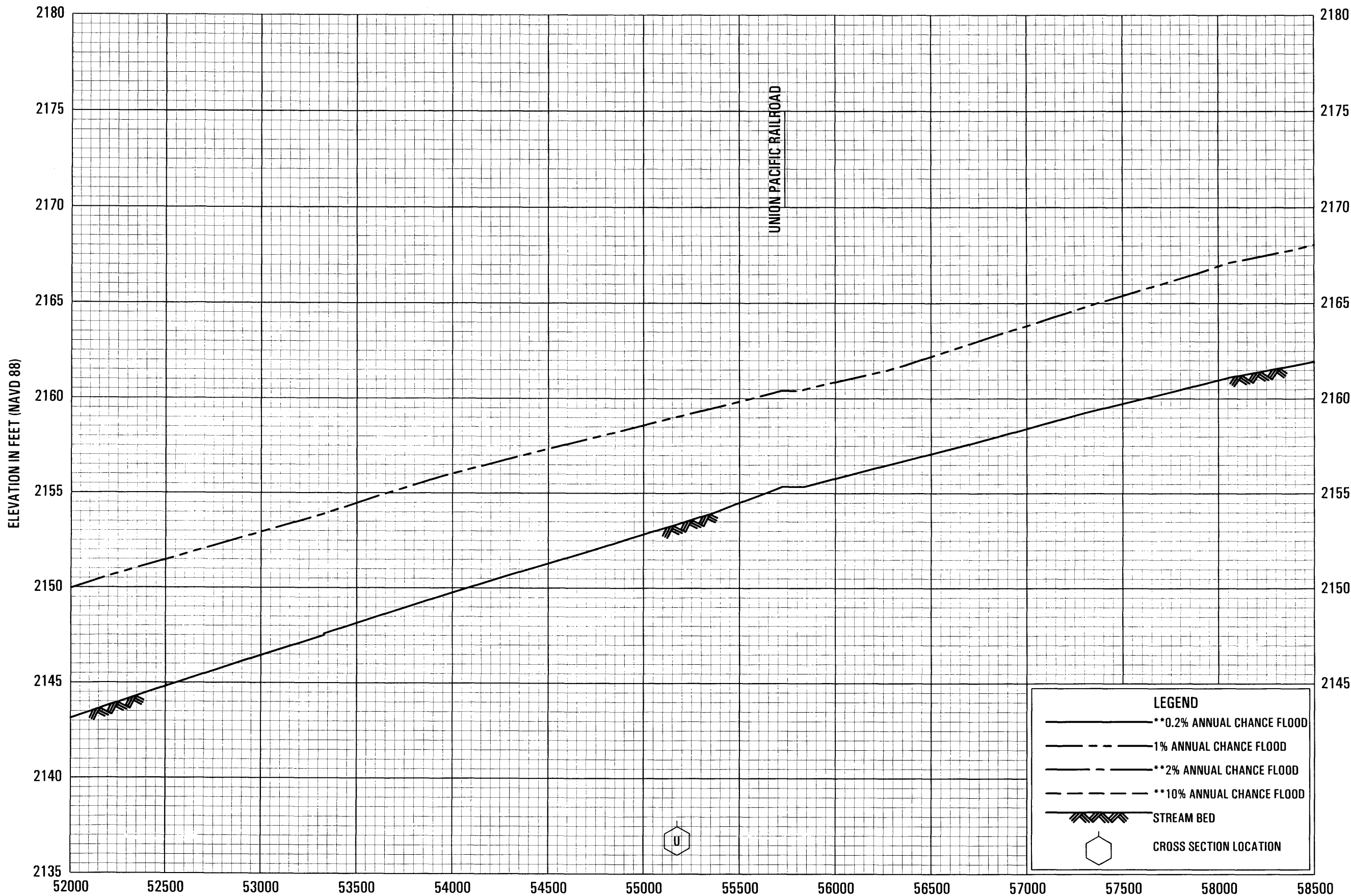
MOJAVE RIVER (AT BARSTOW)

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FLOOD PROFILES
 MOJAVE RIVER (AT BARSTOW)



*LIMIT OF DETAILED STUDY IS LOCATED 195 FEET
DOWNSTREAM OF LENWOOD ROAD

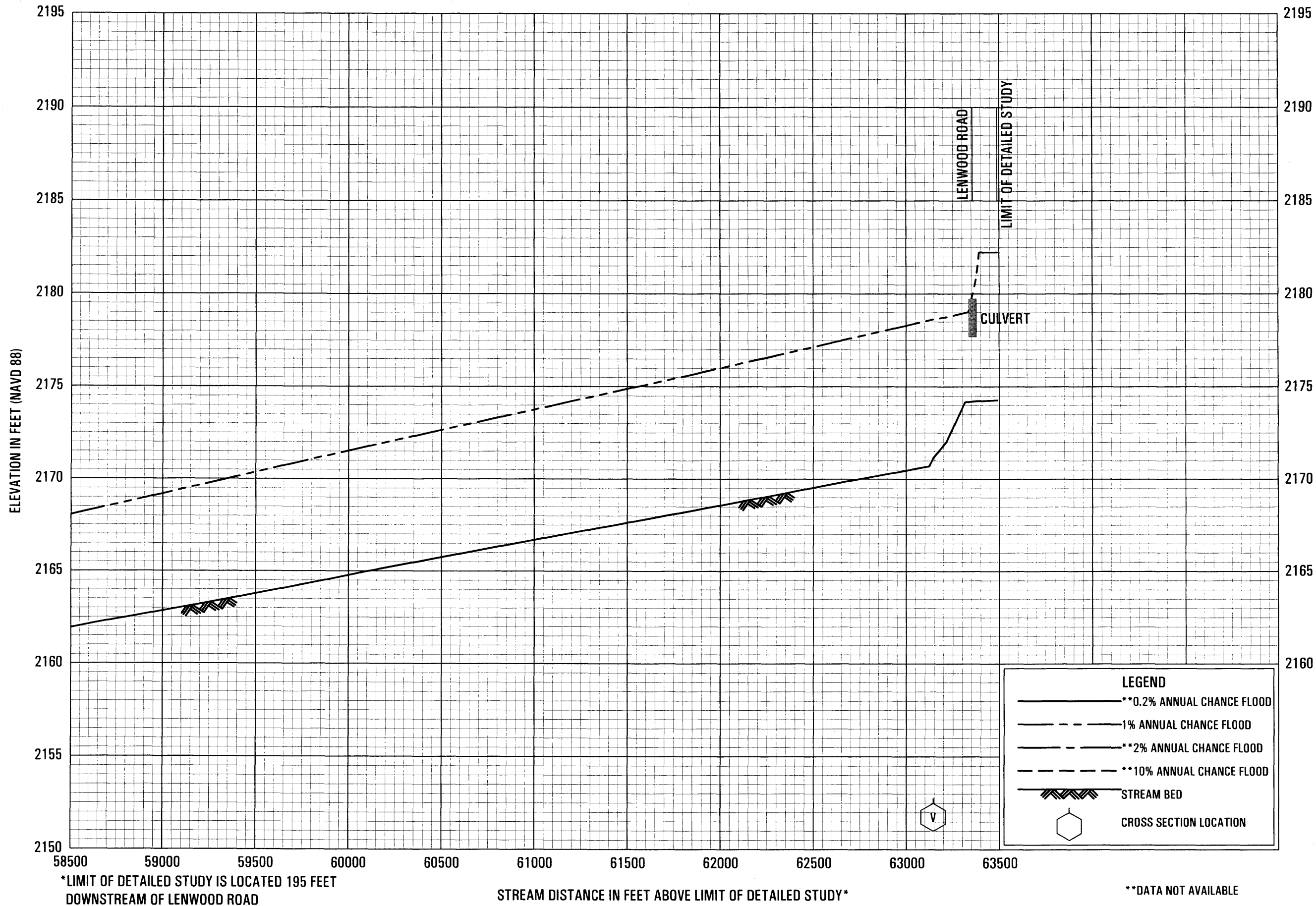
STREAM DISTANCE IN FEET ABOVE LIMIT OF DETAILED STUDY*

**DATA NOT AVAILABLE

FLOOD PROFILES

MOJAVE RIVER (AT BARSTOW)

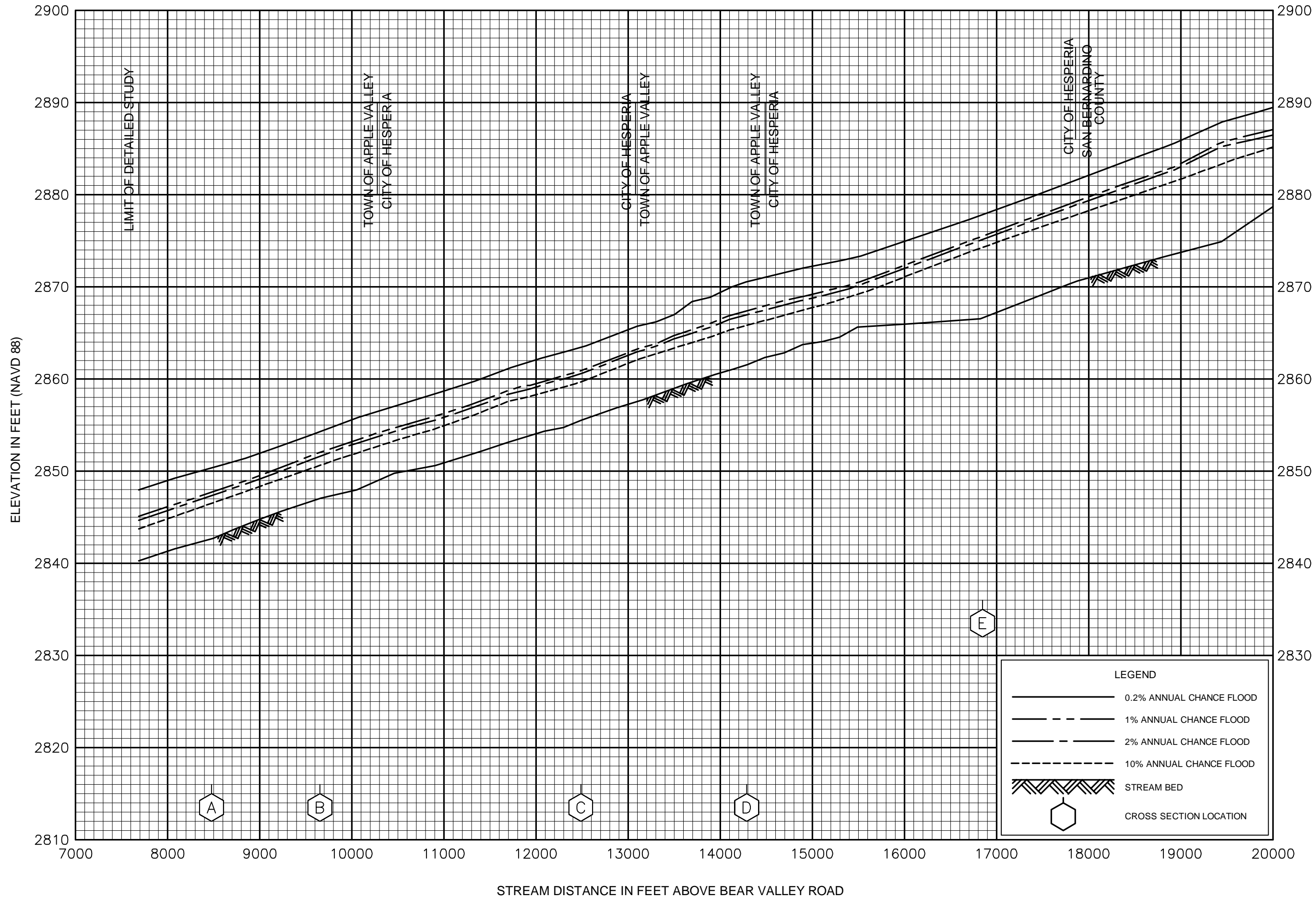
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MOJAVE RIVER (AT BARSTOW)

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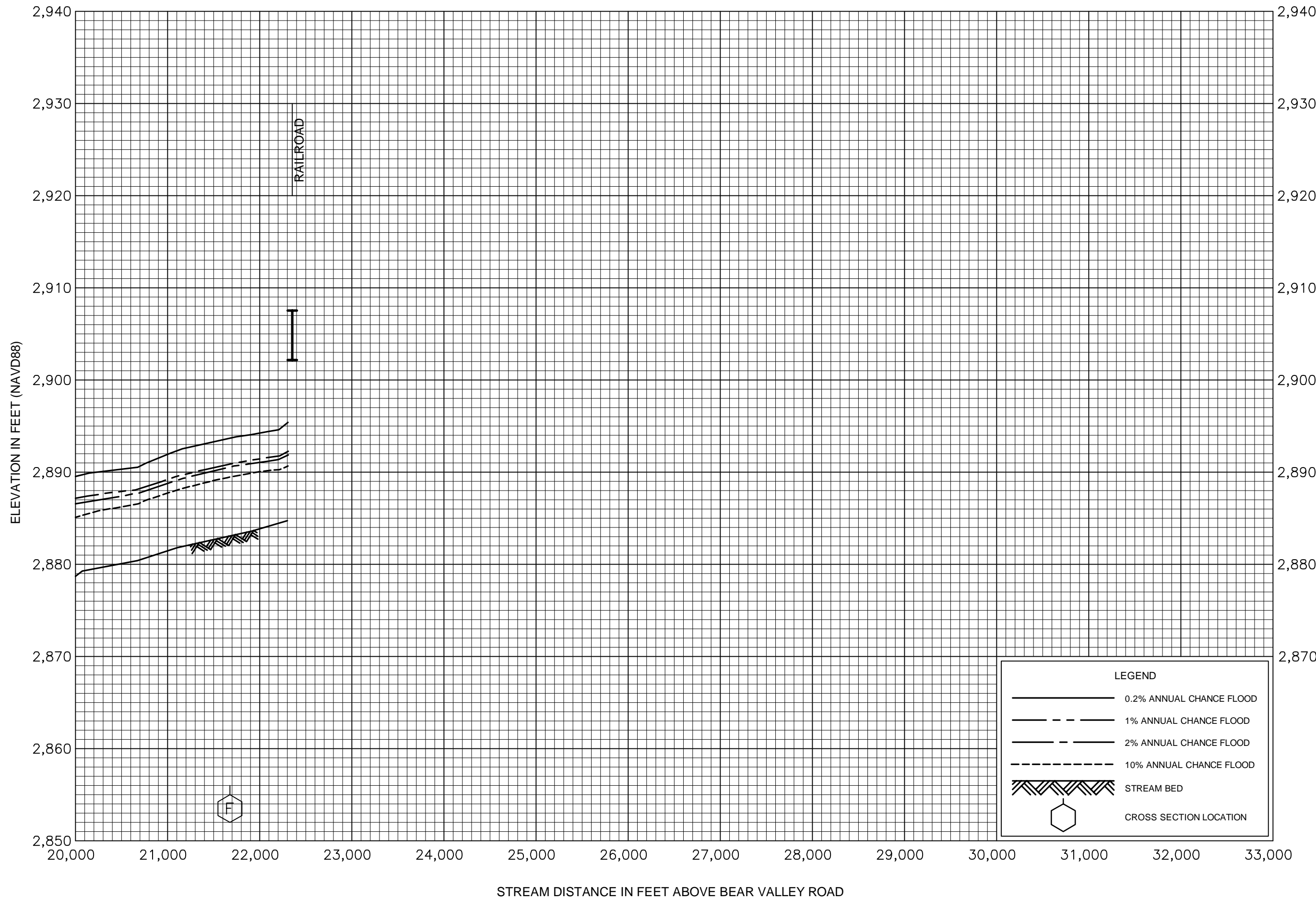


FLOOD PROFILES

MOJAVE RIVER (AT HESPERIA AND APPLE VALLEY)

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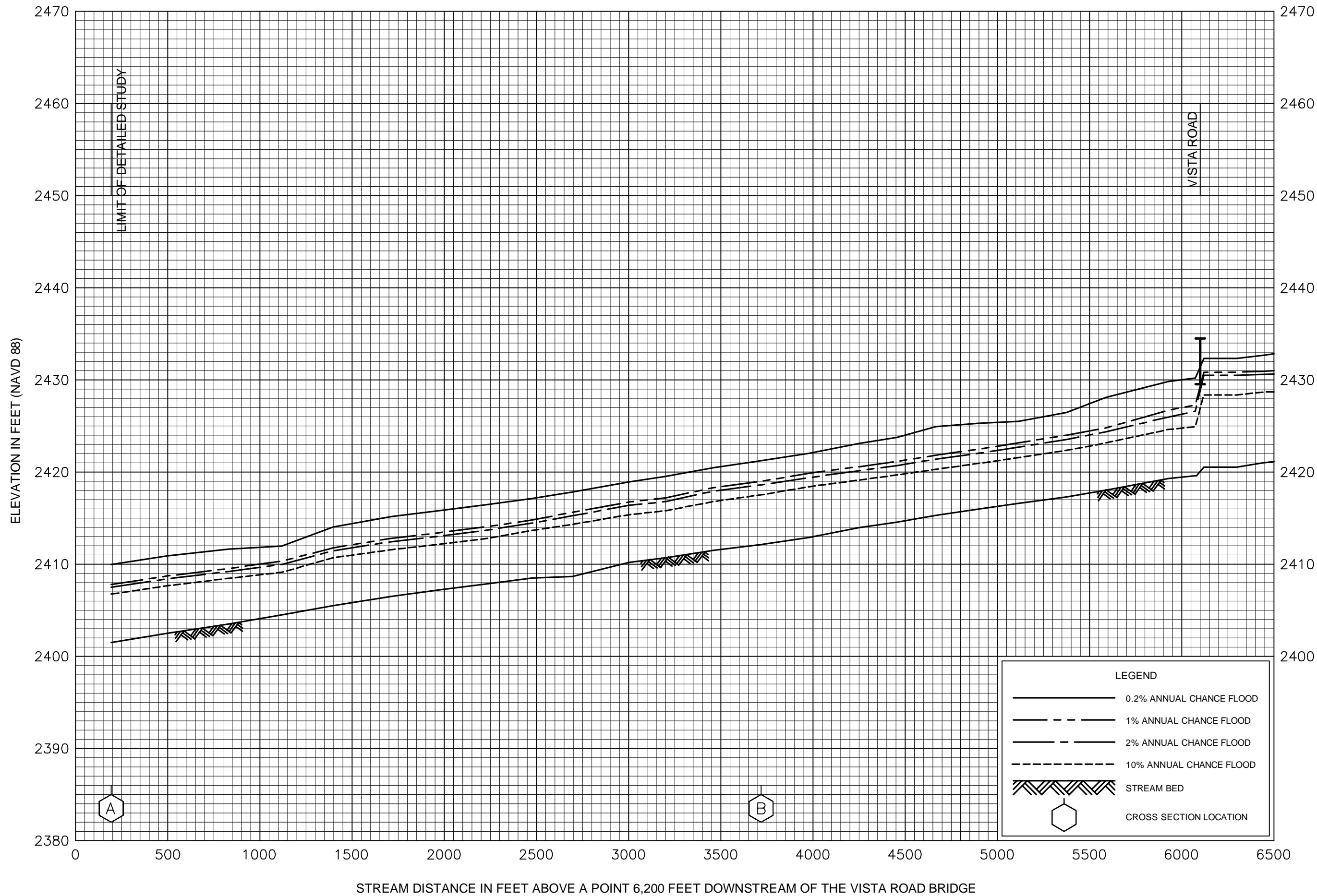
LEGEND

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

FLOOD PROFILES

MOJAVE RIVER (AT HESPERIA AND APPLE VALLEY)

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 AND INCORPORATED AREAS



STREAM DISTANCE IN FEET ABOVE A POINT 6,200 FEET DOWNSTREAM OF THE VISTA ROAD BRIDGE

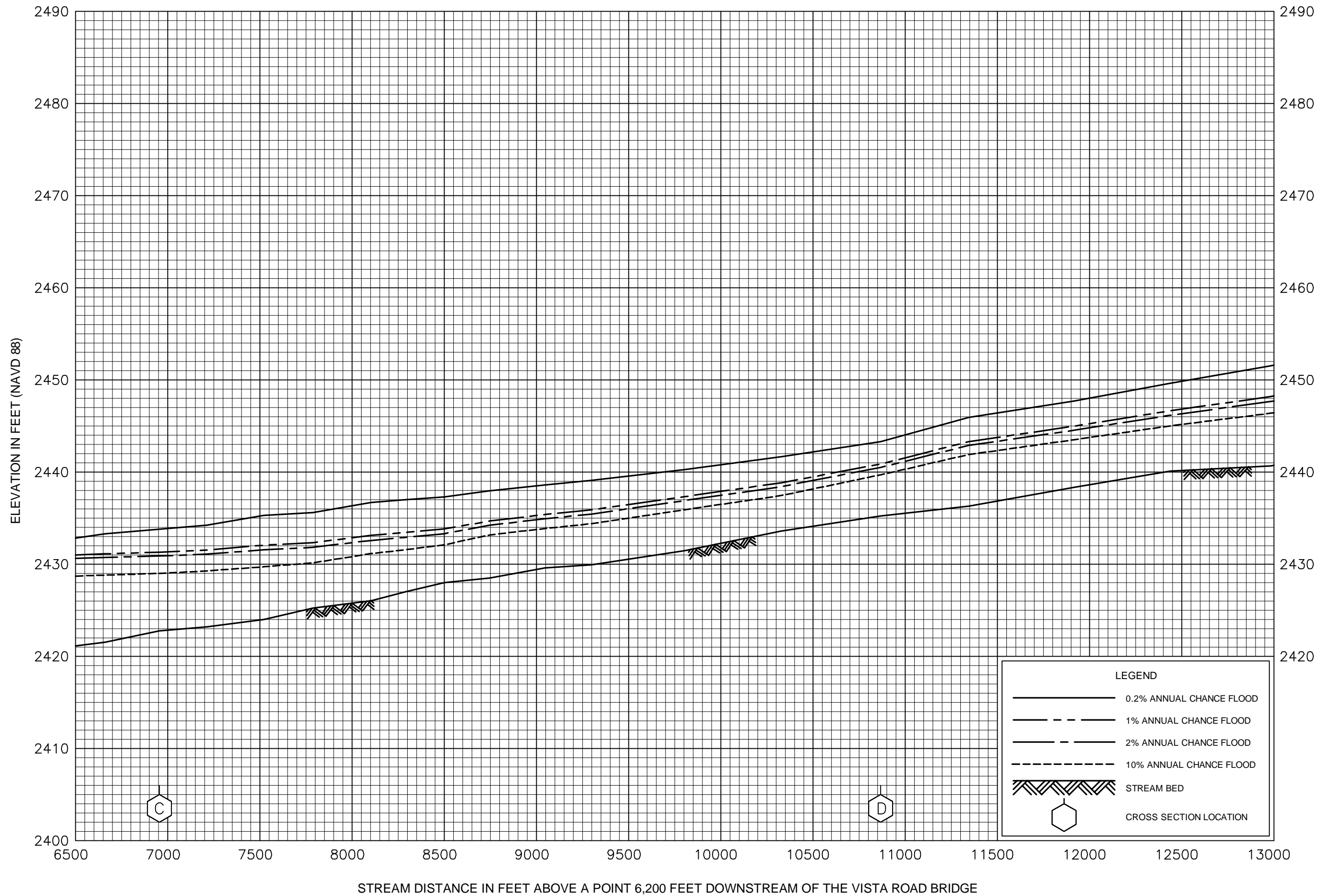
FLOOD PROFILES

MOJAVE RIVER (BELOW VICTORVILLE) (WITH LEVEE)

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AND INCORPORATED AREAS

110aP

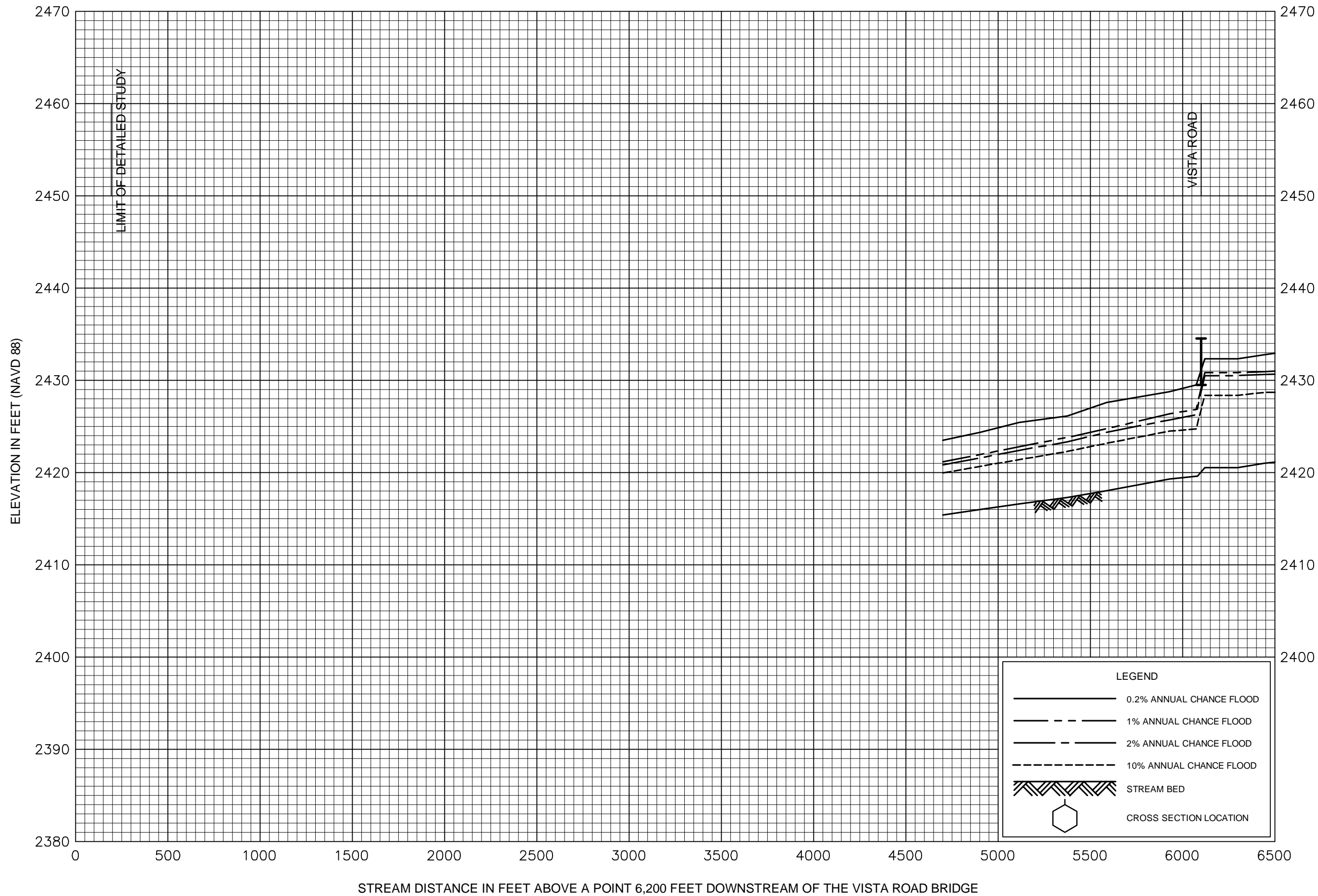


FLOOD PROFILES

MOJAVE RIVER (BELOW VICTORVILLE) (WITH LEVEE)

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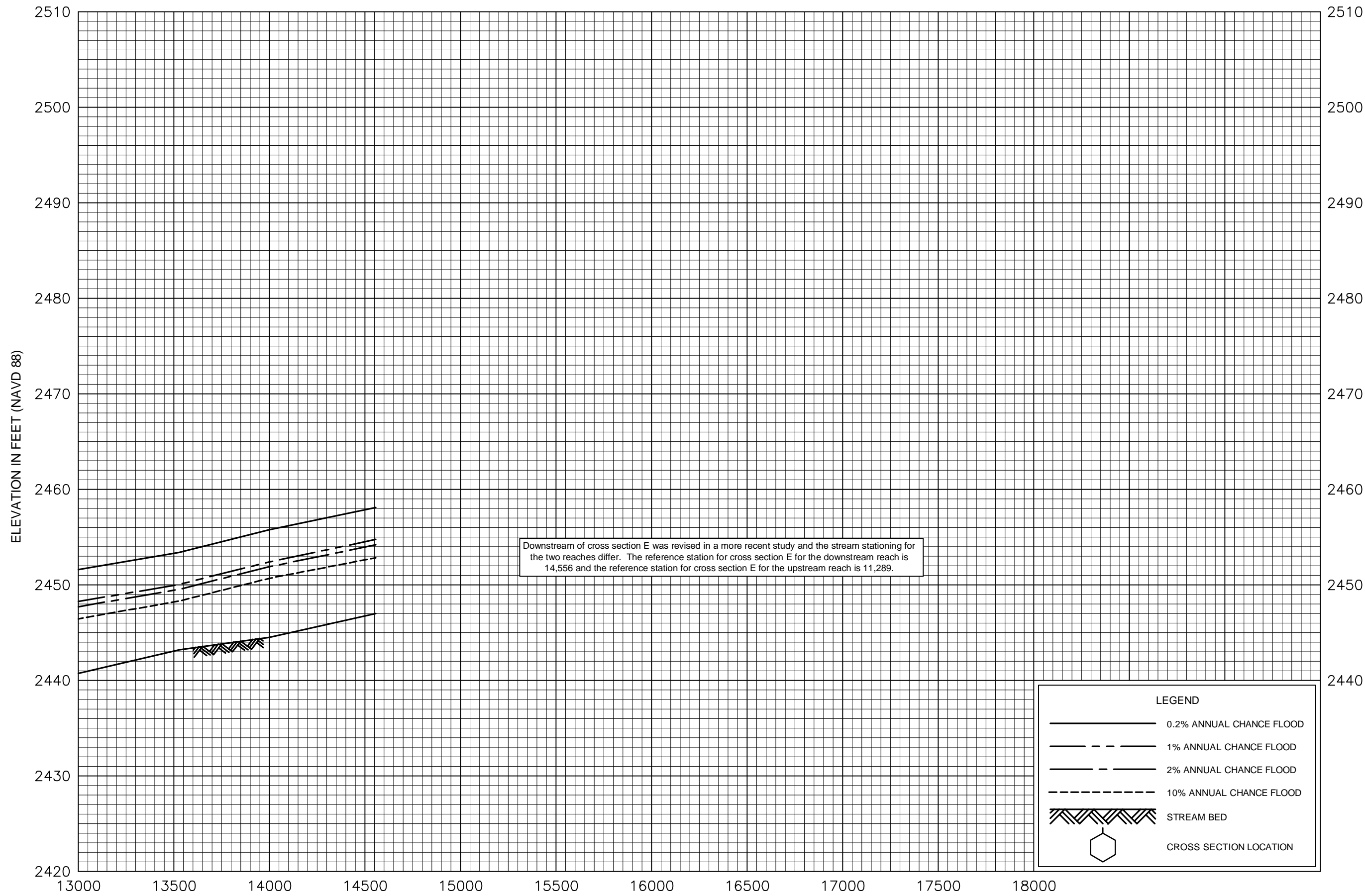
STREAM DISTANCE IN FEET ABOVE A POINT 6,200 FEET DOWNSTREAM OF THE VISTA ROAD BRIDGE

FLOOD PROFILES







MOJAVE RIVER (BELOW VICTORVILLE) (WITHOUT LEVEE)

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 AND INCORPORATED AREAS

110dP



Downstream of cross section E was revised in a more recent study and the stream stationing for the two reaches differ. The reference station for cross section E for the downstream reach is 14,556 and the reference station for cross section E for the upstream reach is 11,289.

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

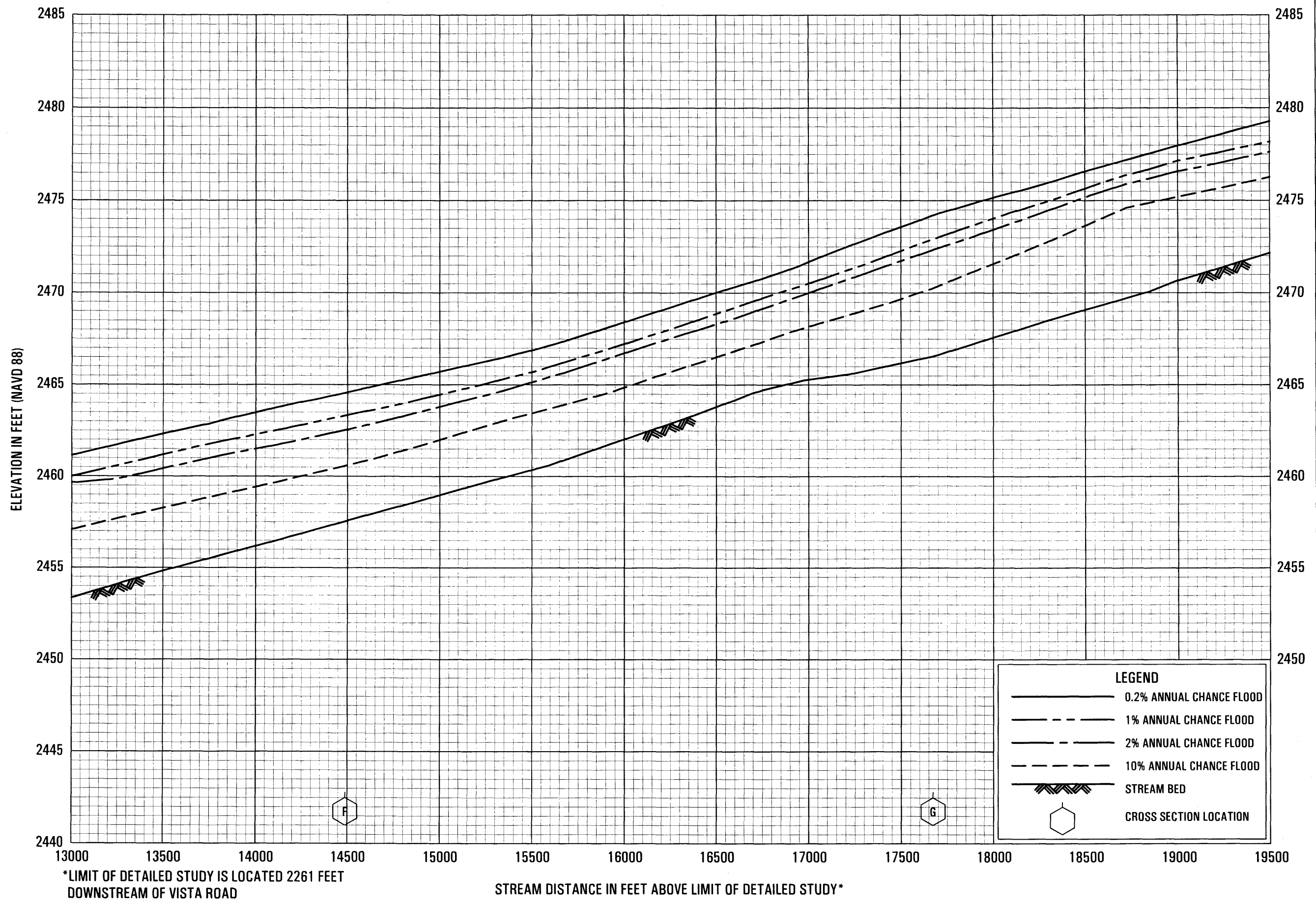
STREAM DISTANCE IN FEET ABOVE A POINT 6,200 FEET DOWNSTREAM OF THE VISTA ROAD BRIDGE

FLOOD PROFILES

MOJAVE RIVER (BELOW VICTORVILLE) (WITHOUT LEVEE)

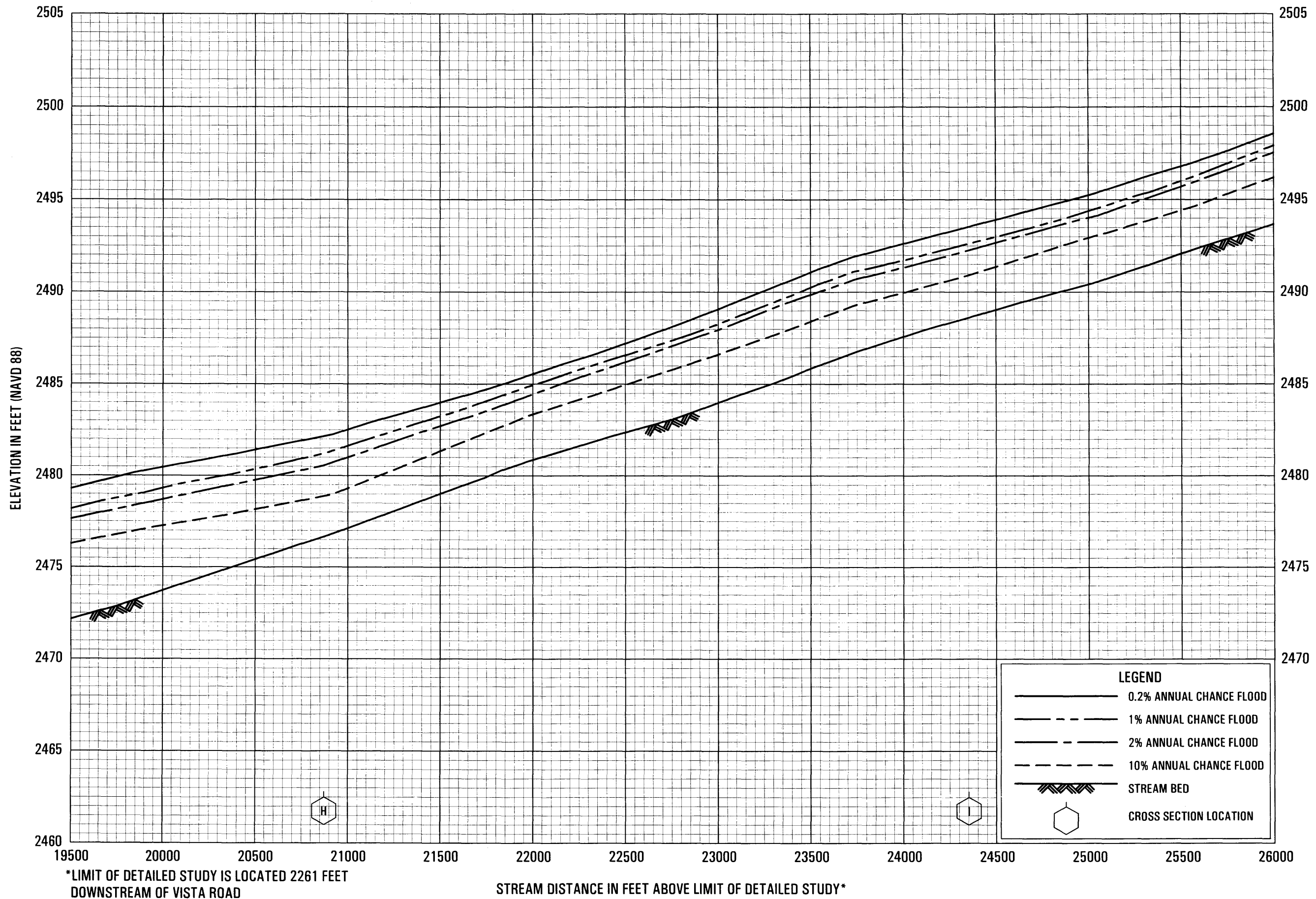
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FLOOD PROFILES
MOJAVE RIVER (BELOW VICTORVILLE)

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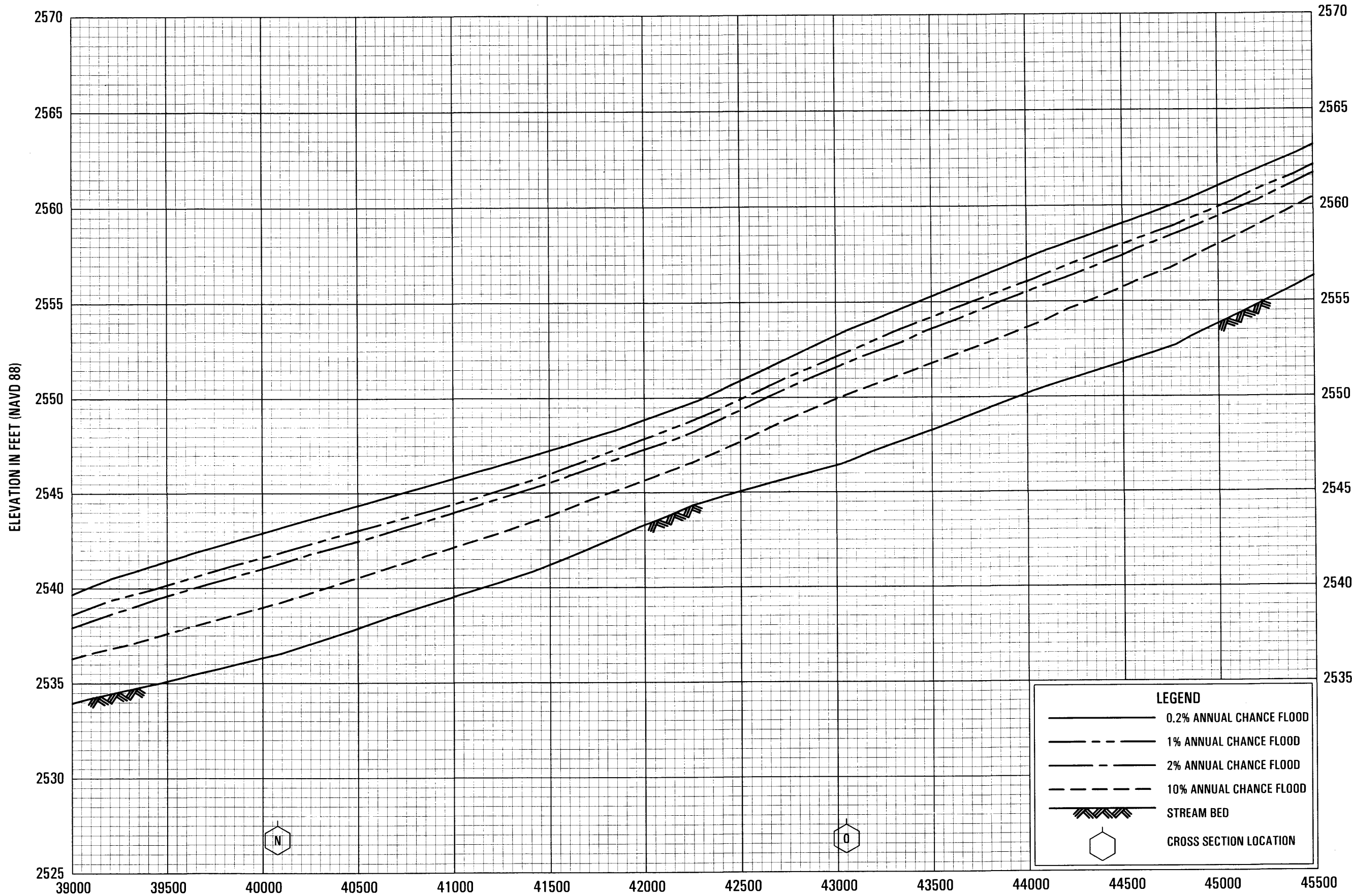
FLOOD PROFILES

MOJAVE RIVER (BELOW VICTORVILLE)

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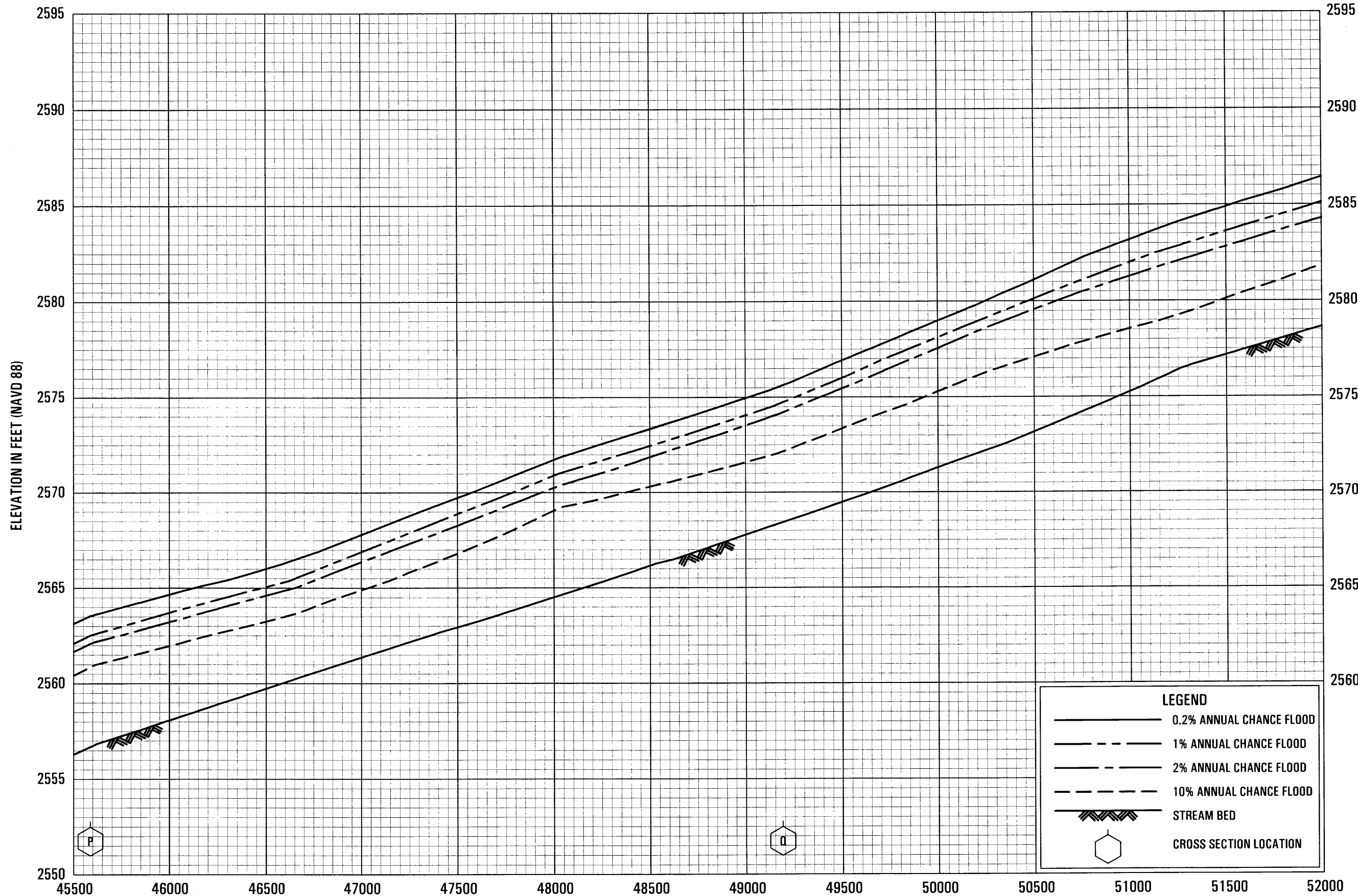


*LIMIT OF DETAILED STUDY IS LOCATED 2261 FEET
DOWNSTREAM OF VISTA ROAD

STREAM DISTANCE IN FEET ABOVE LIMIT OF DETAILED STUDY*

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AND INCORPORATED AREAS

FLOOD PROFILES
MOJAVE RIVER (BELOW VICTORVILLE)

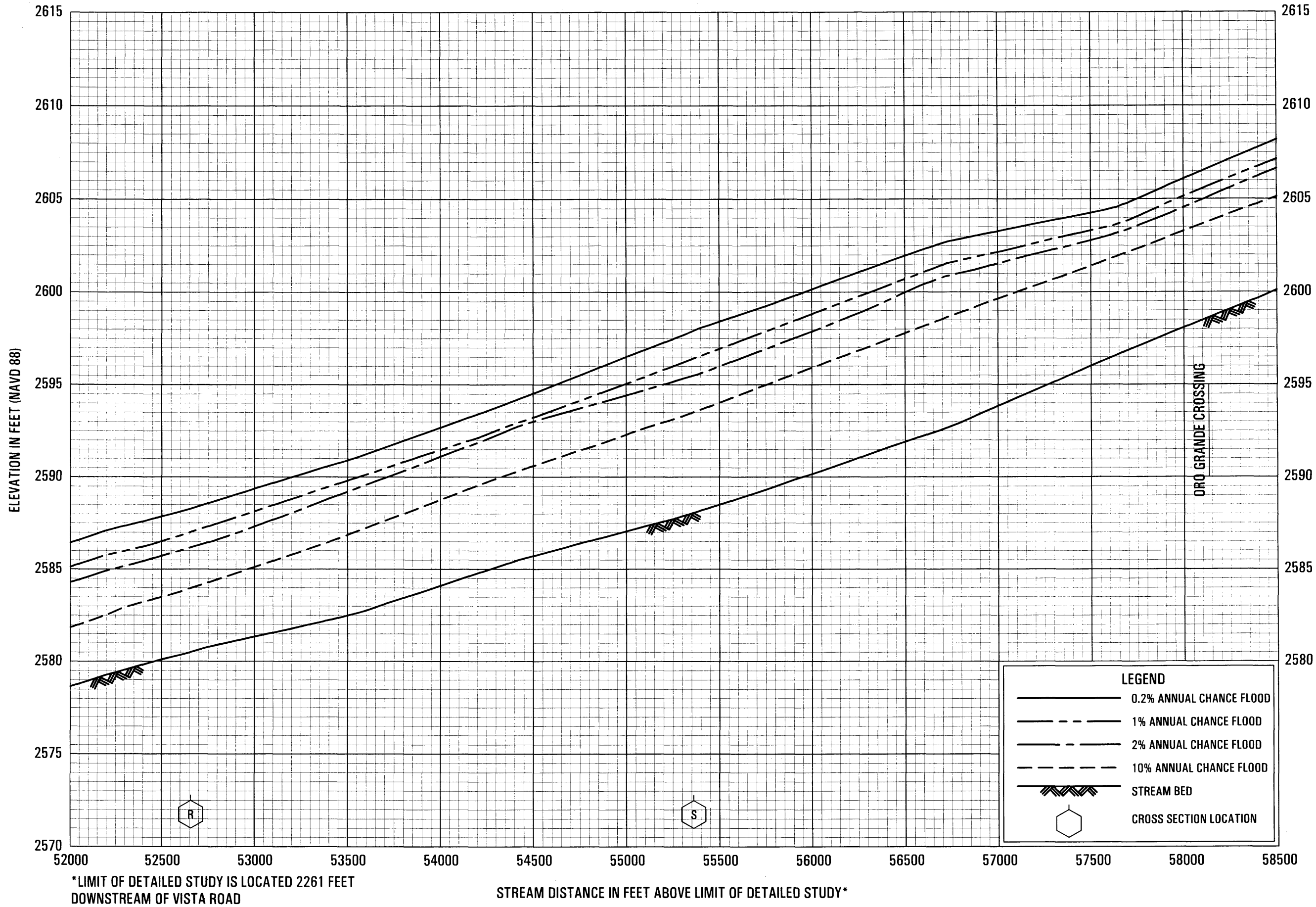


*LIMIT OF DETAILED STUDY IS LOCATED 2261 FEET
DOWNSTREAM OF VISTA ROAD

STREAM DISTANCE IN FEET ABOVE LIMIT OF DETAILED STUDY*

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS

FLOOD PROFILES
MOJAVE RIVER (BELOW VICTORVILLE)

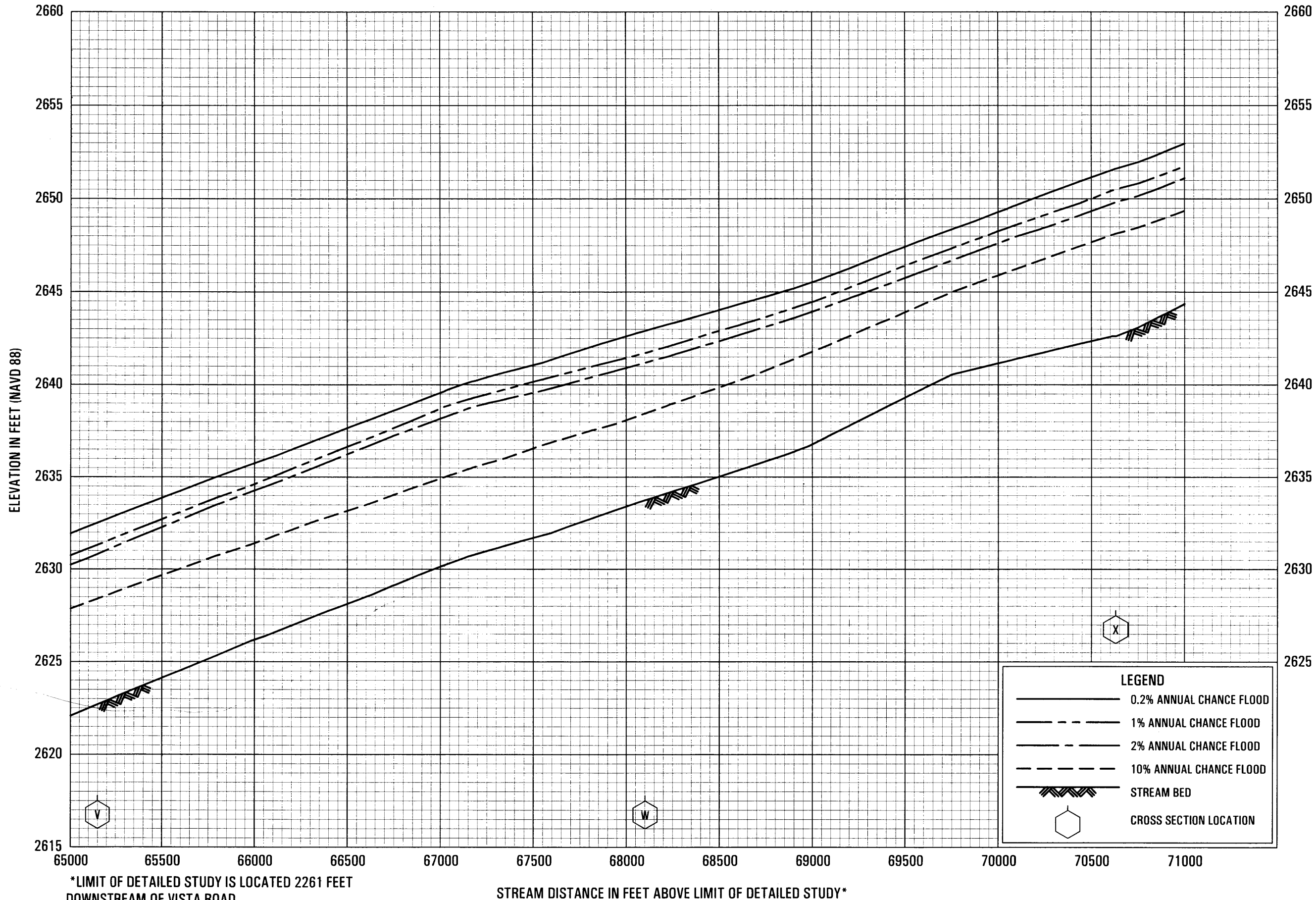


FLOOD PROFILES

MOJAVE RIVER (BELOW VICTORVILLE)

FEDERAL EMERGENCY MANAGEMENT AGENCY
 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

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



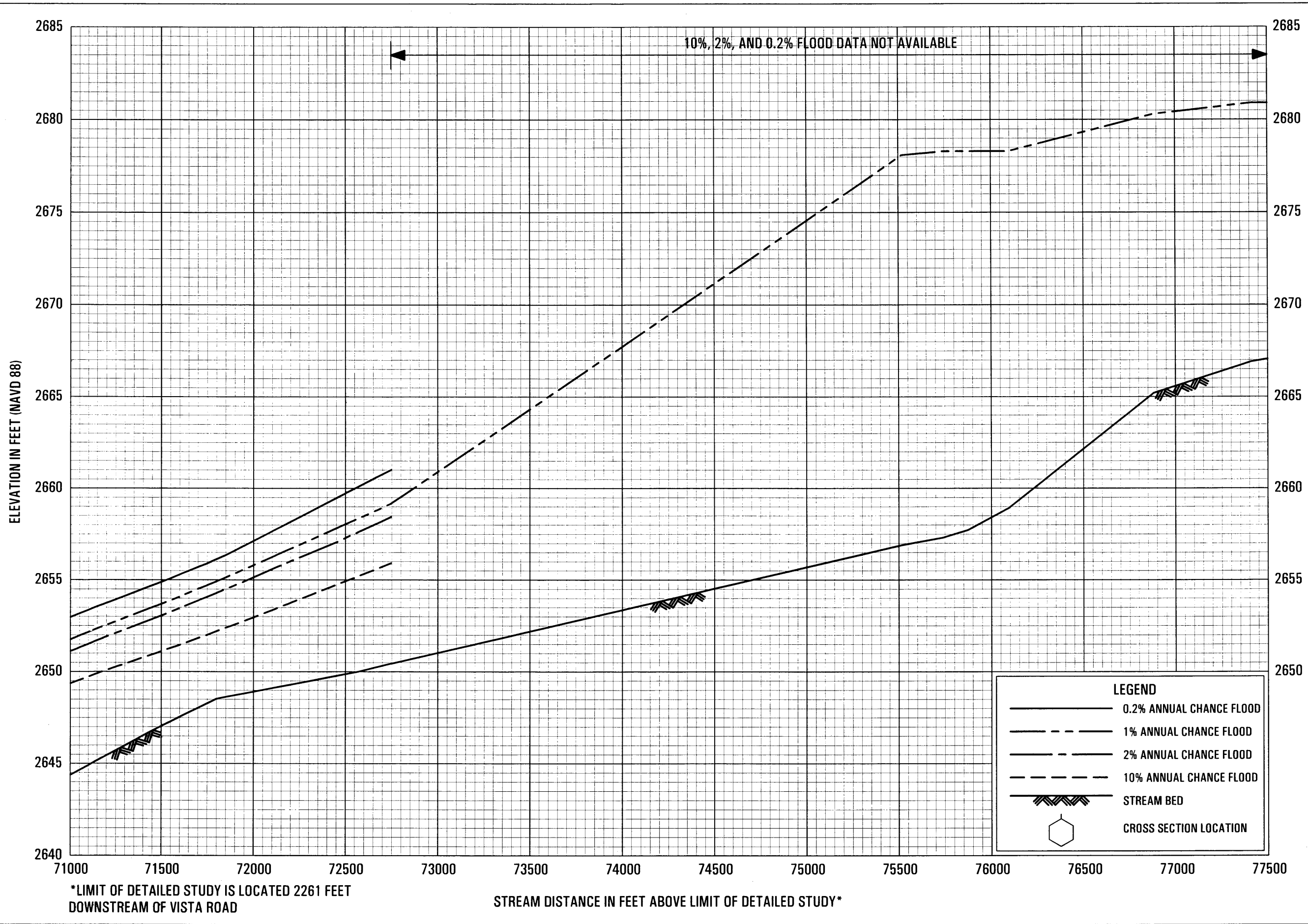
FLOOD PROFILES

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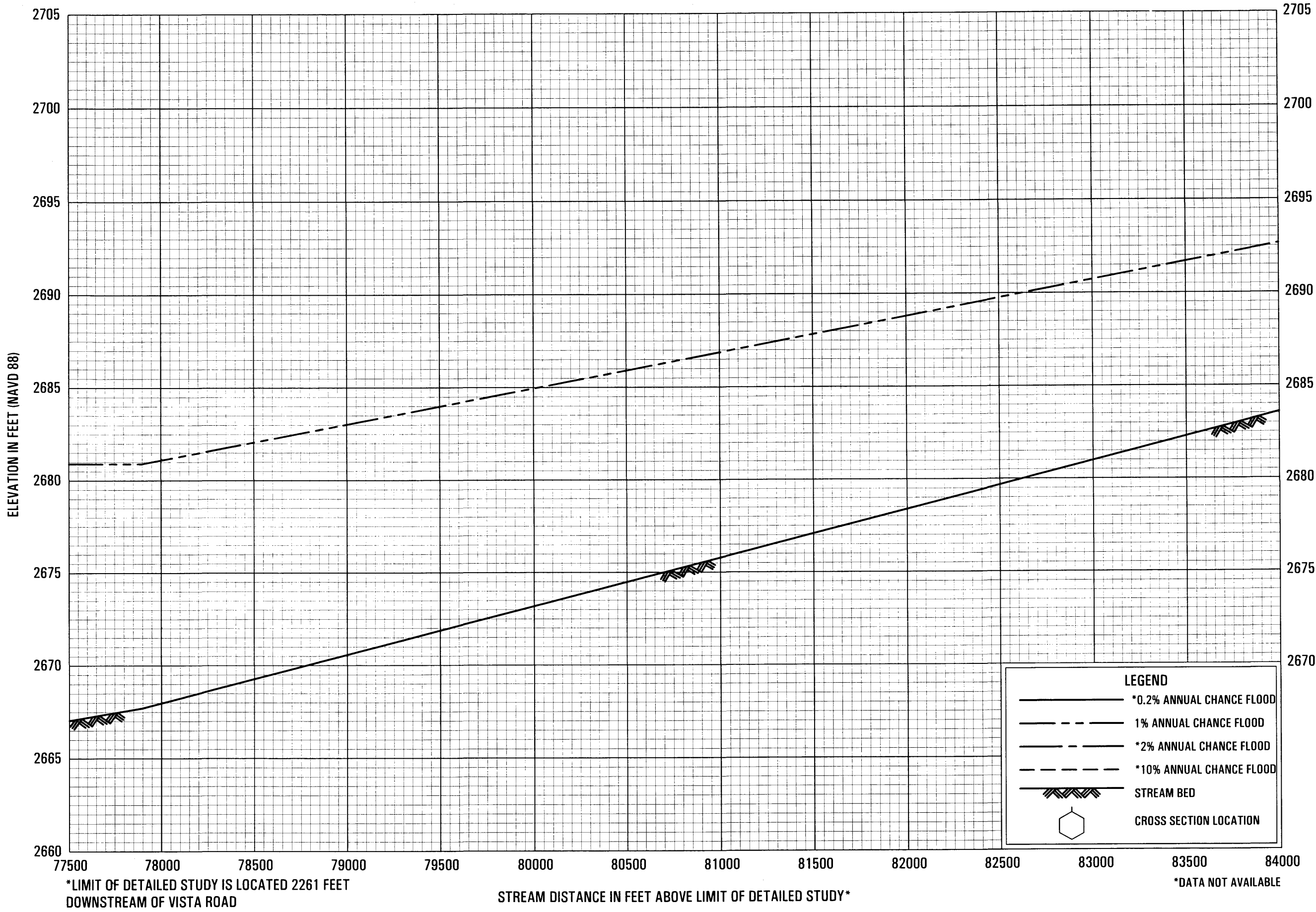
FLOOD PROFILES
MOJAVE RIVER (BELOW VICTORVILLE)

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121P

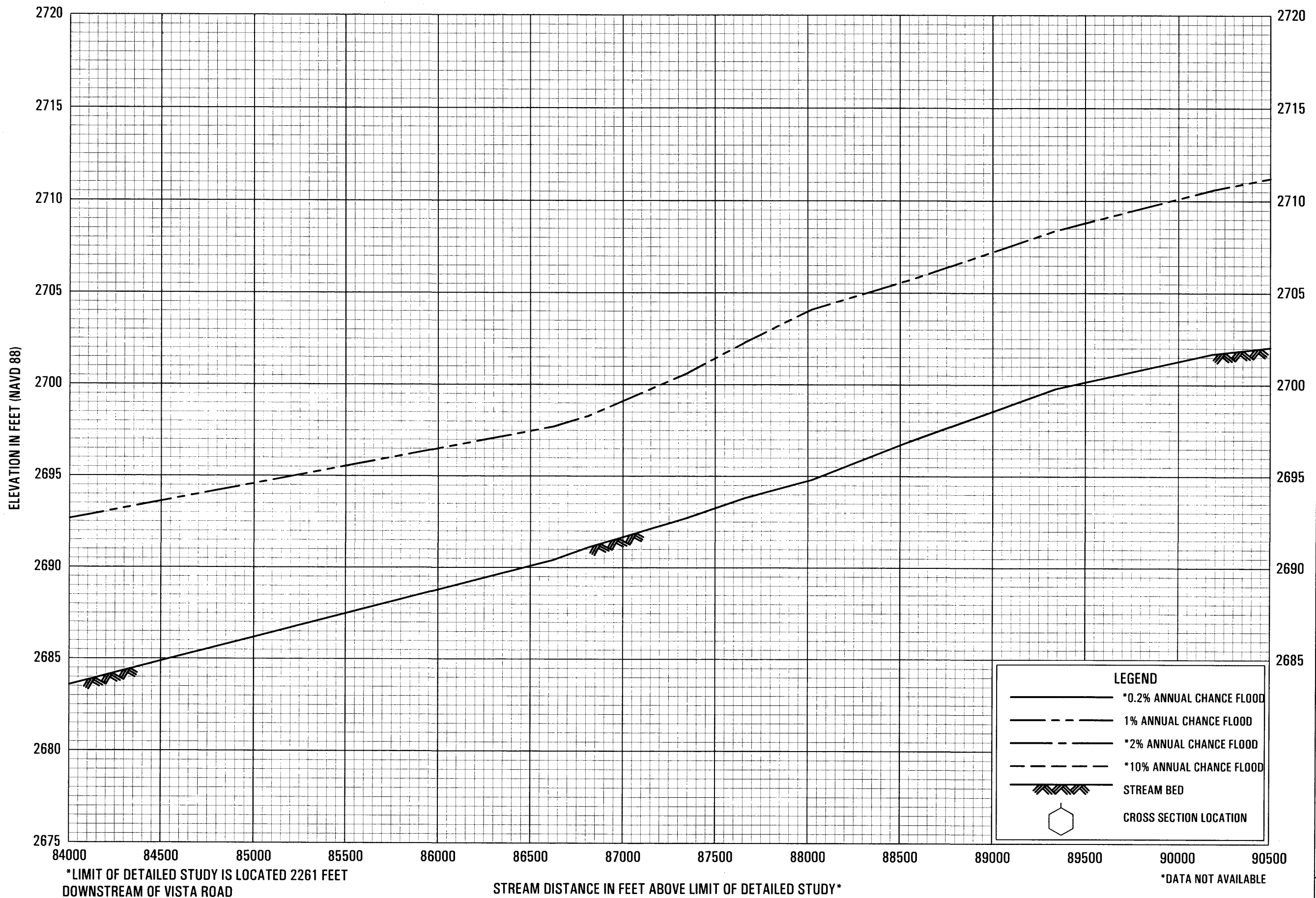
*LIMIT OF DETAILED STUDY IS LOCATED 2261 FEET
 DOWNSTREAM OF VISTA ROAD

STREAM DISTANCE IN FEET ABOVE LIMIT OF DETAILED STUDY*



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 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

FLOOD PROFILES
 MOJAVE RIVER (BELOW VICTORVILLE)

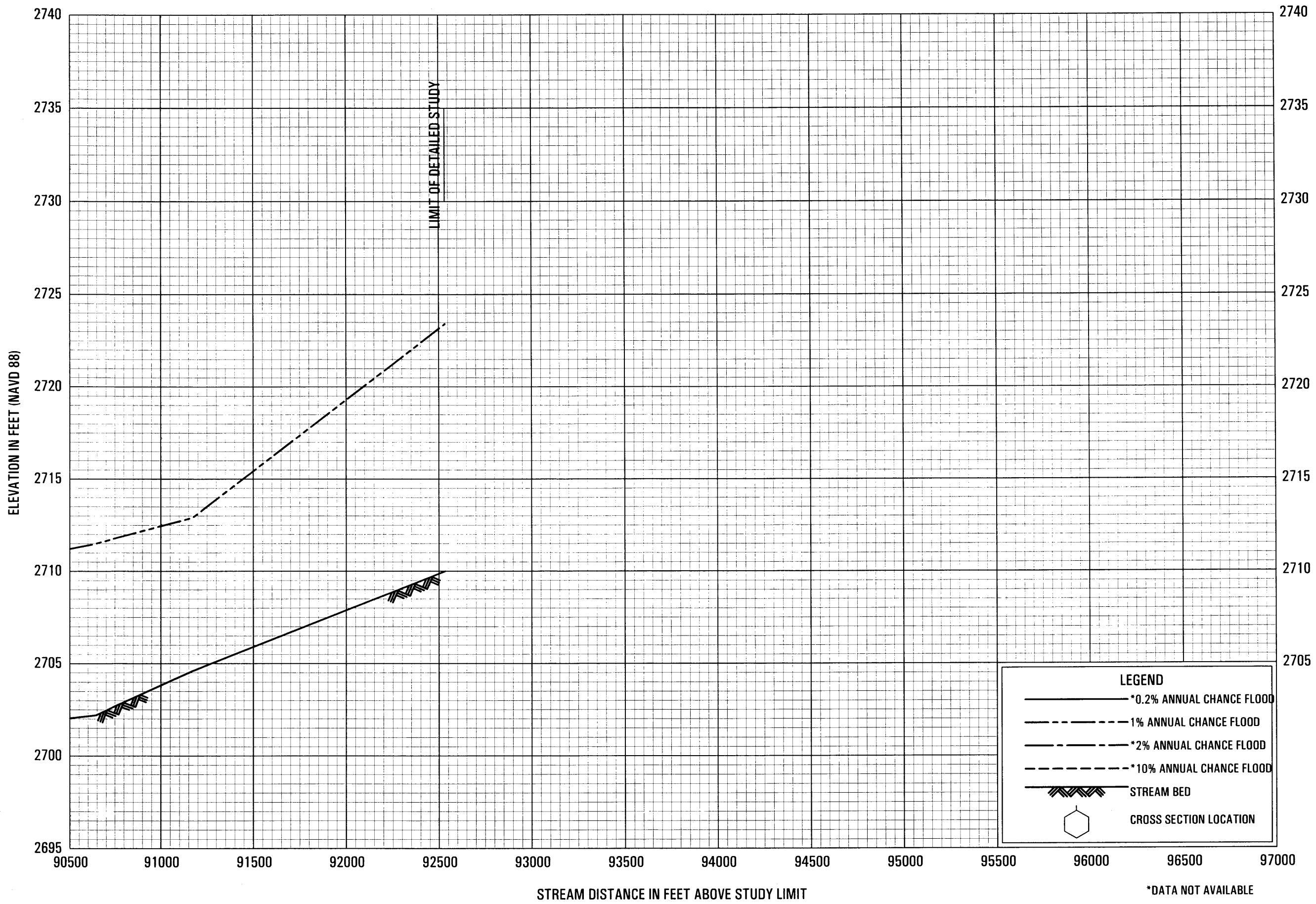


FLOOD PROFILES

MOJAVE RIVER (BELOW VICTORVILLE)

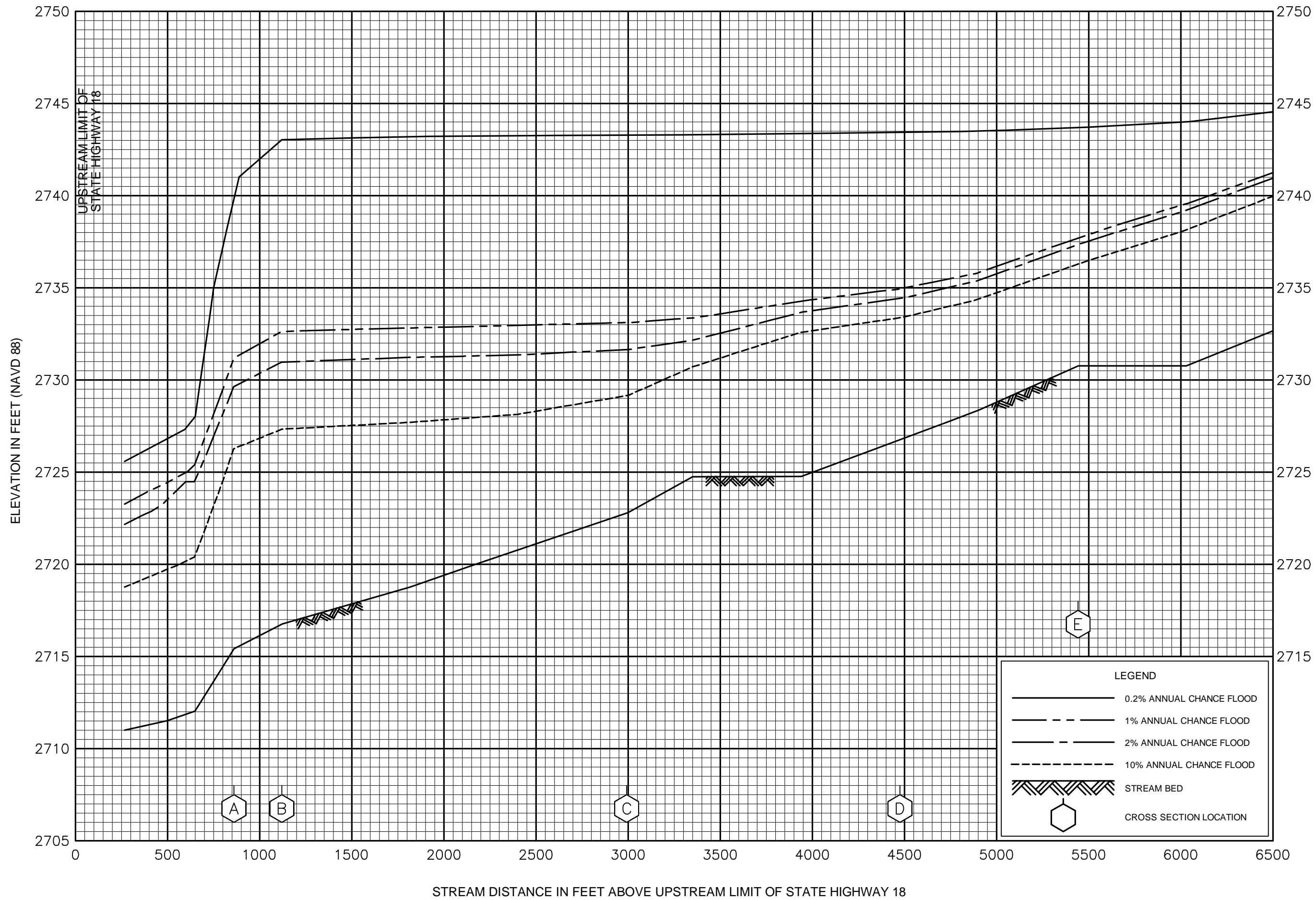
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123P



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FLOOD PROFILES
 MOJAVE RIVER (BELOW VICTORVILLE)

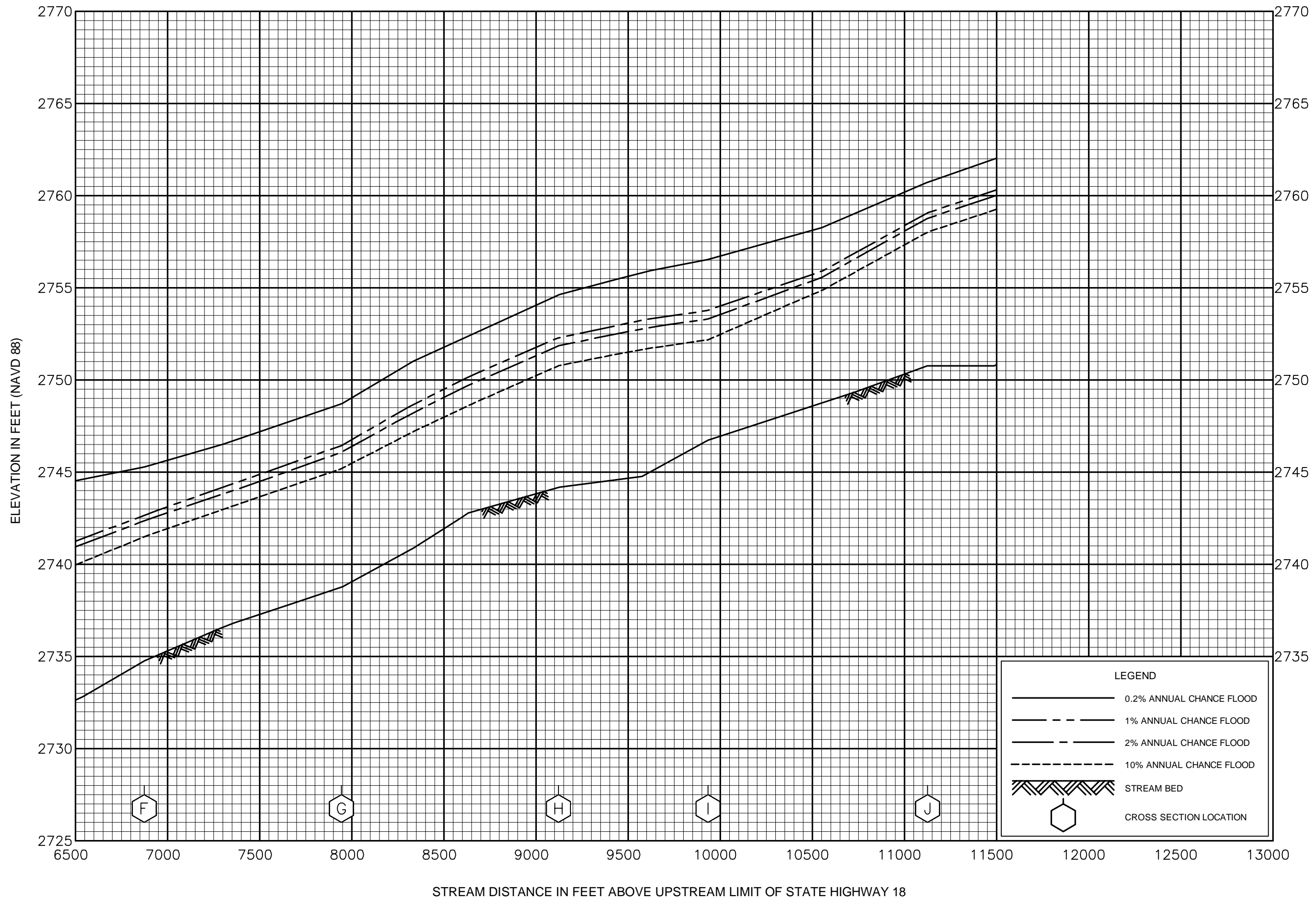


FLOOD PROFILES

MOJAVE RIVER (UPPER NARROWS)

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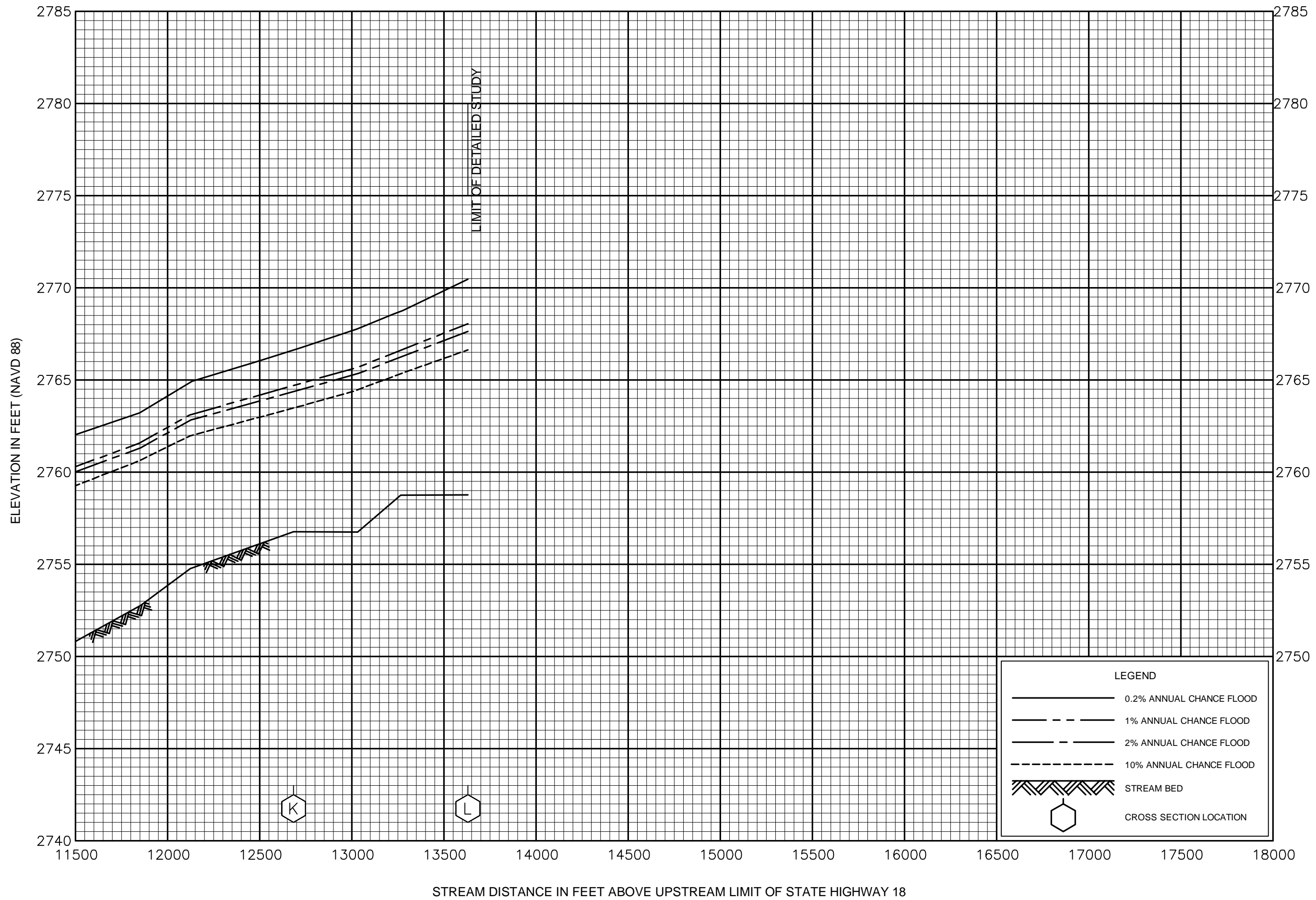


FLOOD PROFILES

MOJAVE RIVER (UPPER NARROWS)

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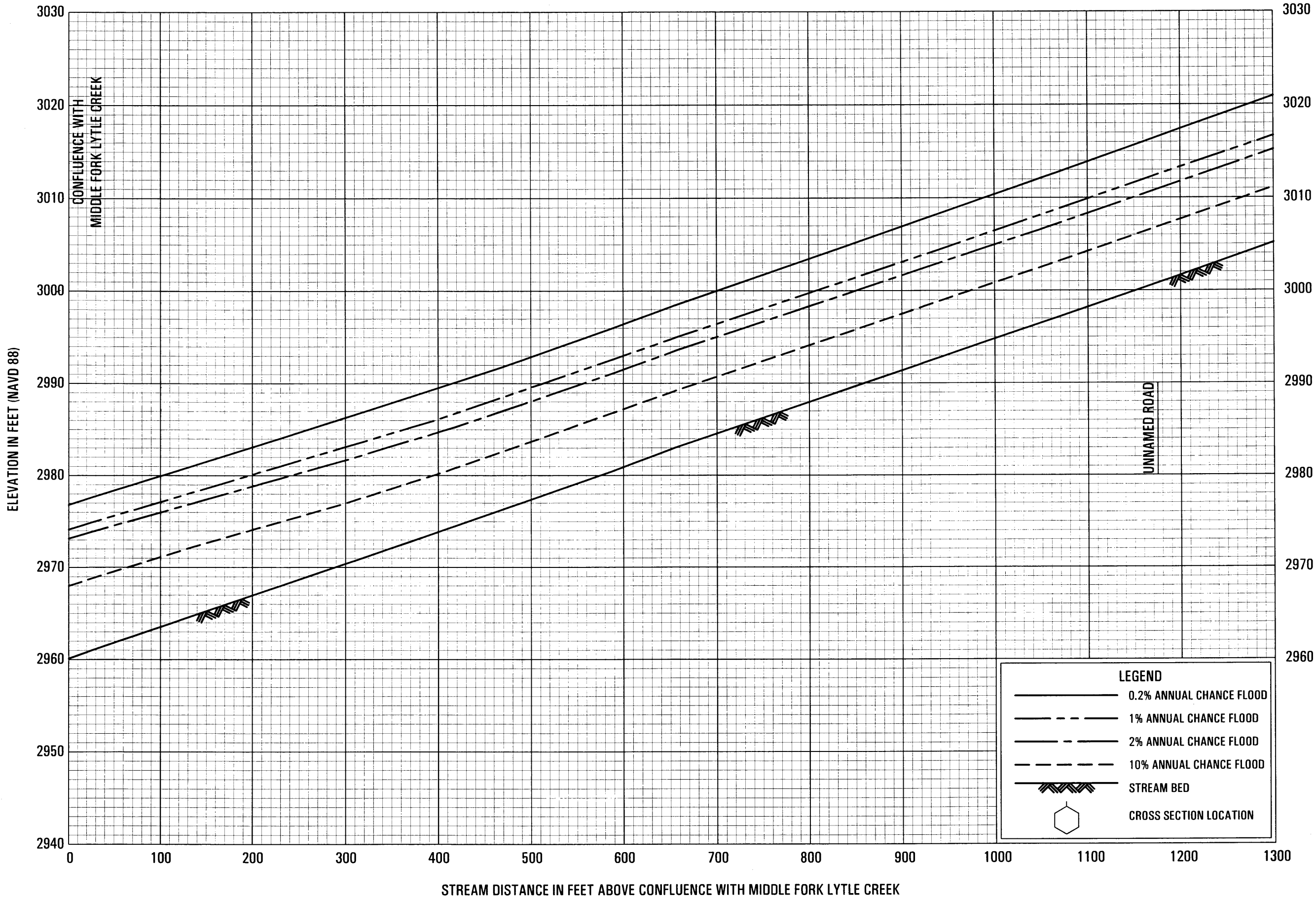


FLOOD PROFILES

MOJAVE RIVER (UPPER NARROWS)

FEDERAL EMERGENCY MANAGEMENT AGENCY

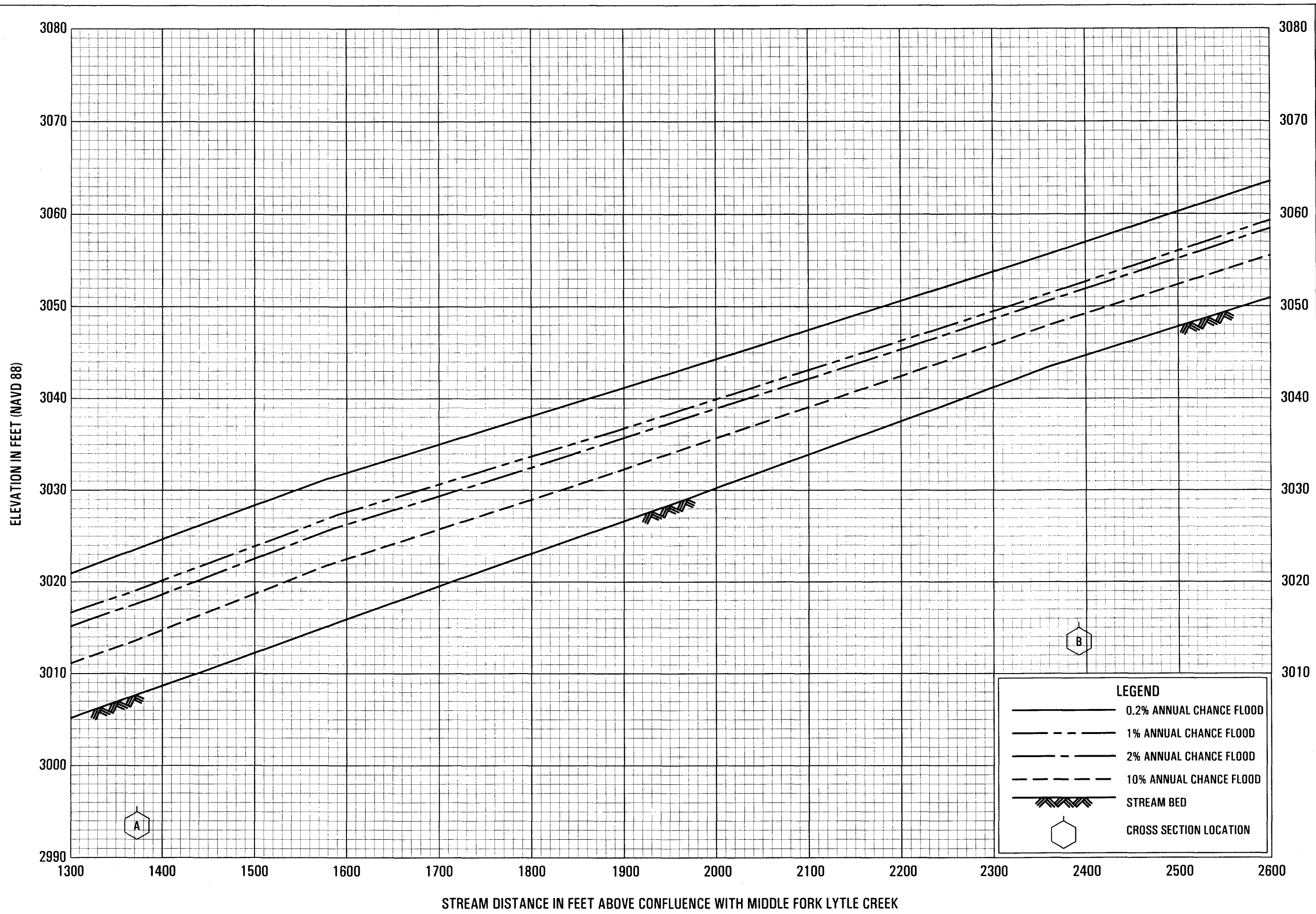
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AND INCORPORATED AREAS



FLOOD PROFILES
NORTH FORK LYTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
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AND INCORPORATED AREAS

128P

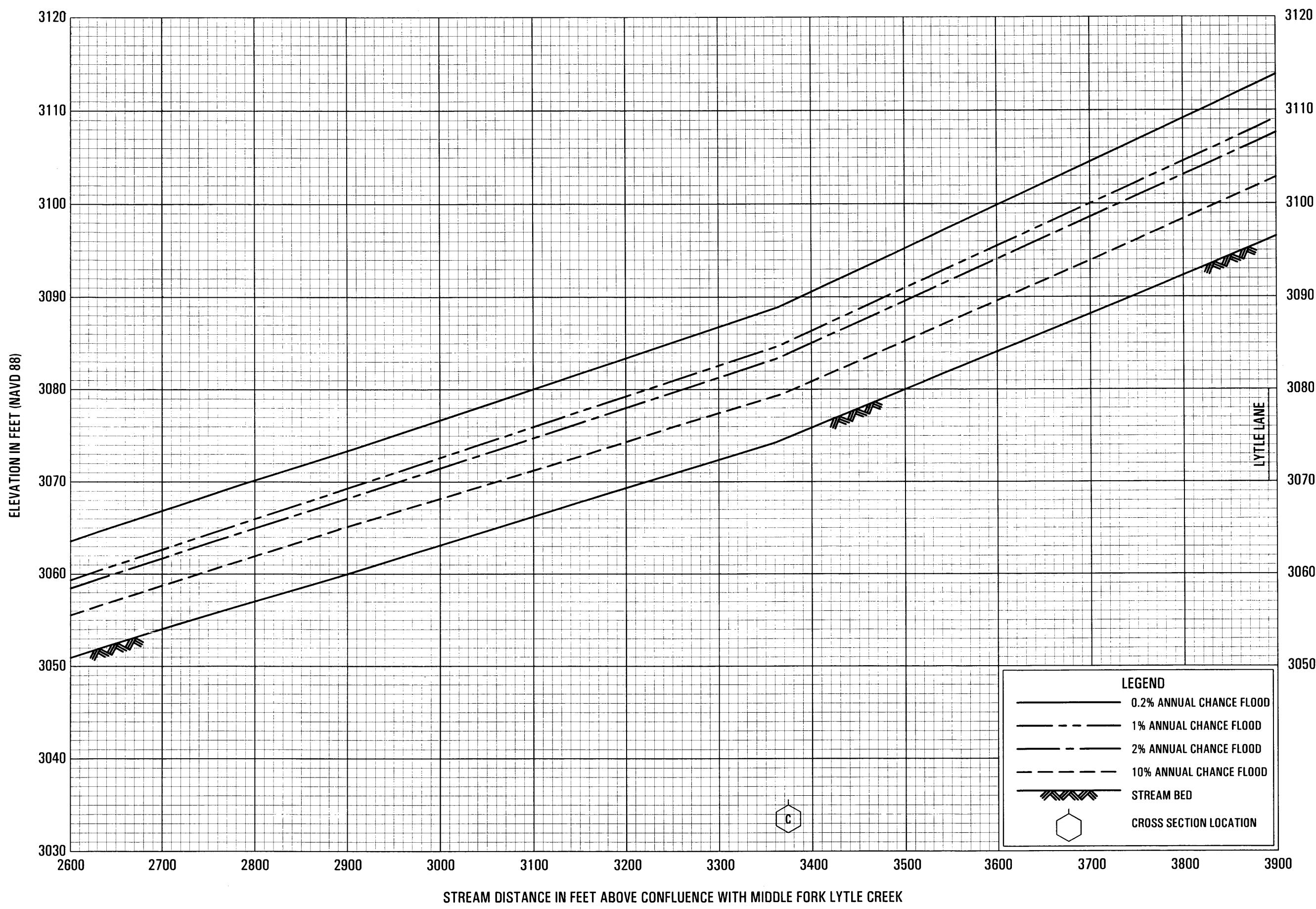


FLOOD PROFILES
NORTH FORK LYTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS

129P

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

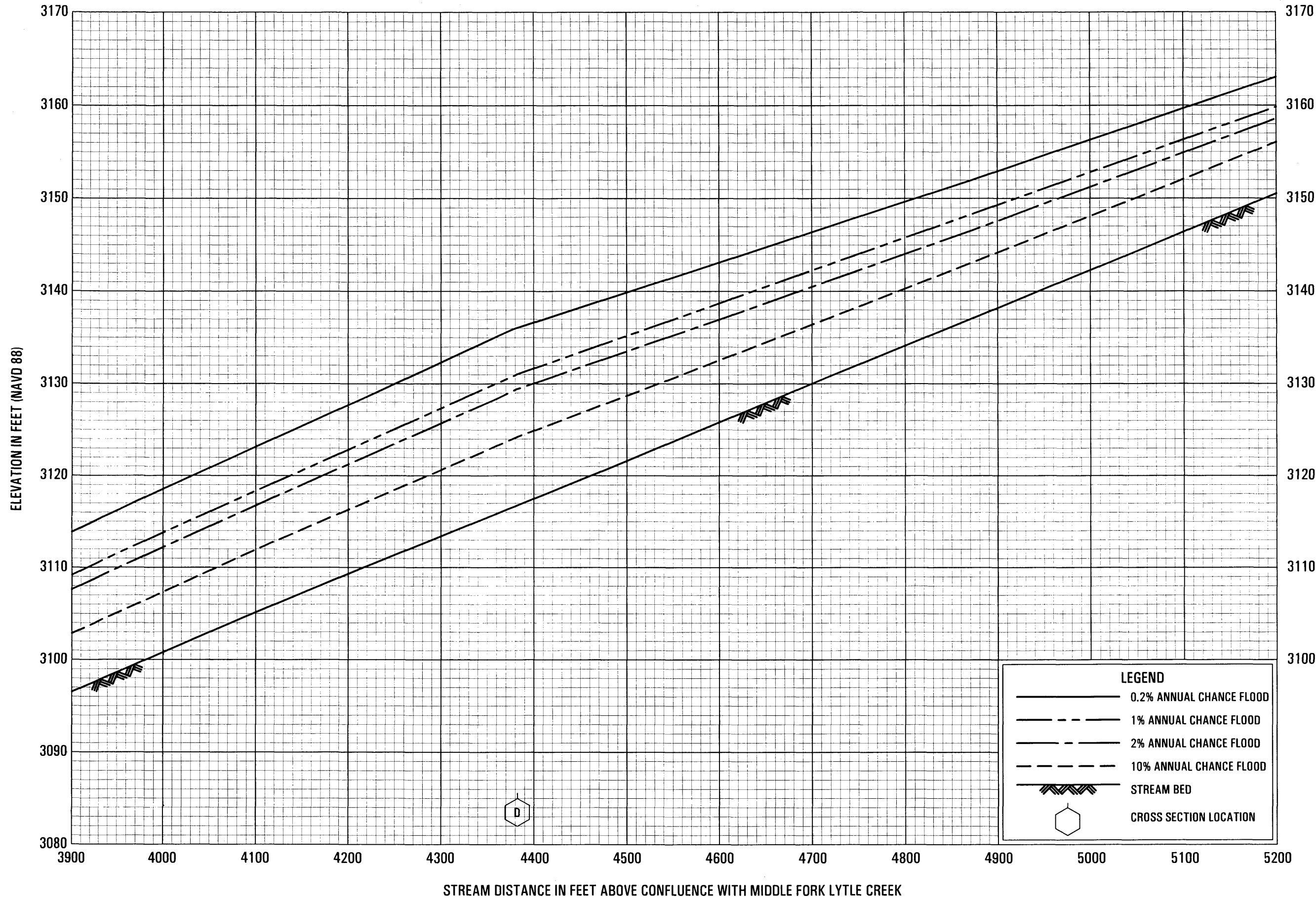


FLOOD PROFILES

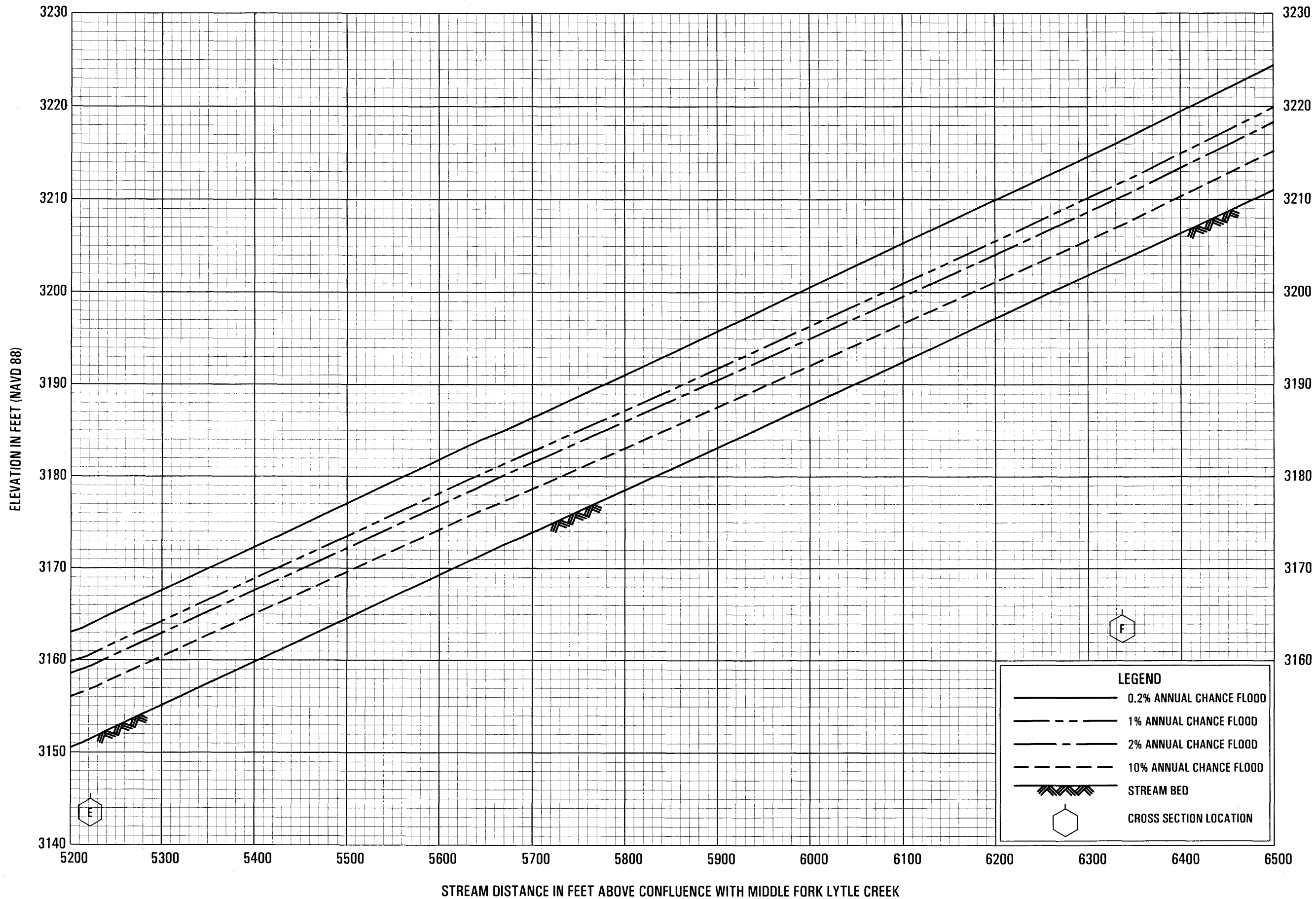
NORTH FORK LYTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

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AND INCORPORATED AREAS



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 AND INCORPORATED AREAS

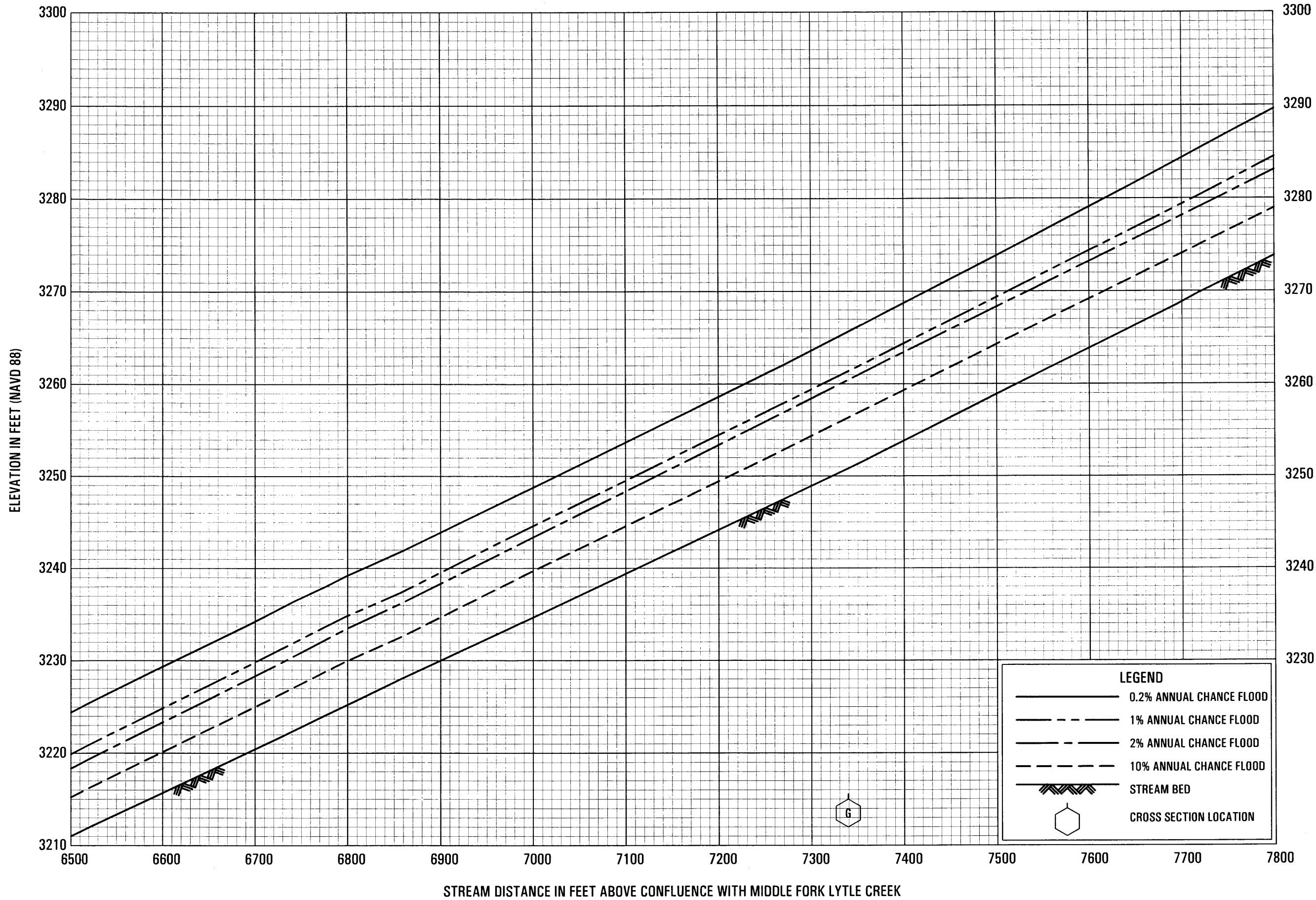


FLOOD PROFILES

NORTH FORK LYTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

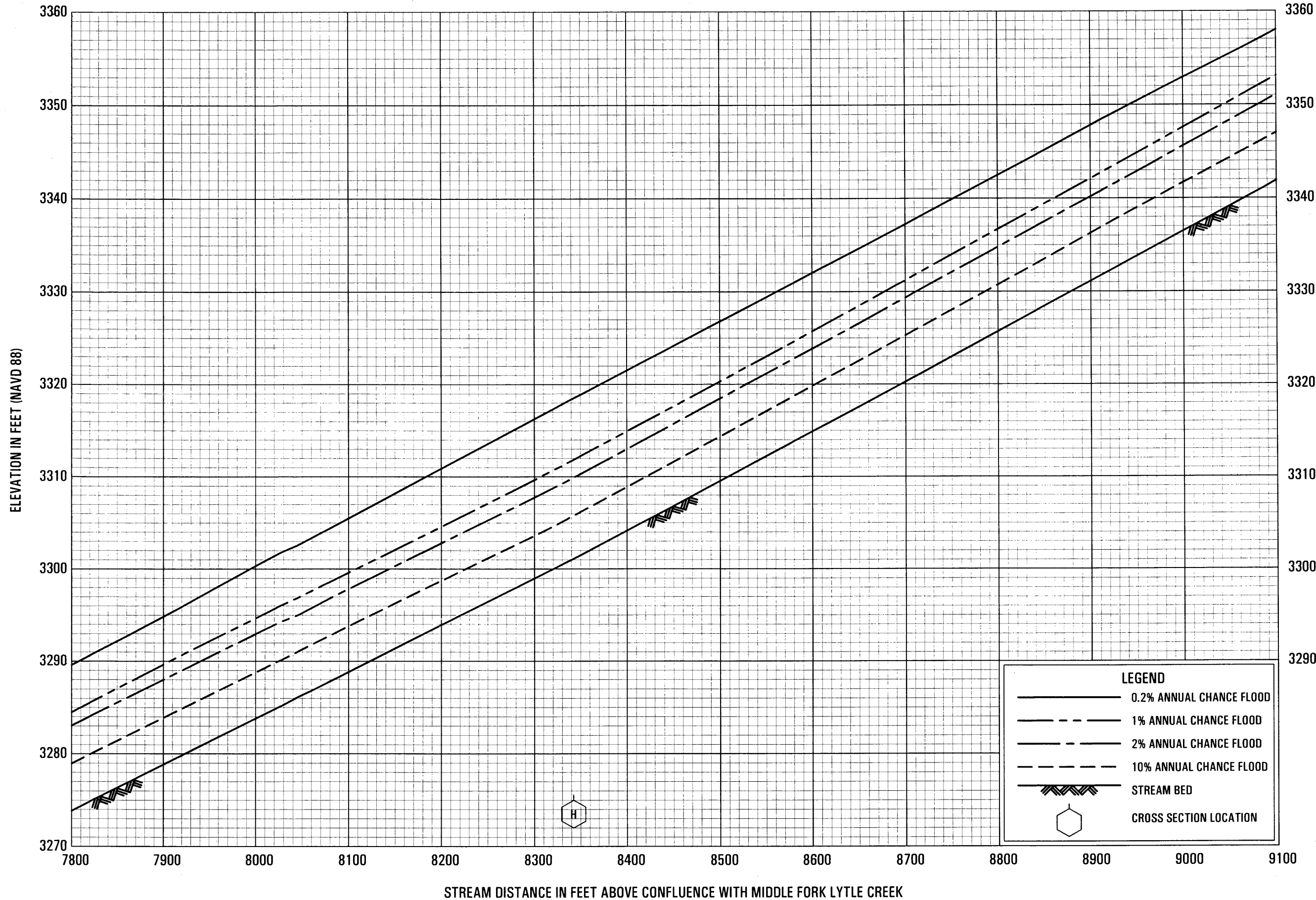
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES

NORTH FORK LYTLE CREEK

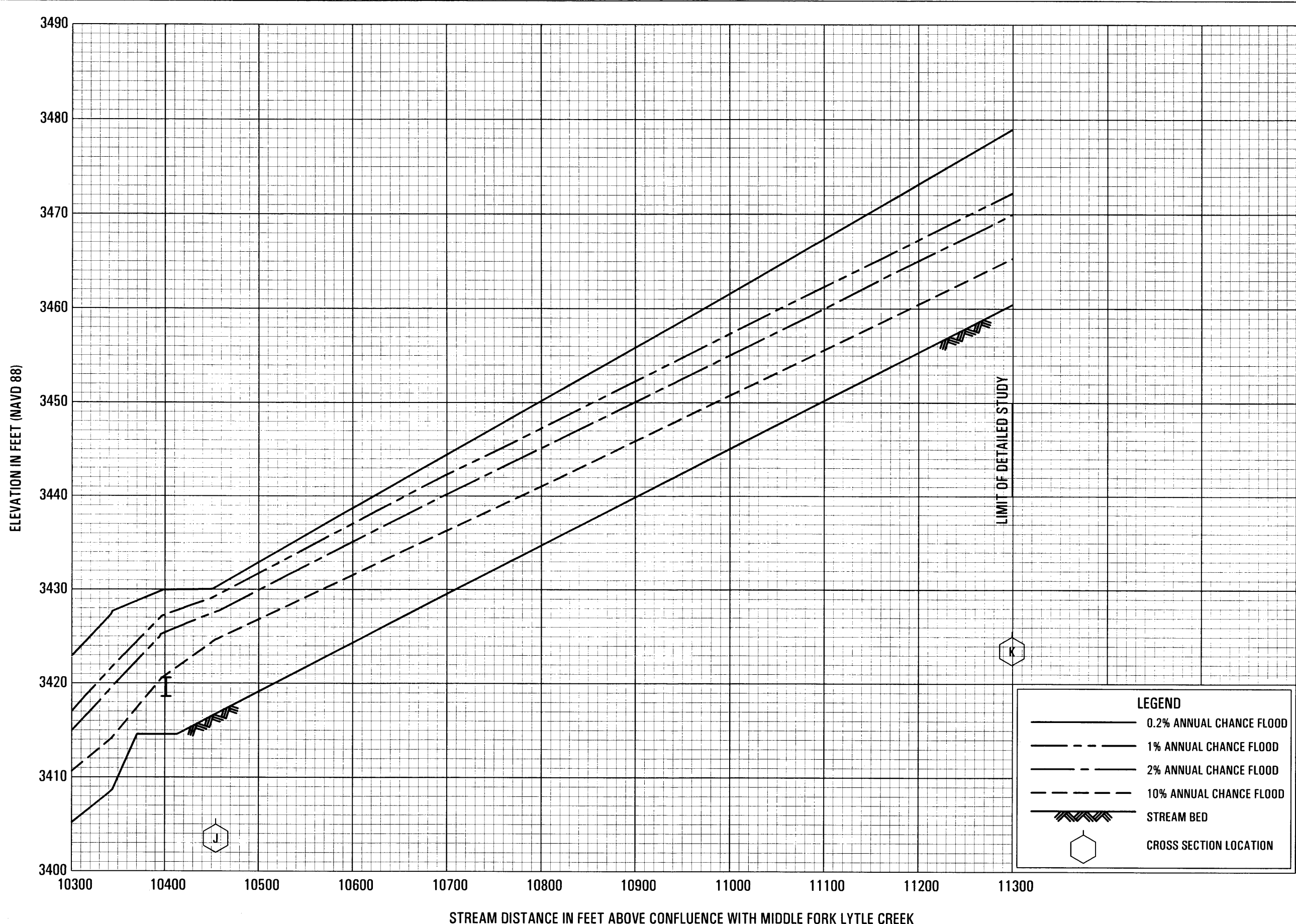
**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS**



FLOOD PROFILES

NORTH FORK LYTLE CREEK

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS**

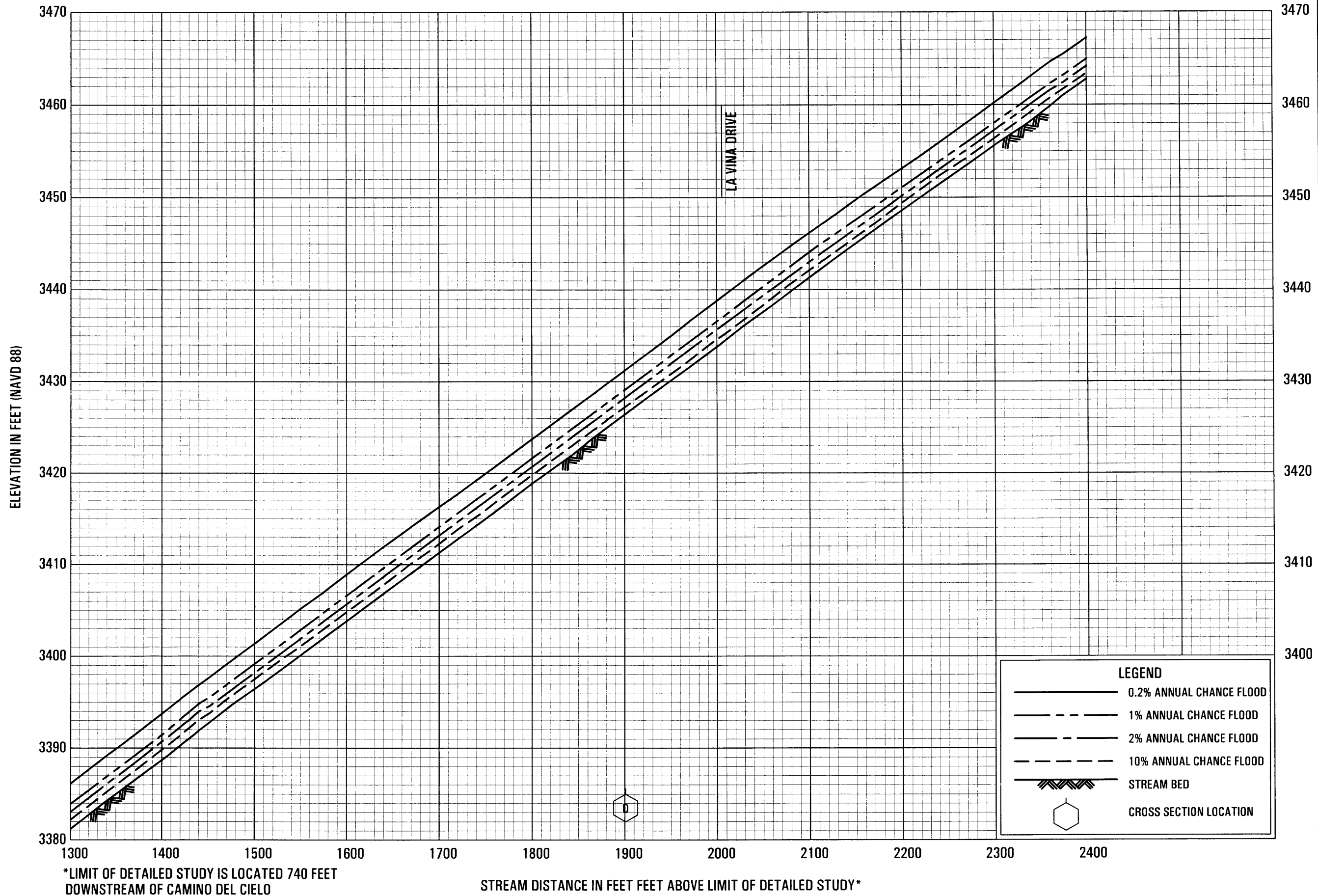


FLOOD PROFILES

NORTH FORK LYTLE CREEK

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS**

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



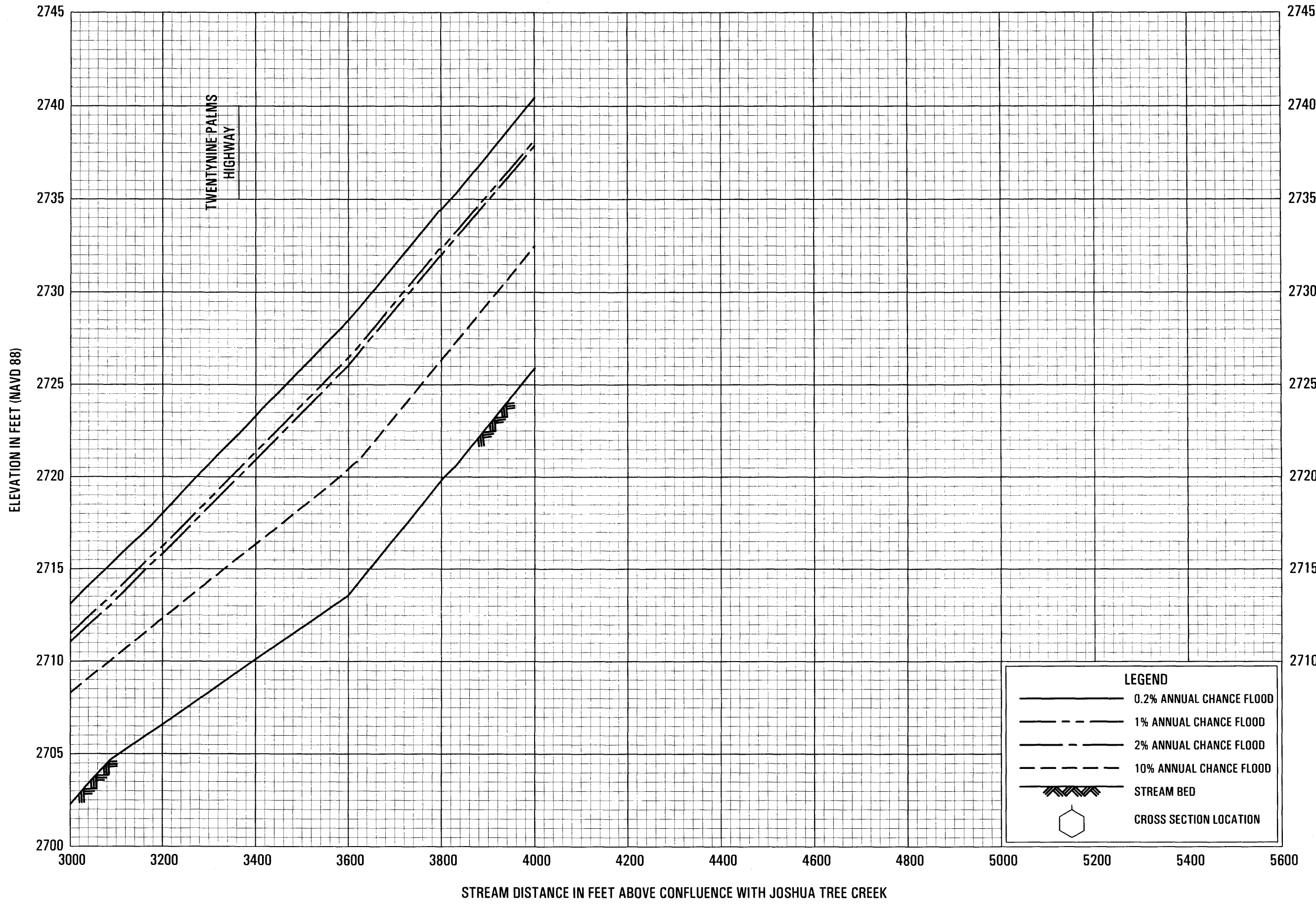
*LIMIT OF DETAILED STUDY IS LOCATED 740 FEET
DOWNSTREAM OF CAMINO DEL CIELO

STREAM DISTANCE IN FEET FEET ABOVE LIMIT OF DETAILED STUDY*

FLOOD PROFILES

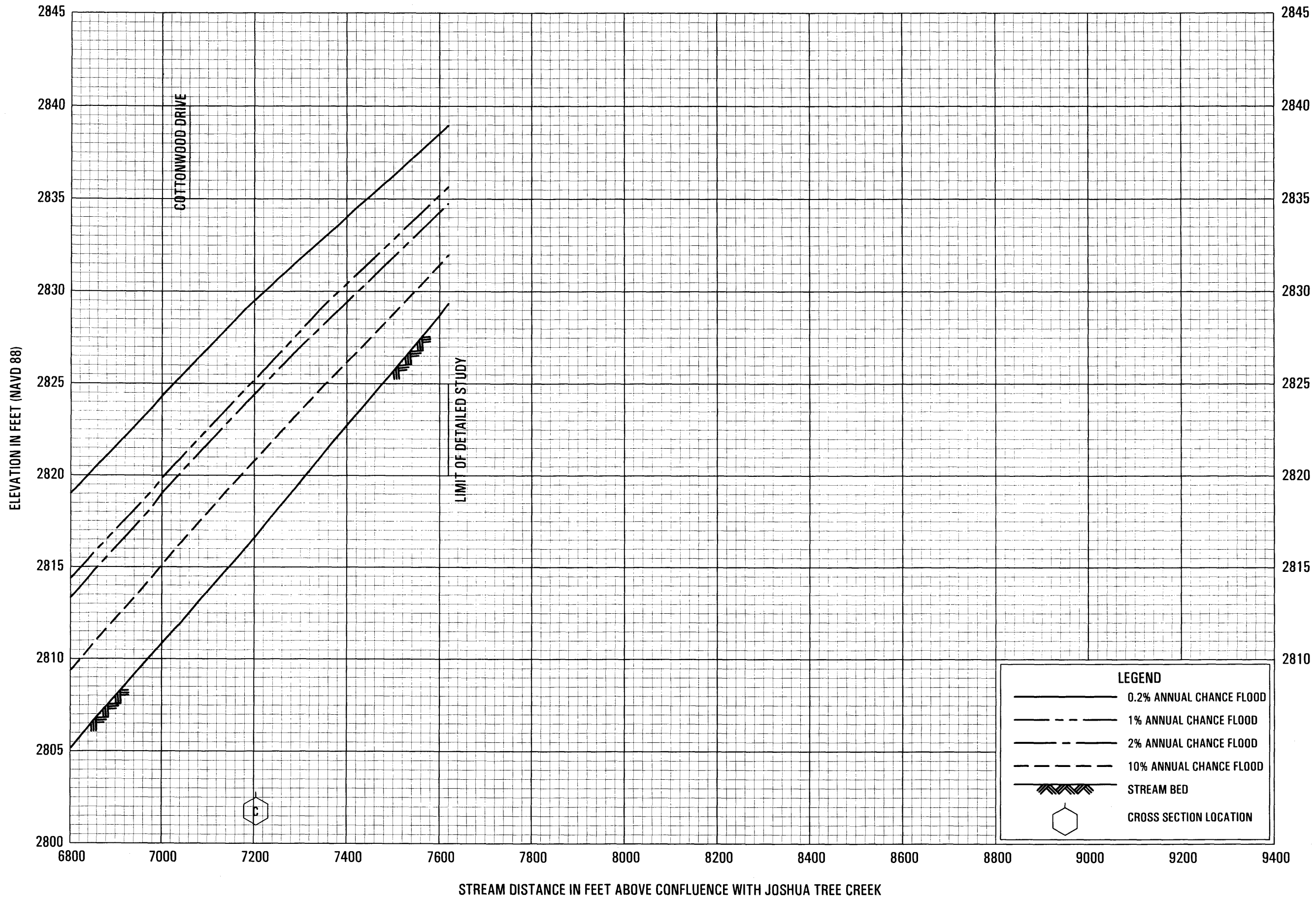
PINYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



FEDERAL EMERGENCY MANAGEMENT AGENCY
 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

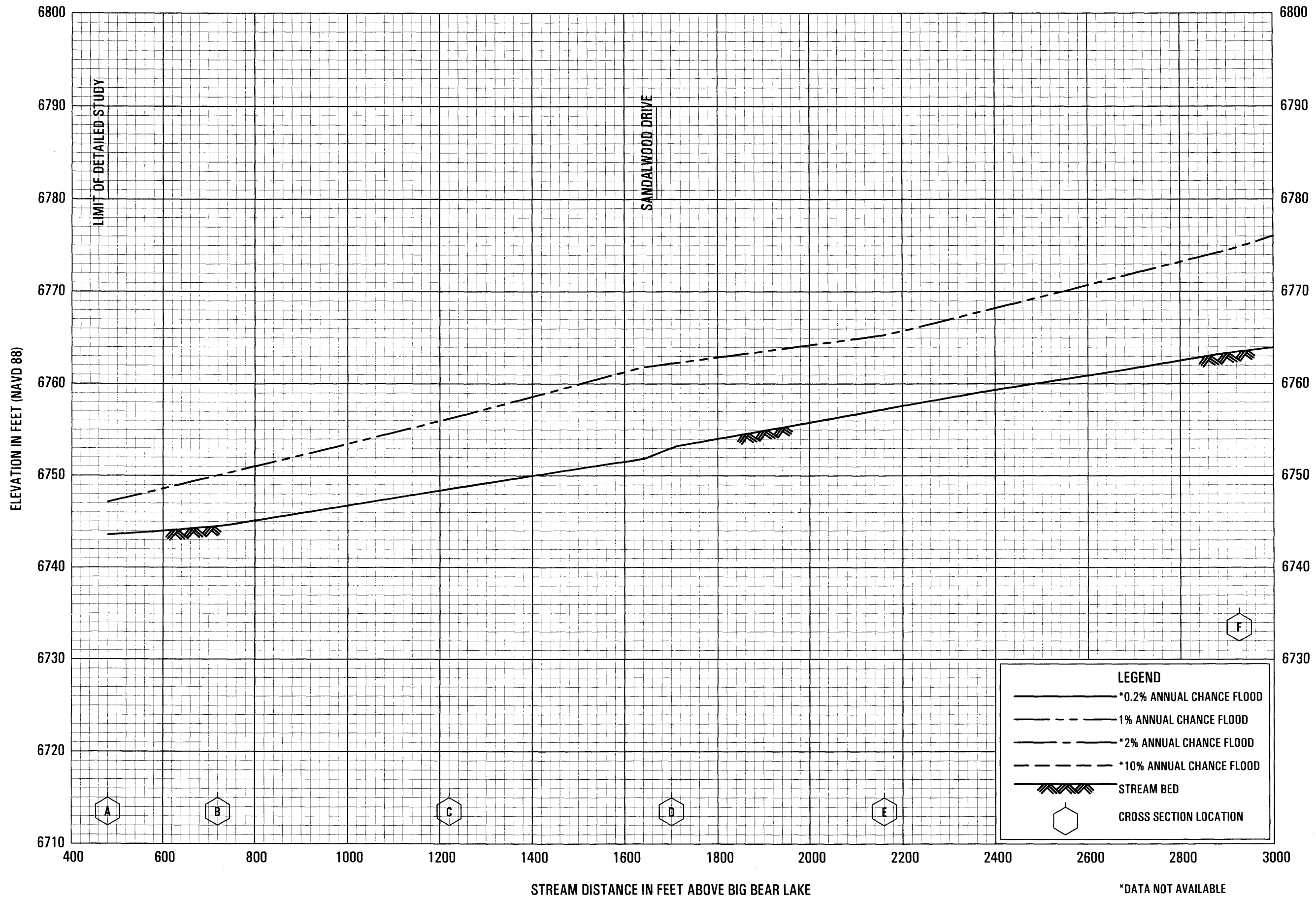
FLOOD PROFILES
 QUAIL WASH

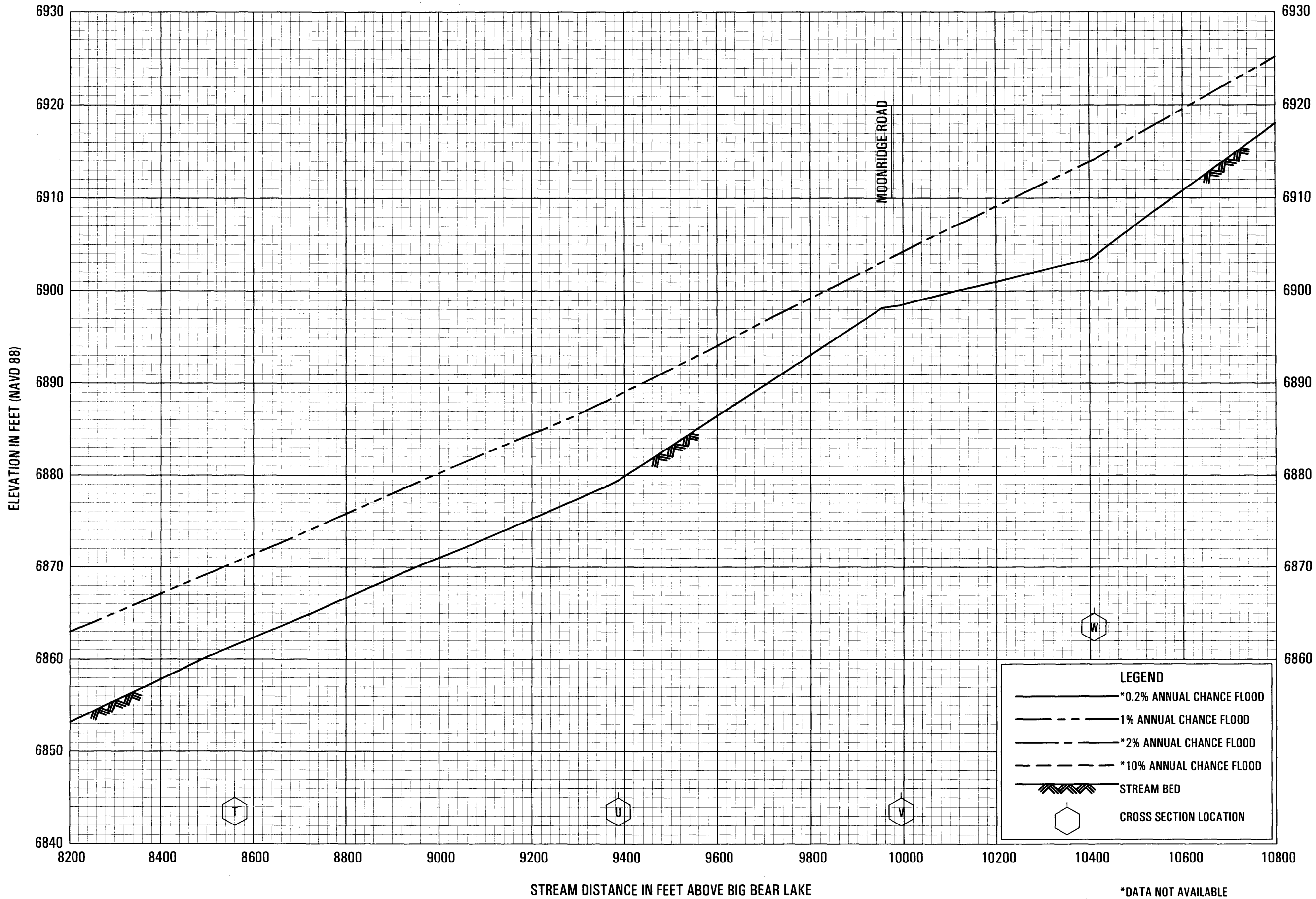


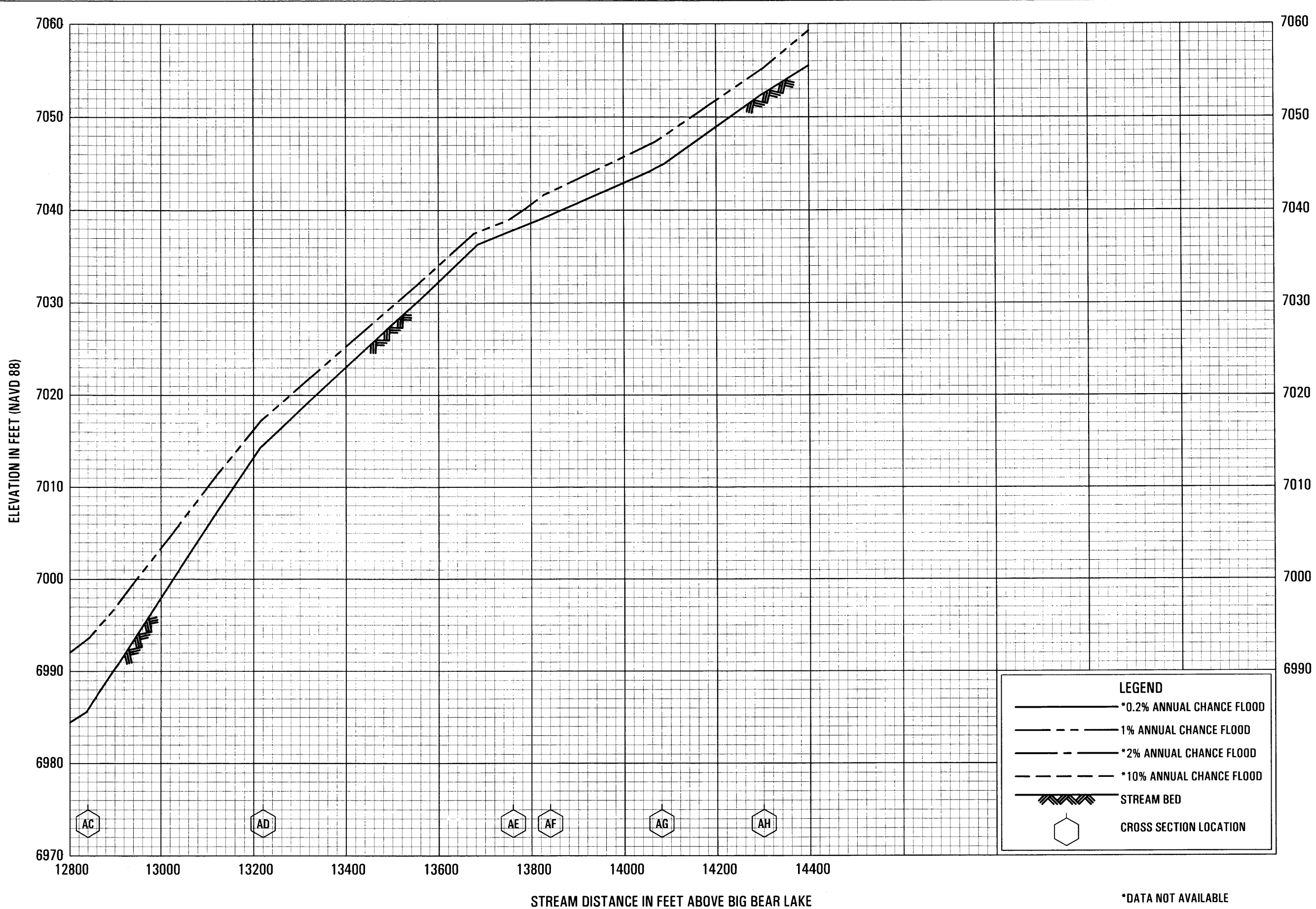
FLOOD PROFILES

QUAIL WASH

**FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS**







FLOOD PROFILES

RATHBUN CREEK

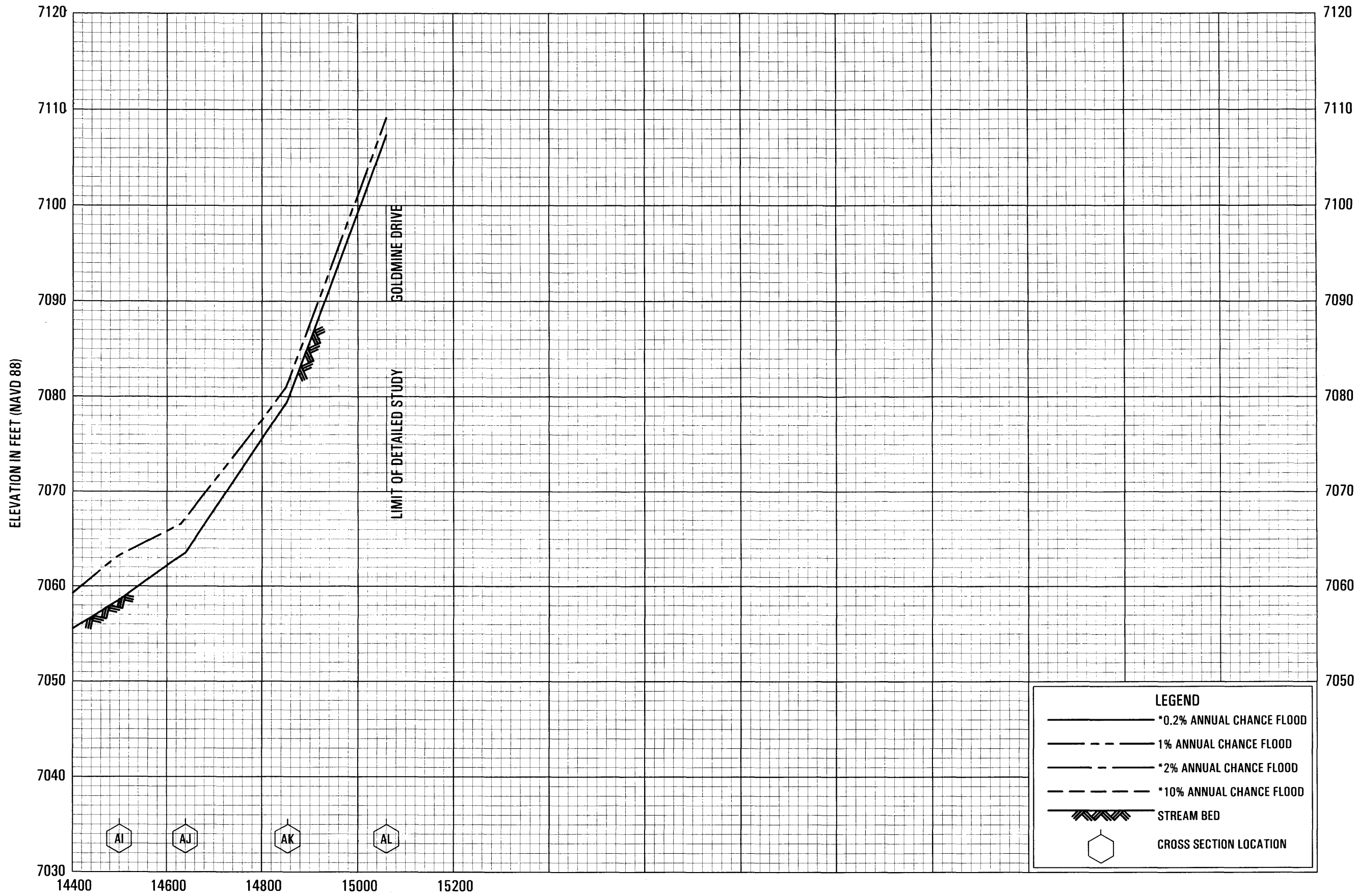
FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

152P

*DATA NOT AVAILABLE



STREAM DISTANCE IN FEET ABOVE BIG BEAR LAKE

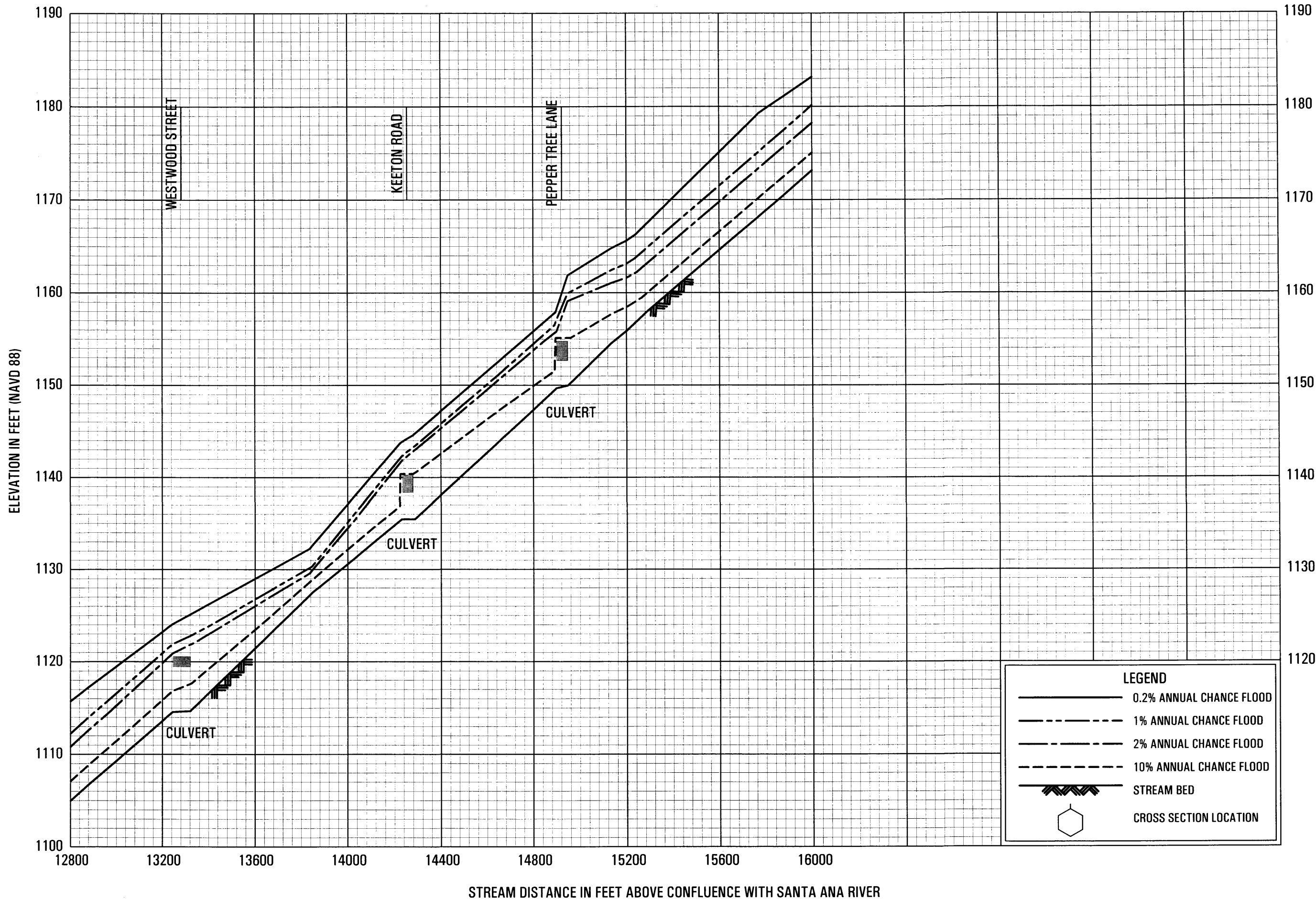
*DATA NOT AVAILABLE

FLOOD PROFILES

RATHBUN CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

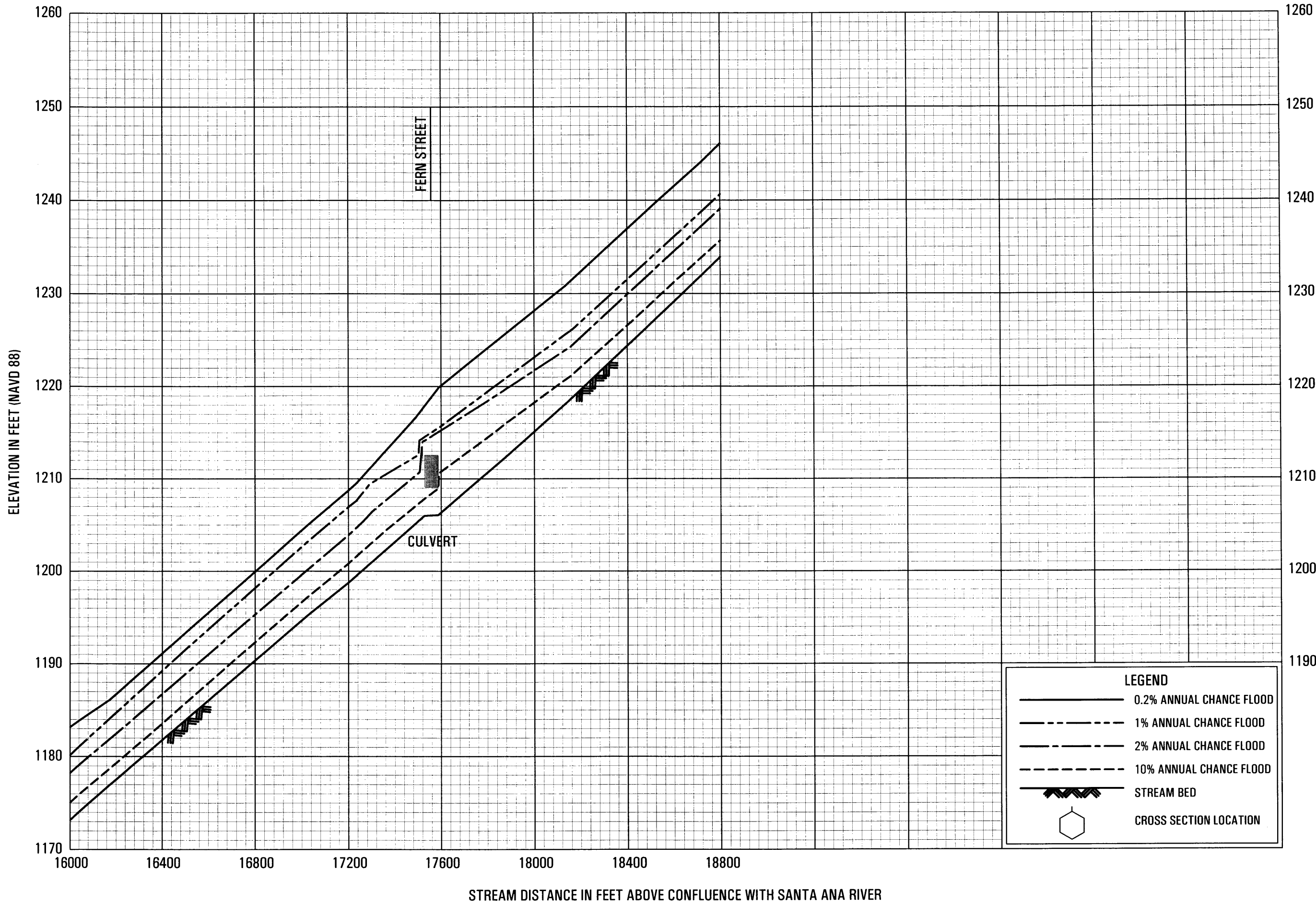
153P



FLOOD PROFILES

RECHE CANYON CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

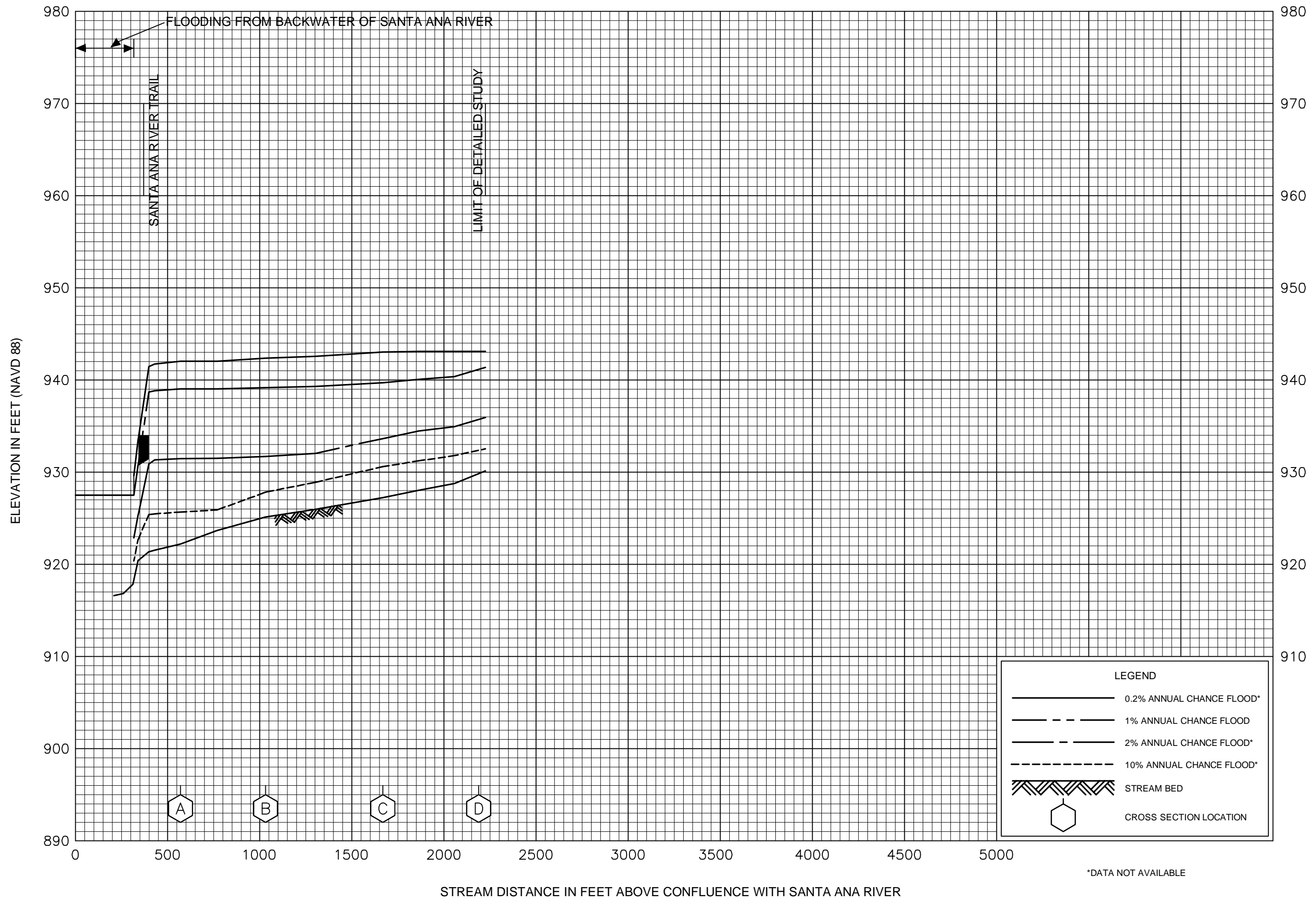


FLOOD PROFILES

RECHE CANYON CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

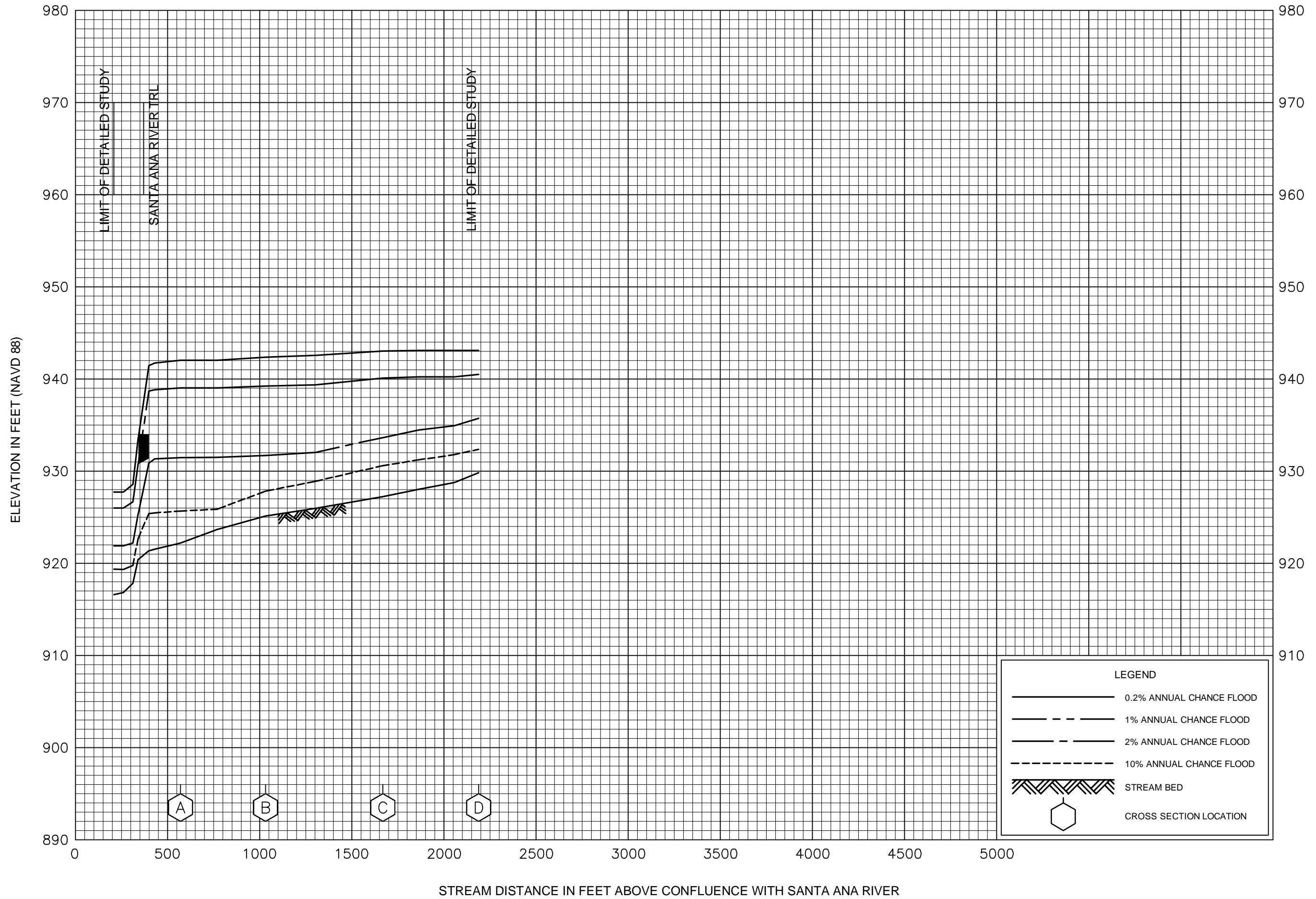
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES
 RECHE CANYON CHANNEL (WITH LEVEE)

FEDERAL EMERGENCY MANAGEMENT AGENCY
 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

158aP

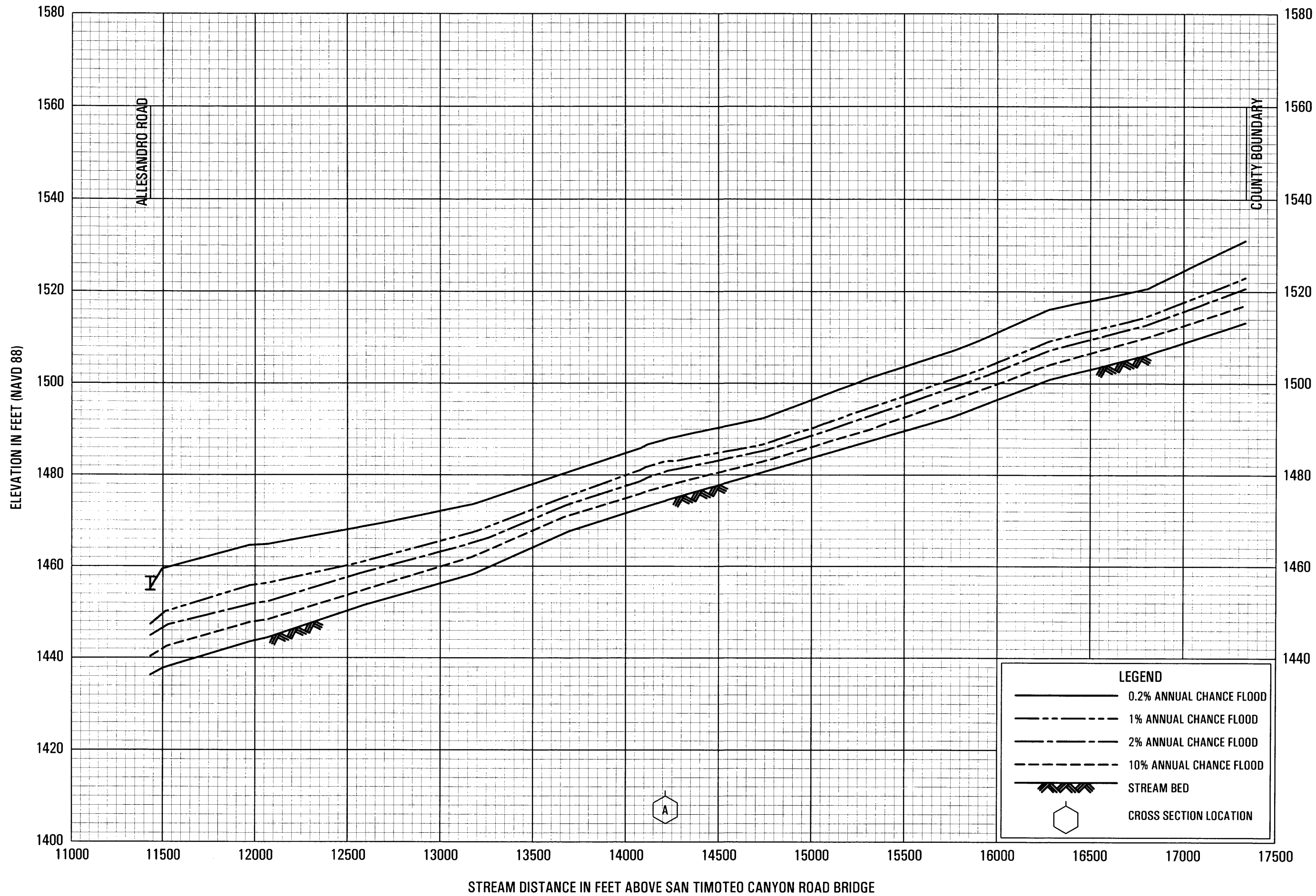


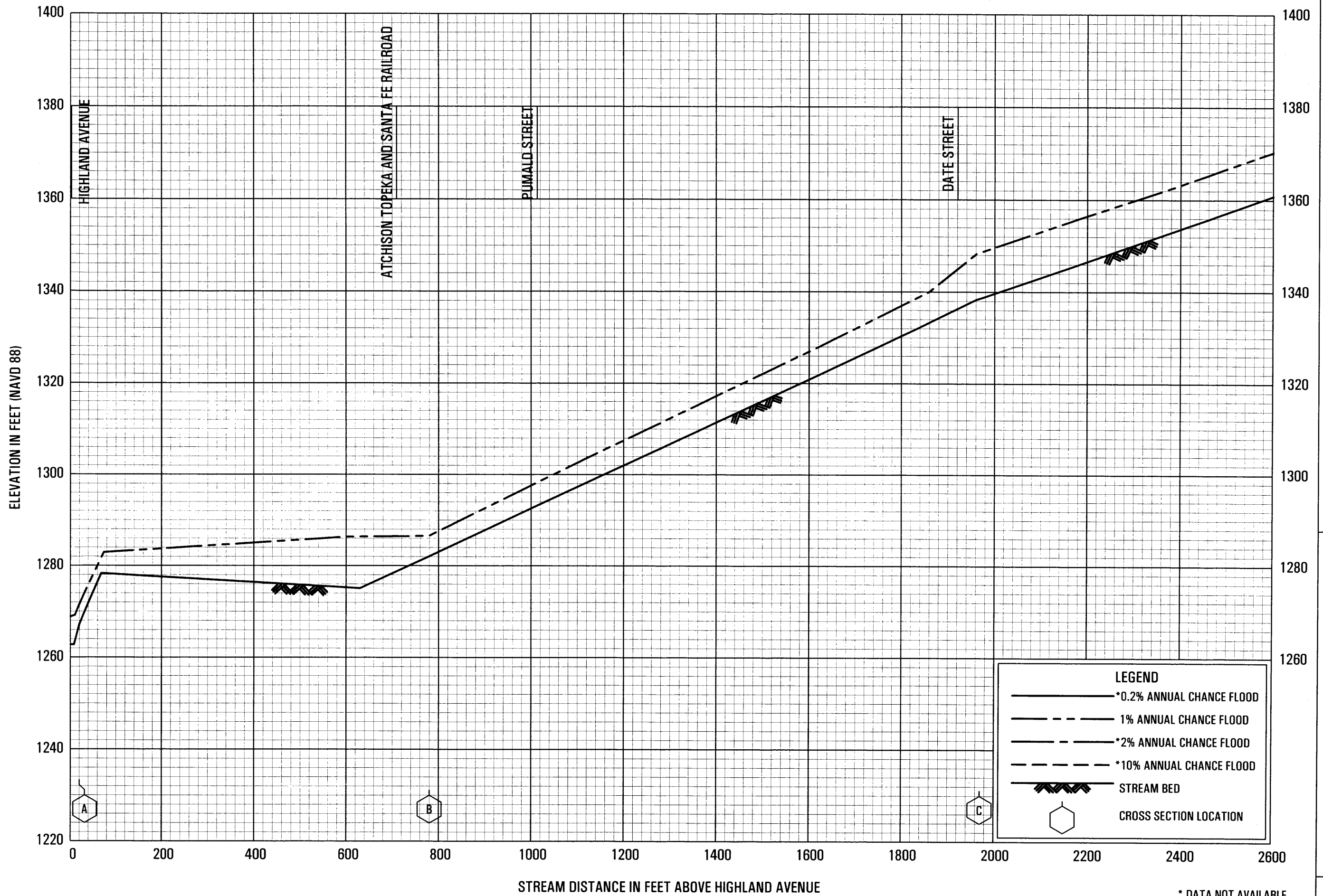
FLOOD PROFILES

RECHE CANYON CHANNEL (WITHOUT LEVEE)

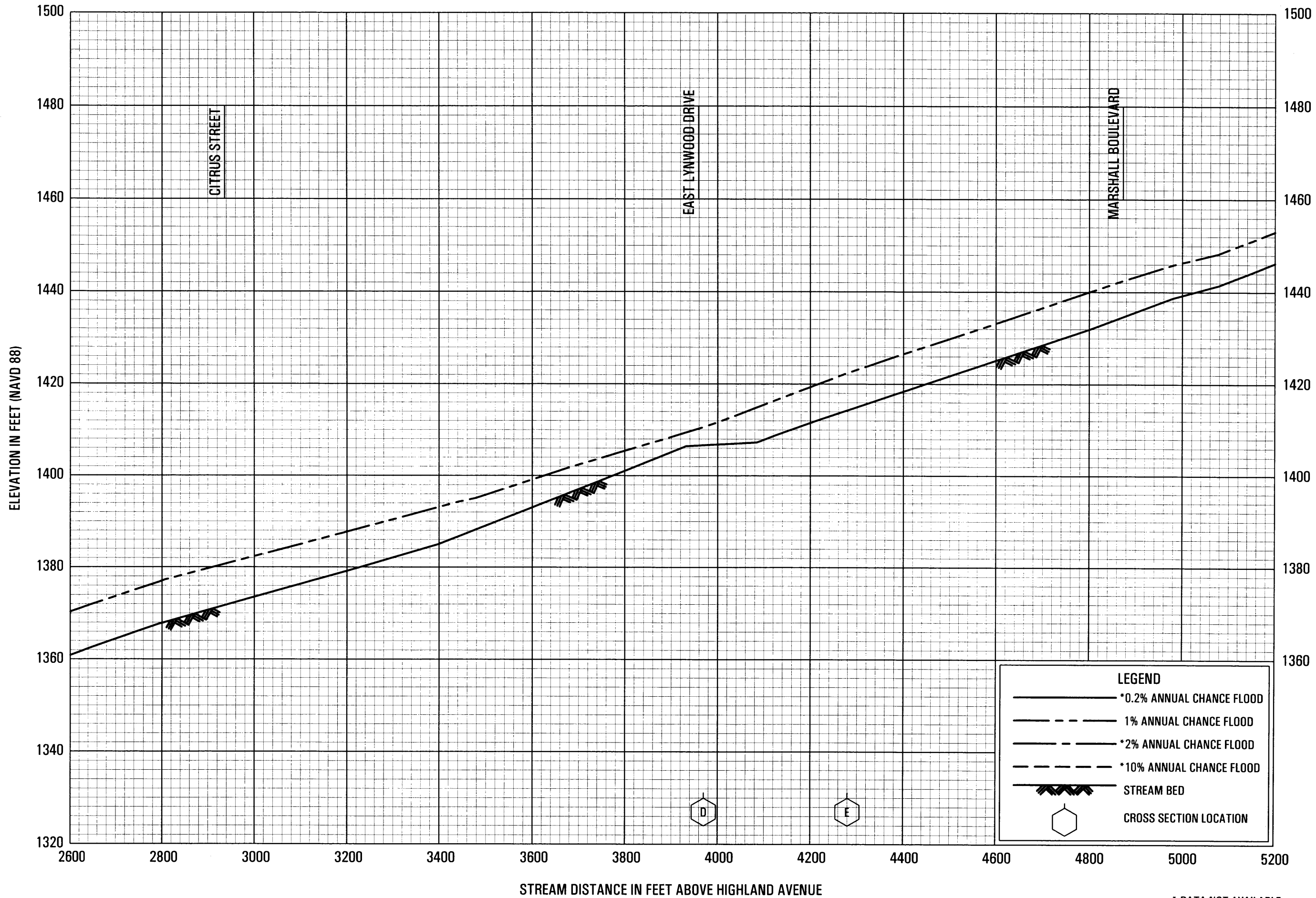
FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS





* DATA NOT AVAILABLE

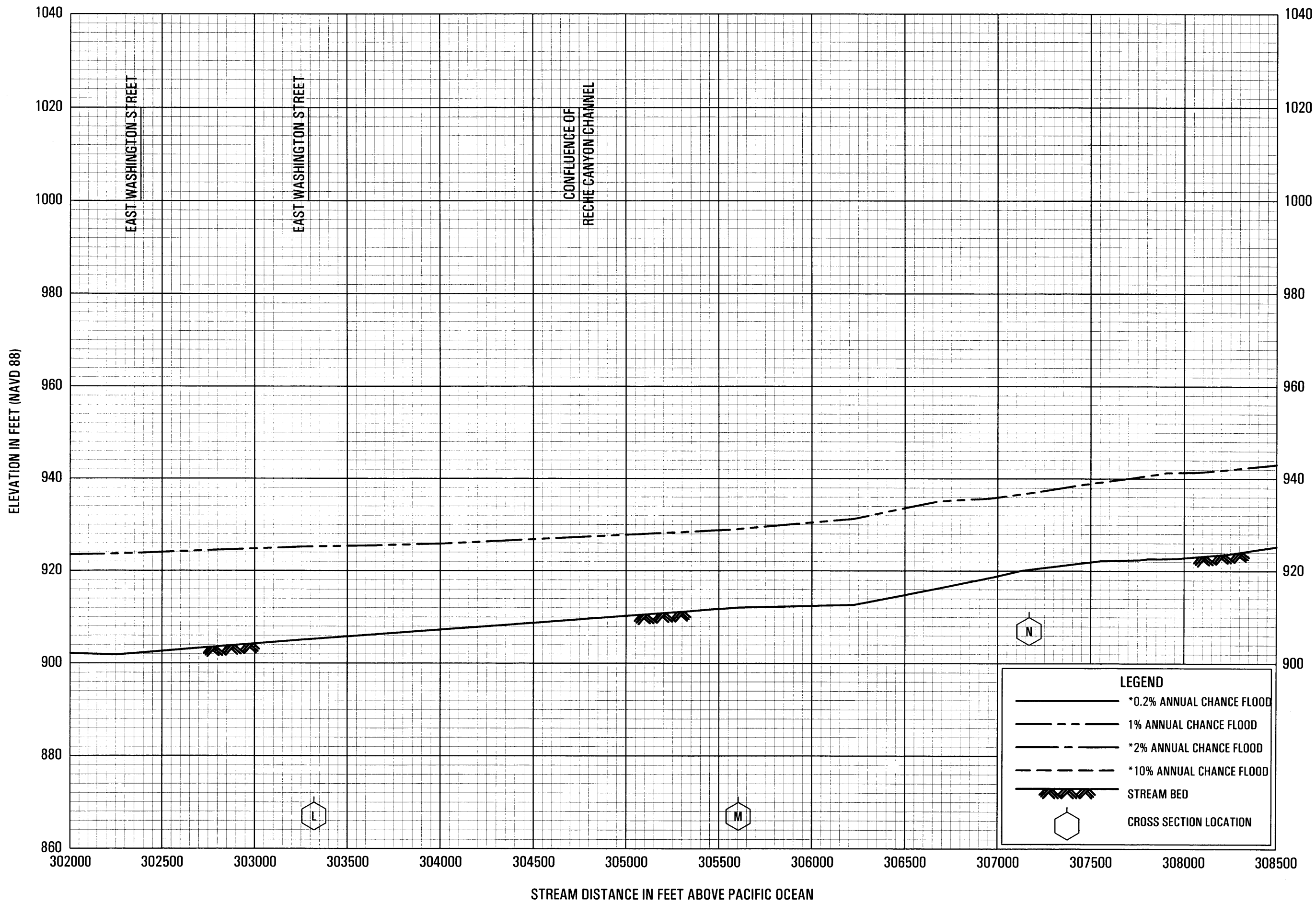


FLOOD PROFILES

SAND CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

* DATA NOT AVAILABLE

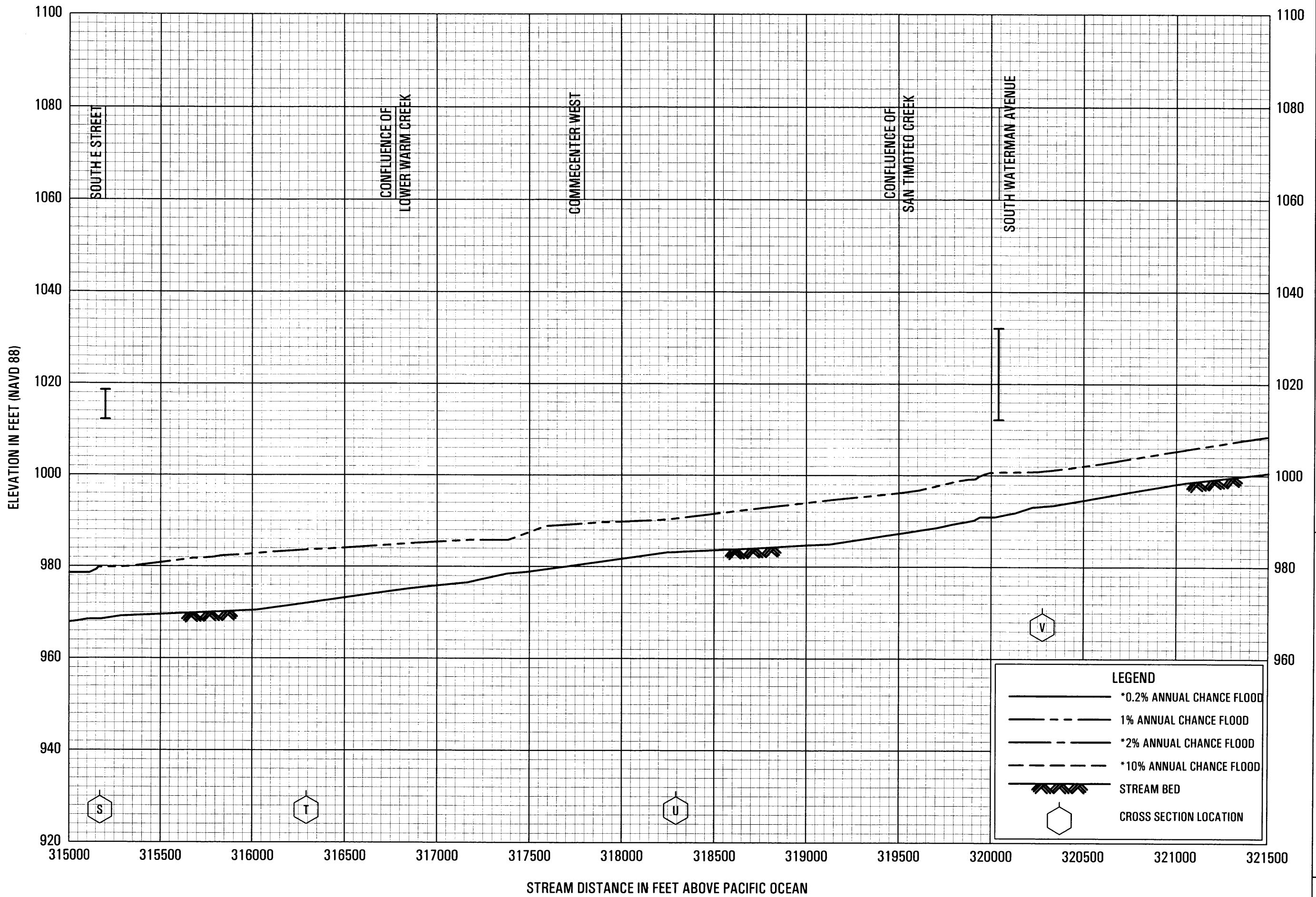


FLOOD PROFILES

SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

*DATA NOT AVAILABLE

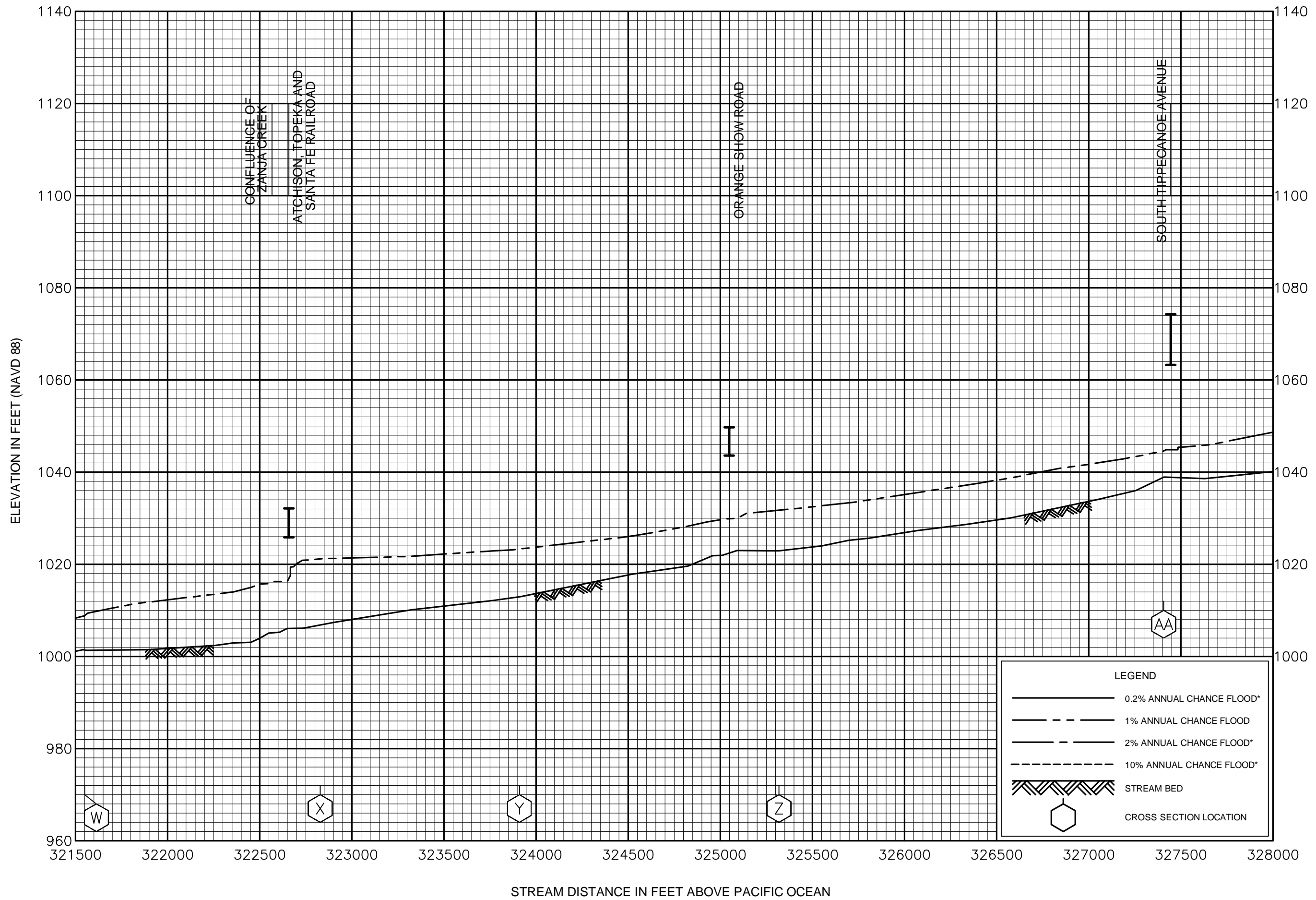


FLOOD PROFILES

SANTA ANA RIVER

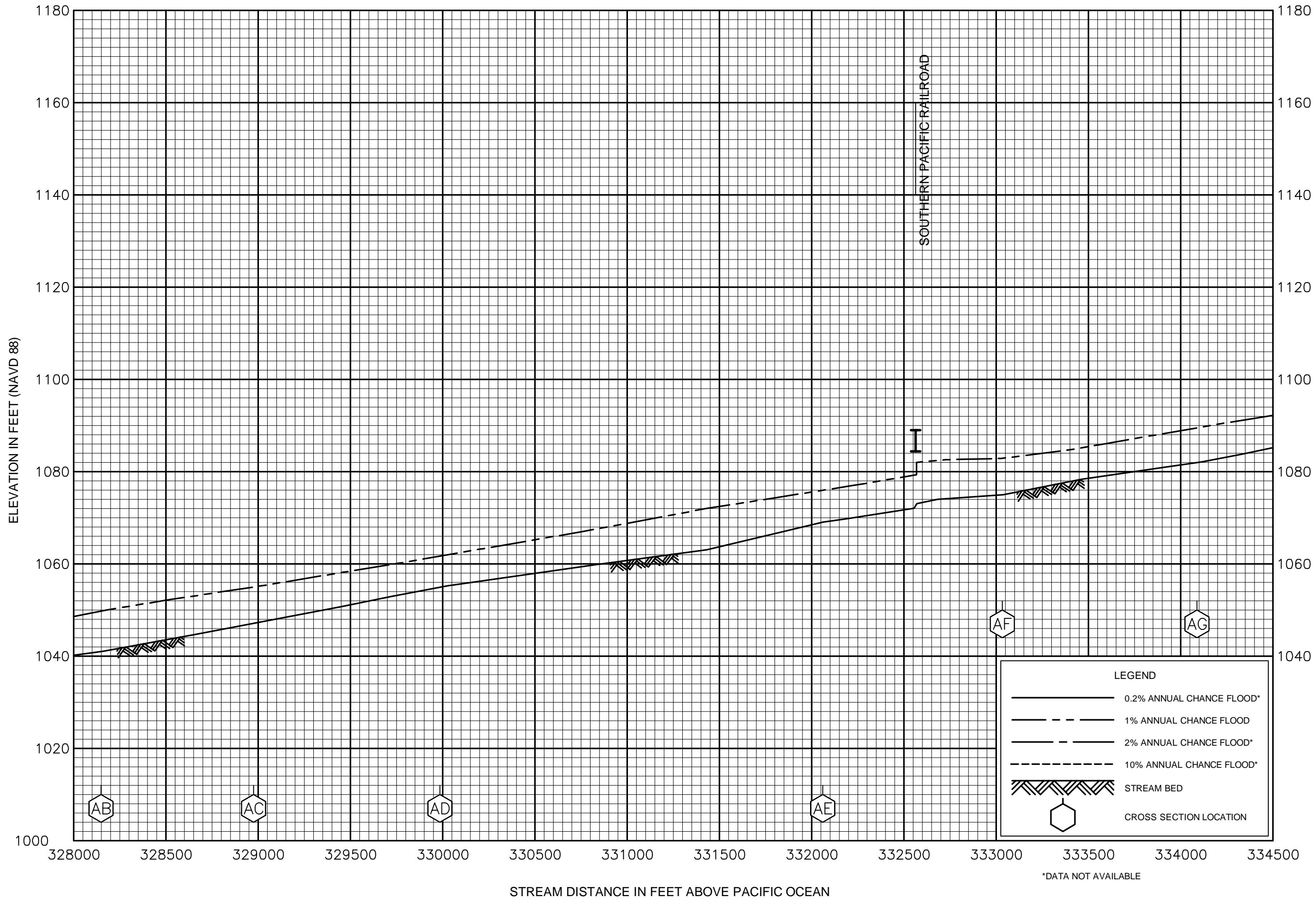
FEDERAL EMERGENCY MANAGEMENT AGENCY
 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

*DATA NOT AVAILABLE



FLOOD PROFILES
SANTA ANA RIVER

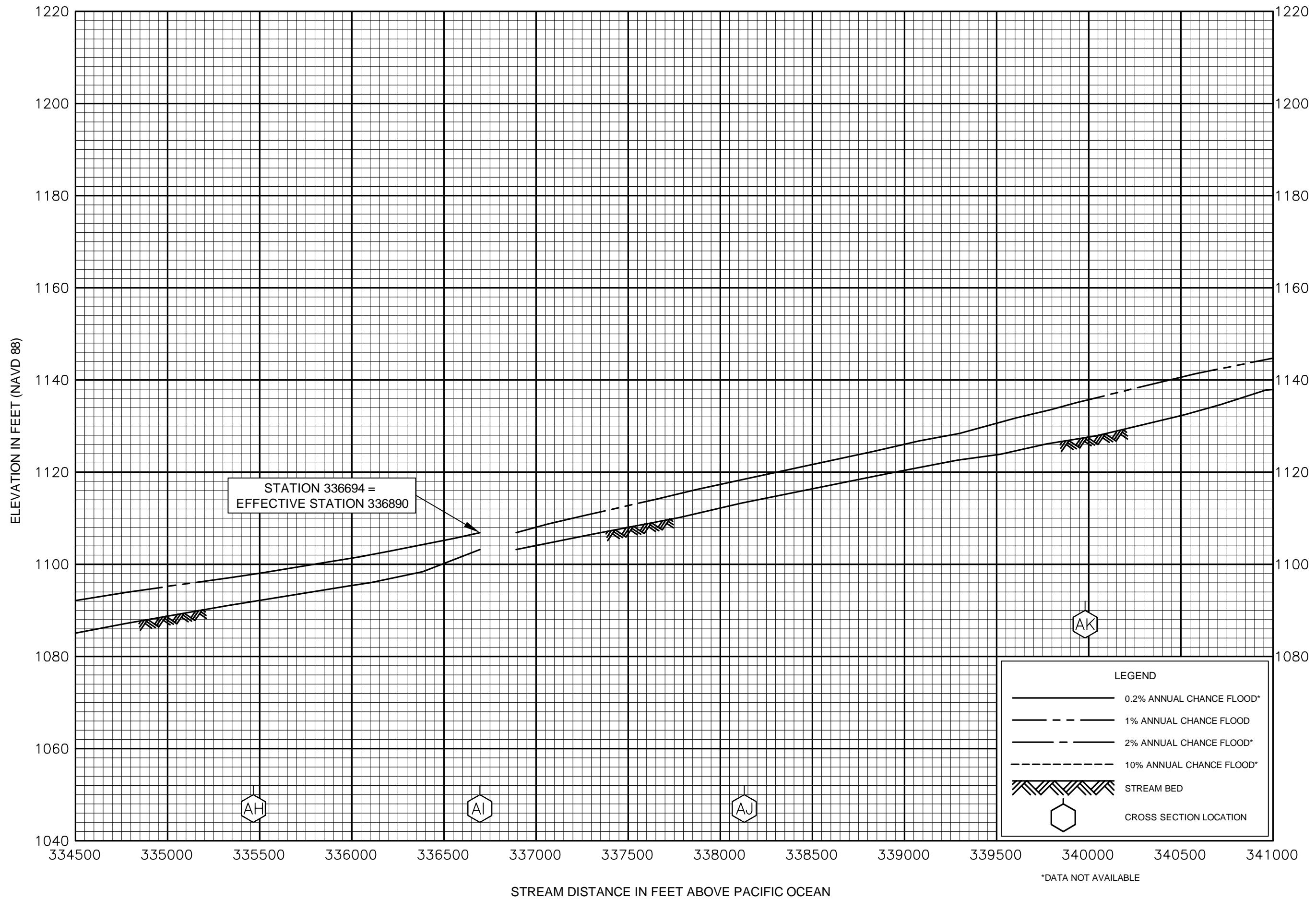
FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



*DATA NOT AVAILABLE

FLOOD PROFILES
SANTA ANA RIVER

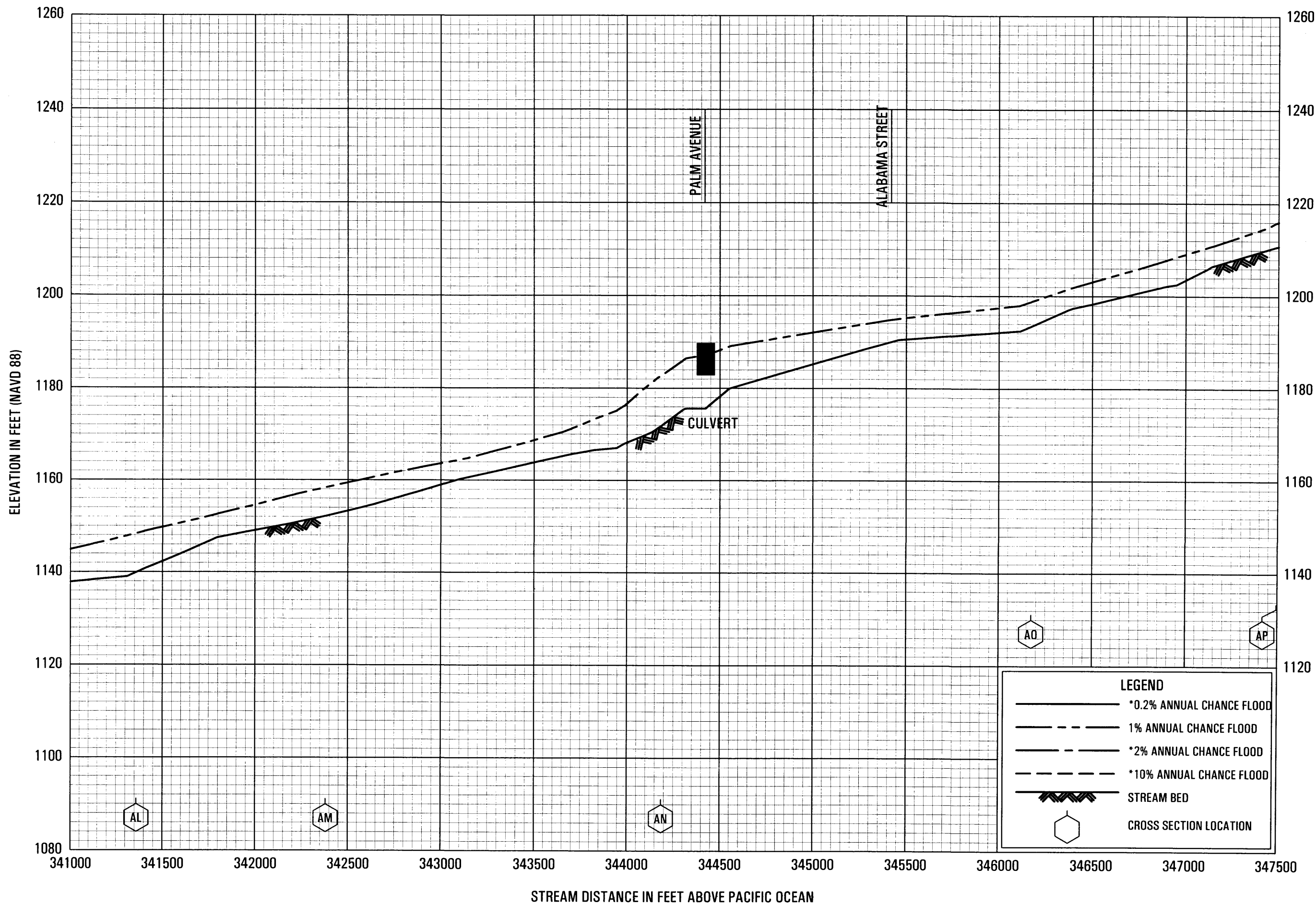
FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



*DATA NOT AVAILABLE

FLOOD PROFILES
SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS

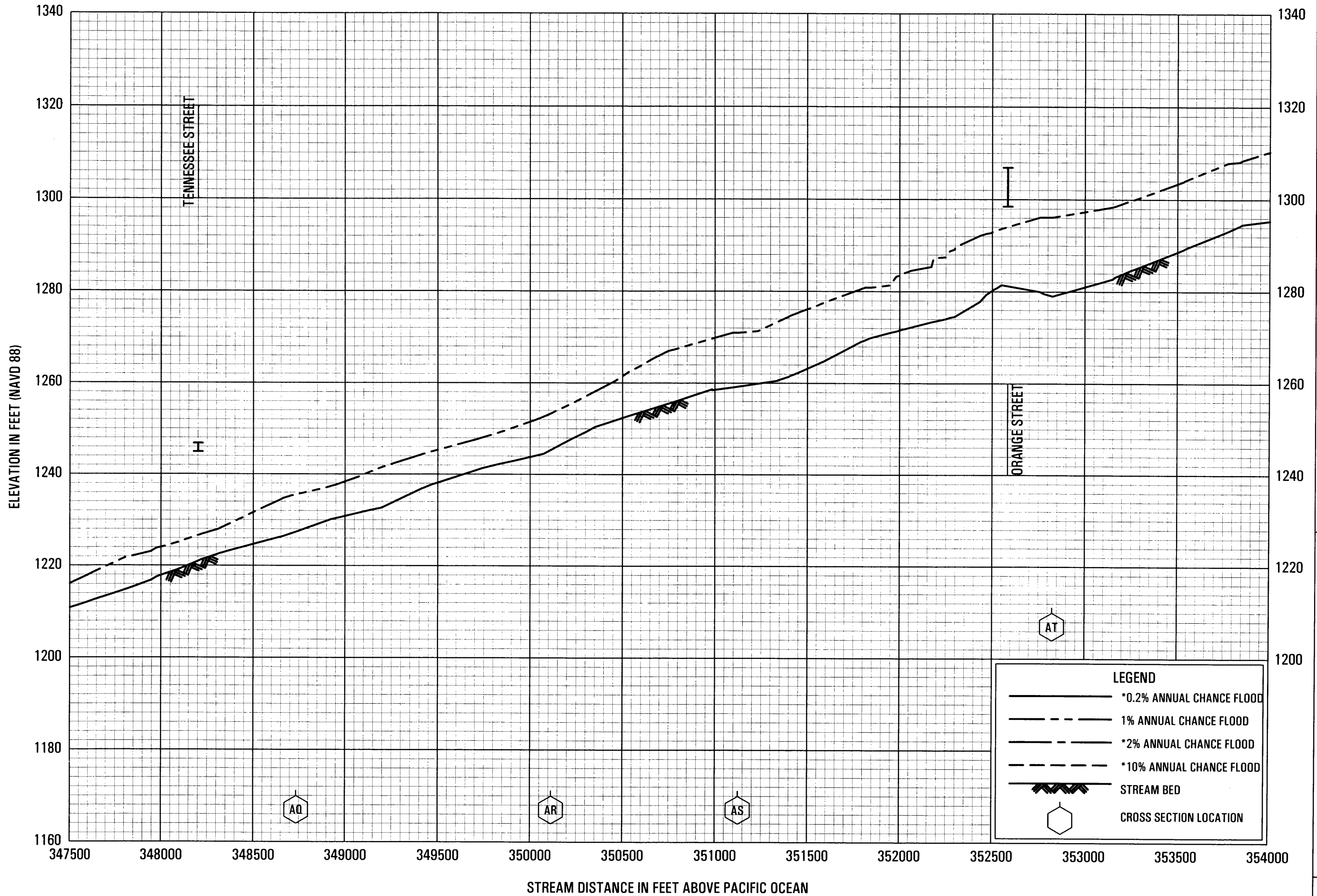


FLOOD PROFILES

SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

*DATA NOT AVAILABLE

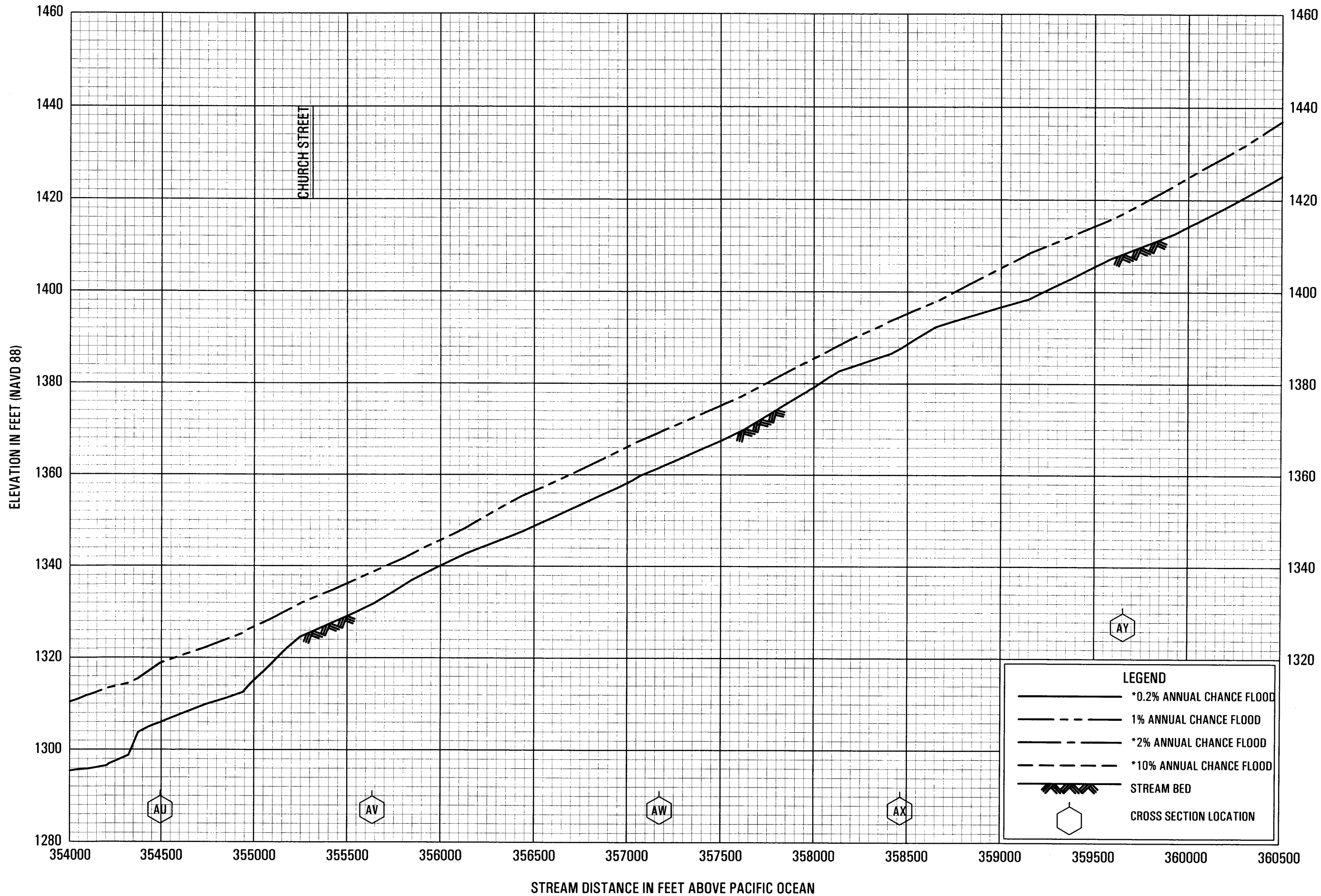


FLOOD PROFILES
SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS

176P

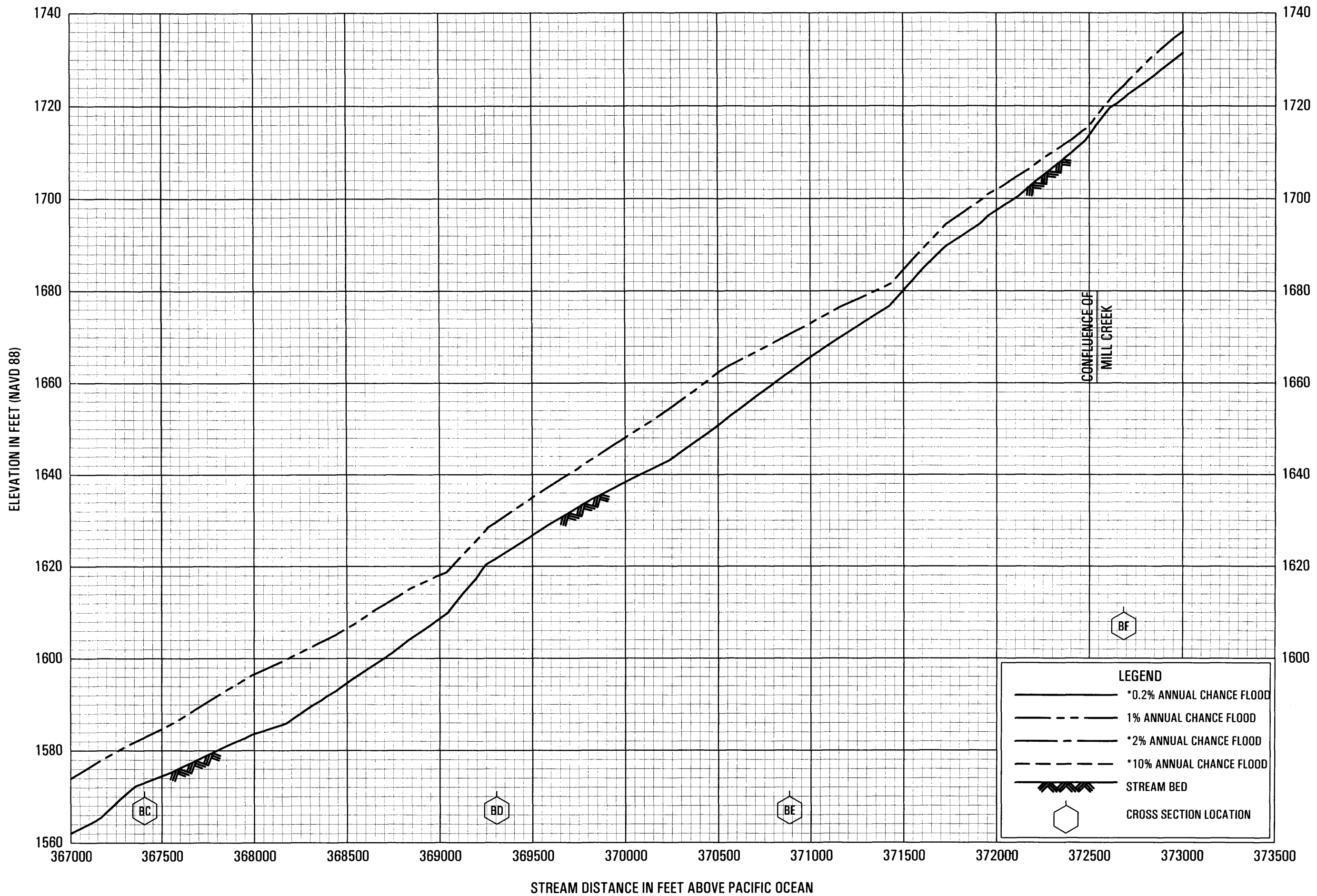
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FLOOD PROFILES
SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS

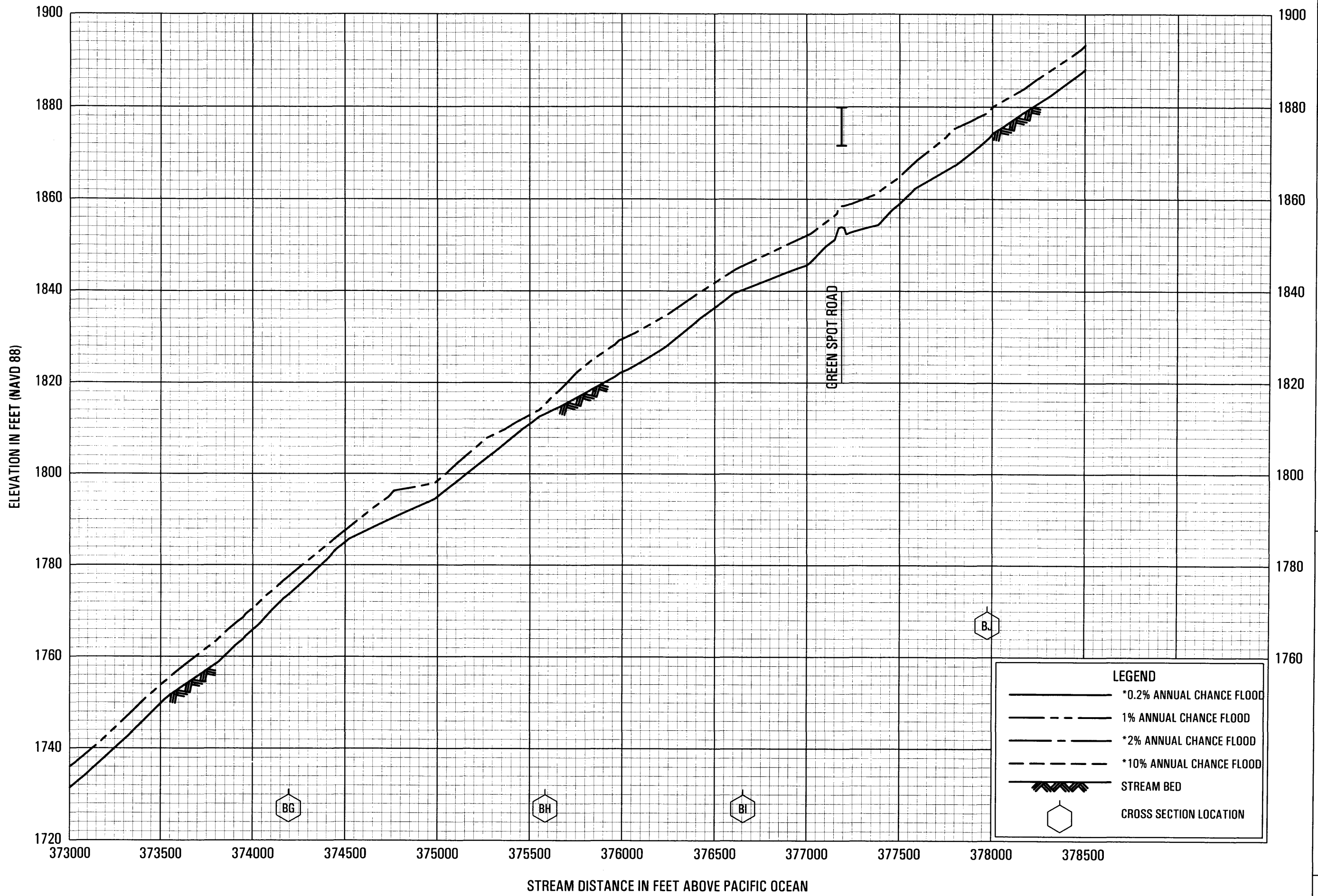
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FLOOD PROFILES
SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

*DATA NOT AVAILABLE



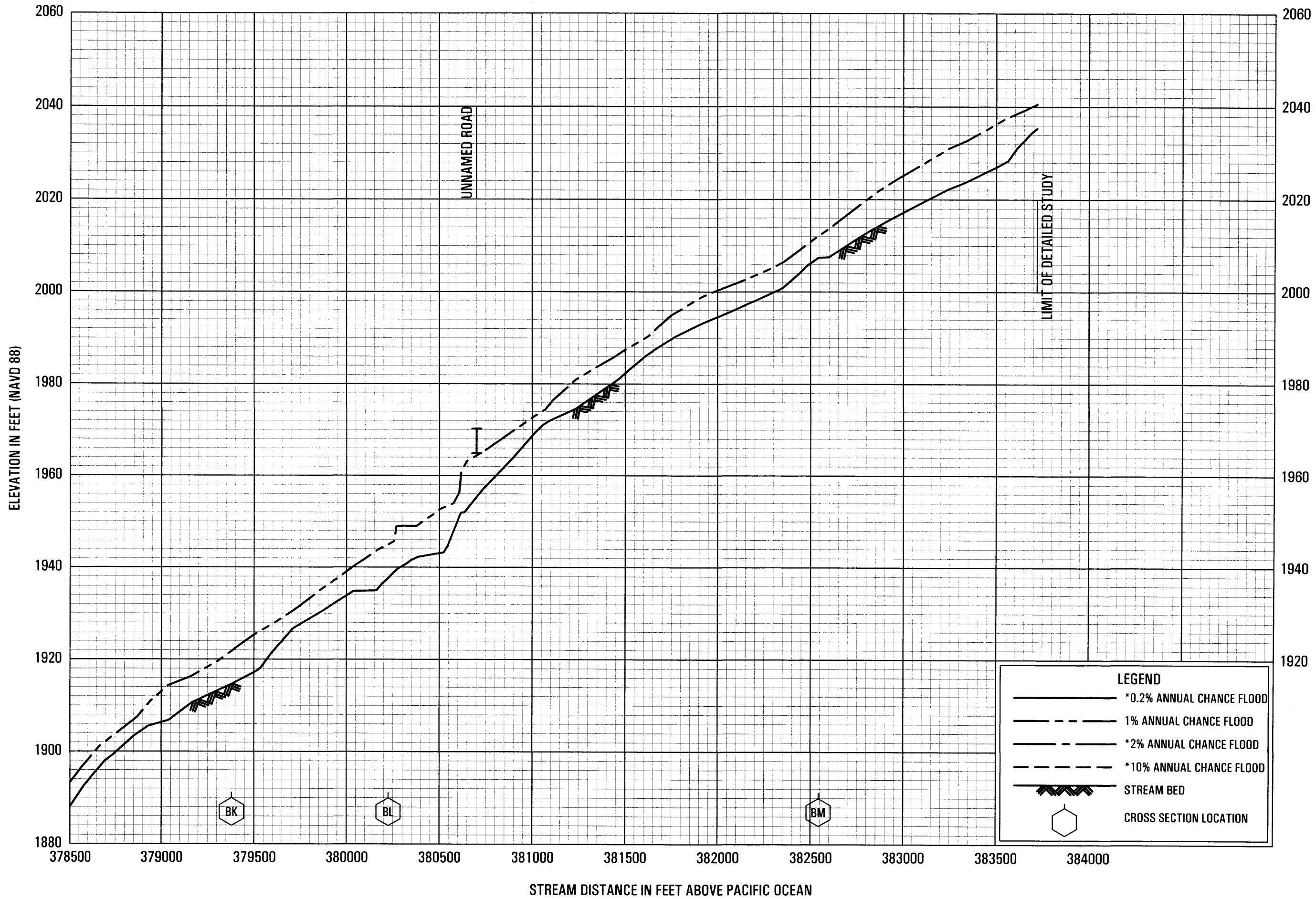
FLOOD PROFILES

SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

180P

*DATA NOT AVAILABLE

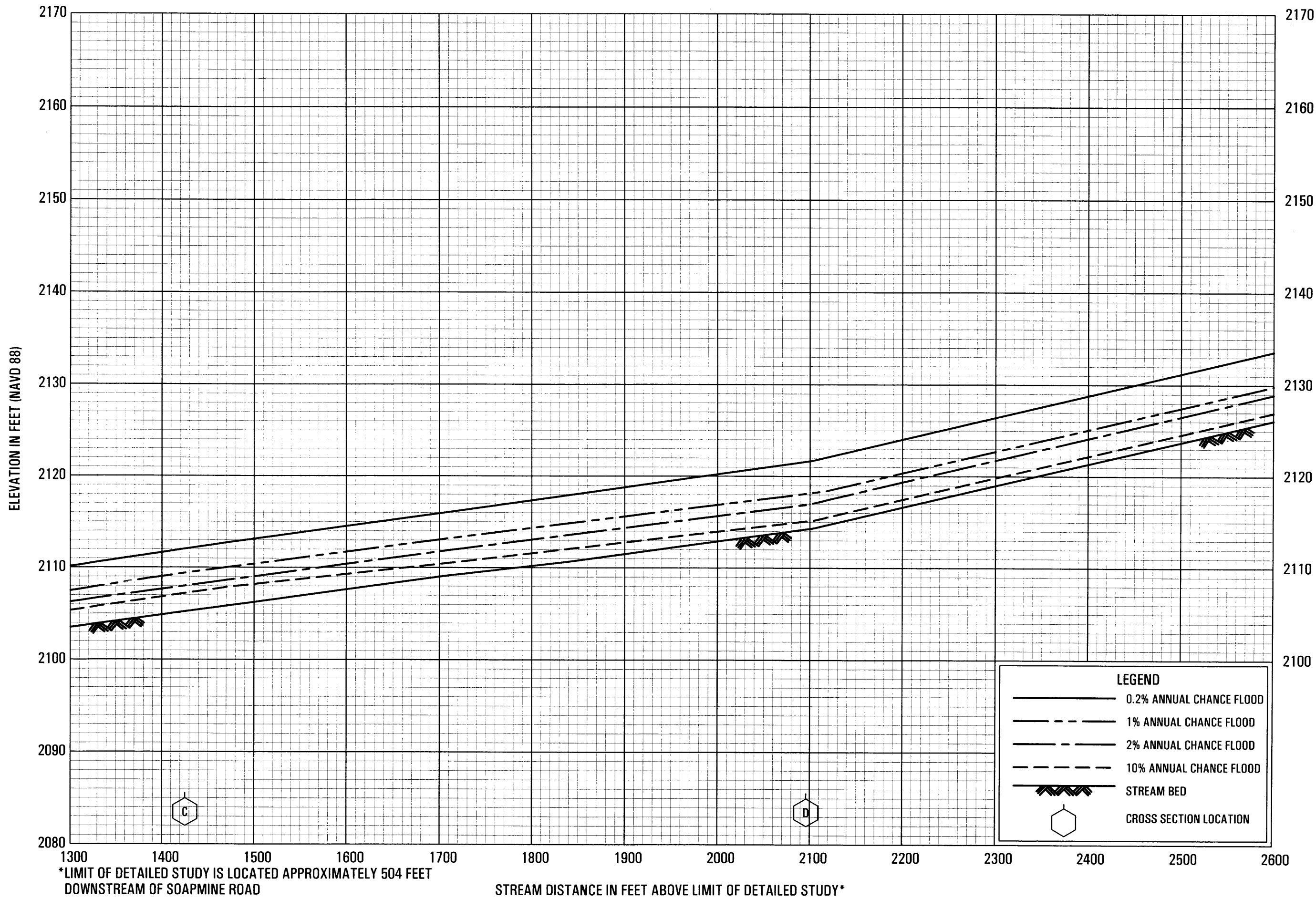


FLOOD PROFILES

SANTA ANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
 SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

*DATA NOT AVAILABLE

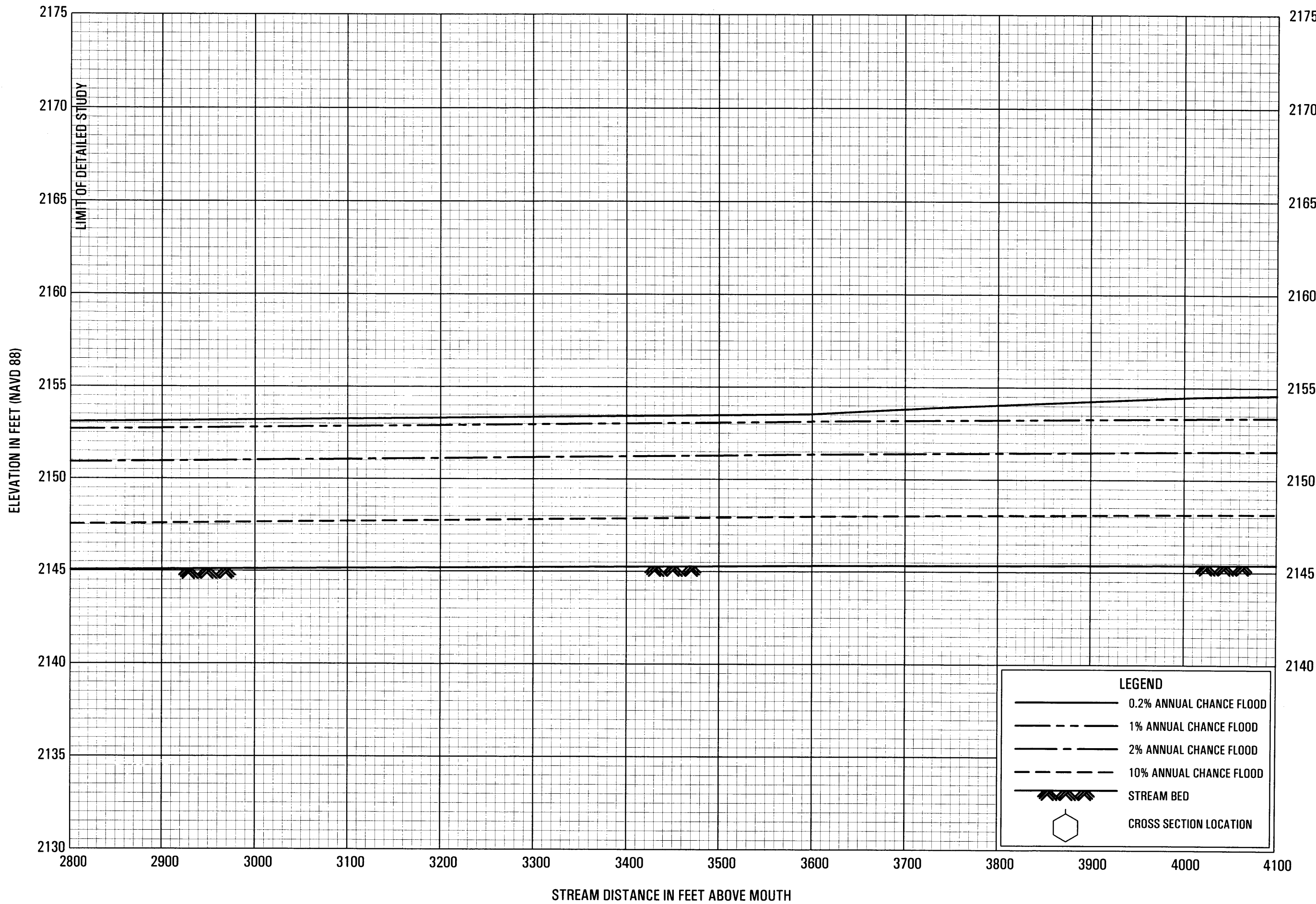


*LIMIT OF DETAILED STUDY IS LOCATED APPROXIMATELY 504 FEET
DOWNSTREAM OF SOAPMINE ROAD

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

FLOOD PROFILES
SOAPMINE CREEK



FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



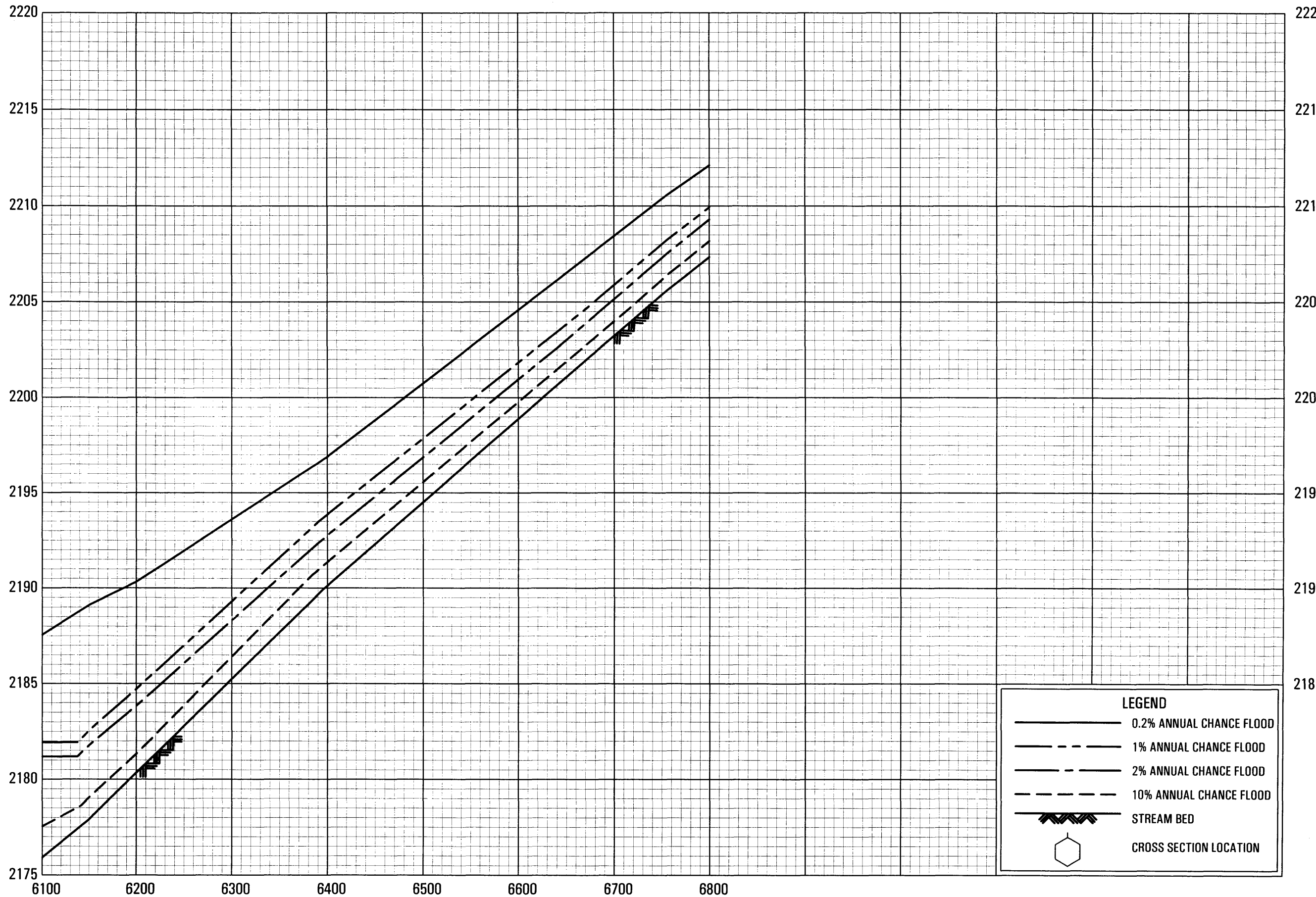
FLOOD PROFILES
SOUTHWEST BARSTOW CHANNEL A

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

LEGEND

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

ELEVATION IN FEET (NAVD 88)



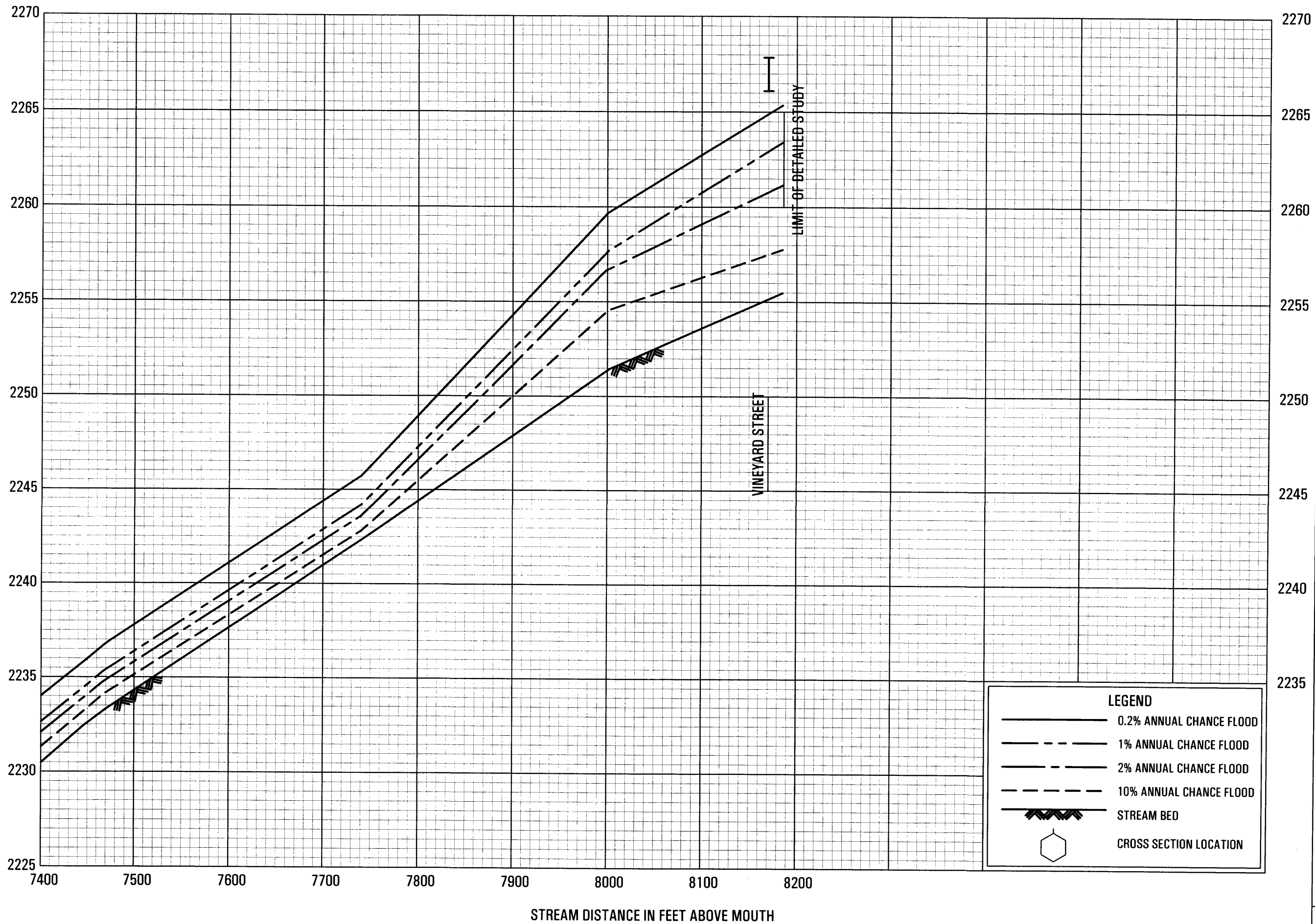
LEGEND

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

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS

FLOOD PROFILES
SOUTHWEST BARSTOW CHANNEL A

ELEVATION IN FEET (NAVD 88)



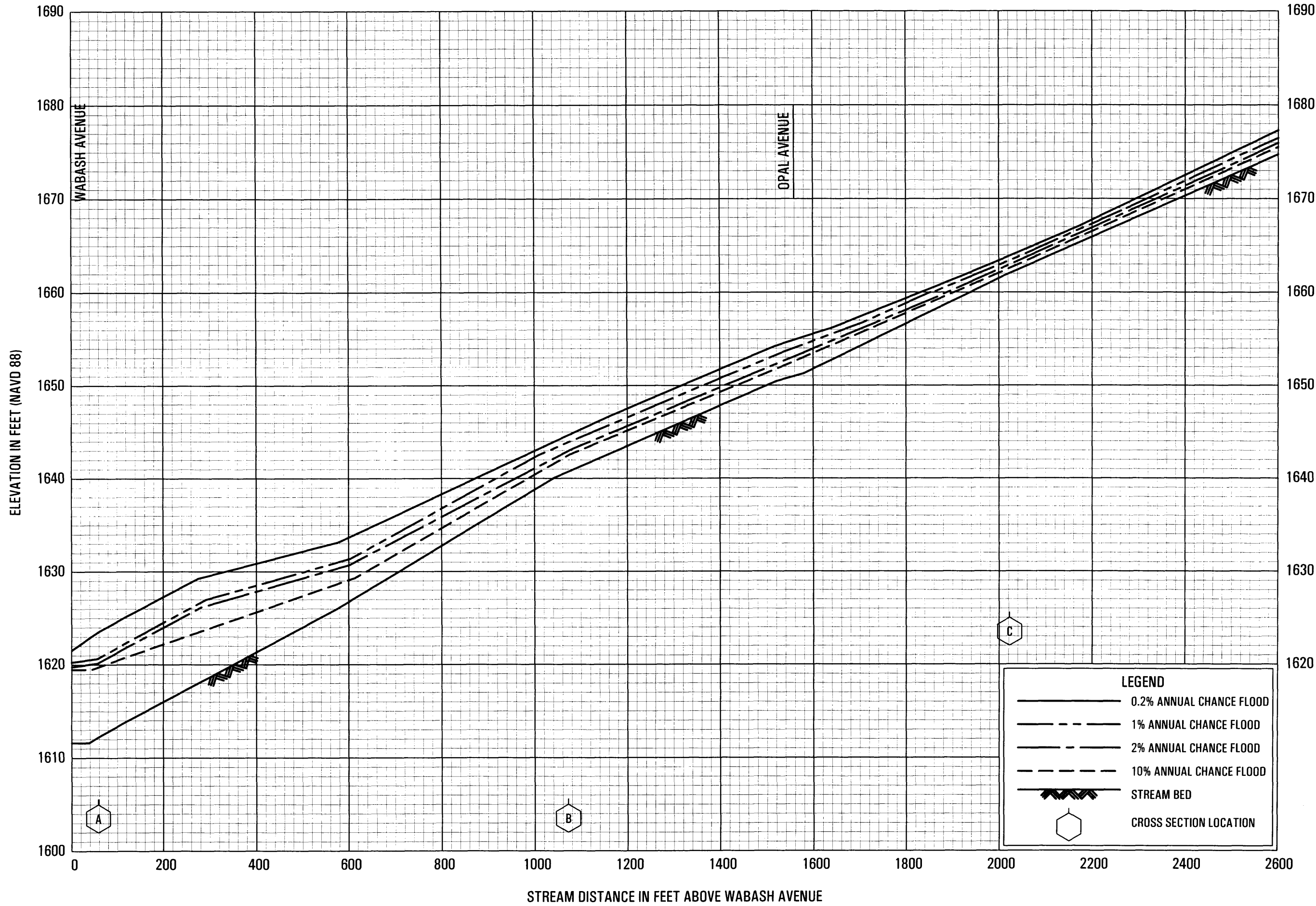
LEGEND

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

FLOOD PROFILES

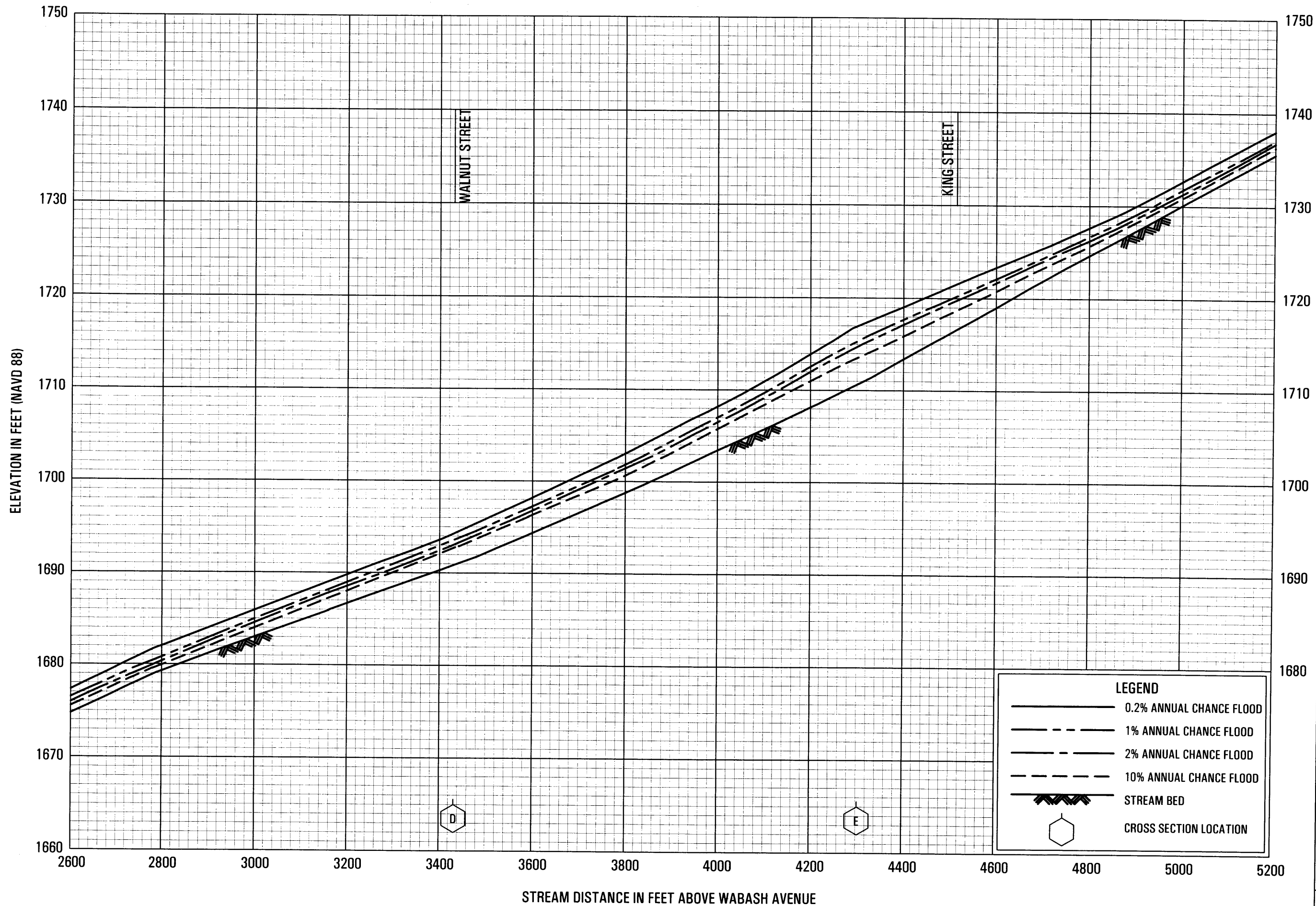
SOUTHWEST BARSTOW CHANNEL A

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



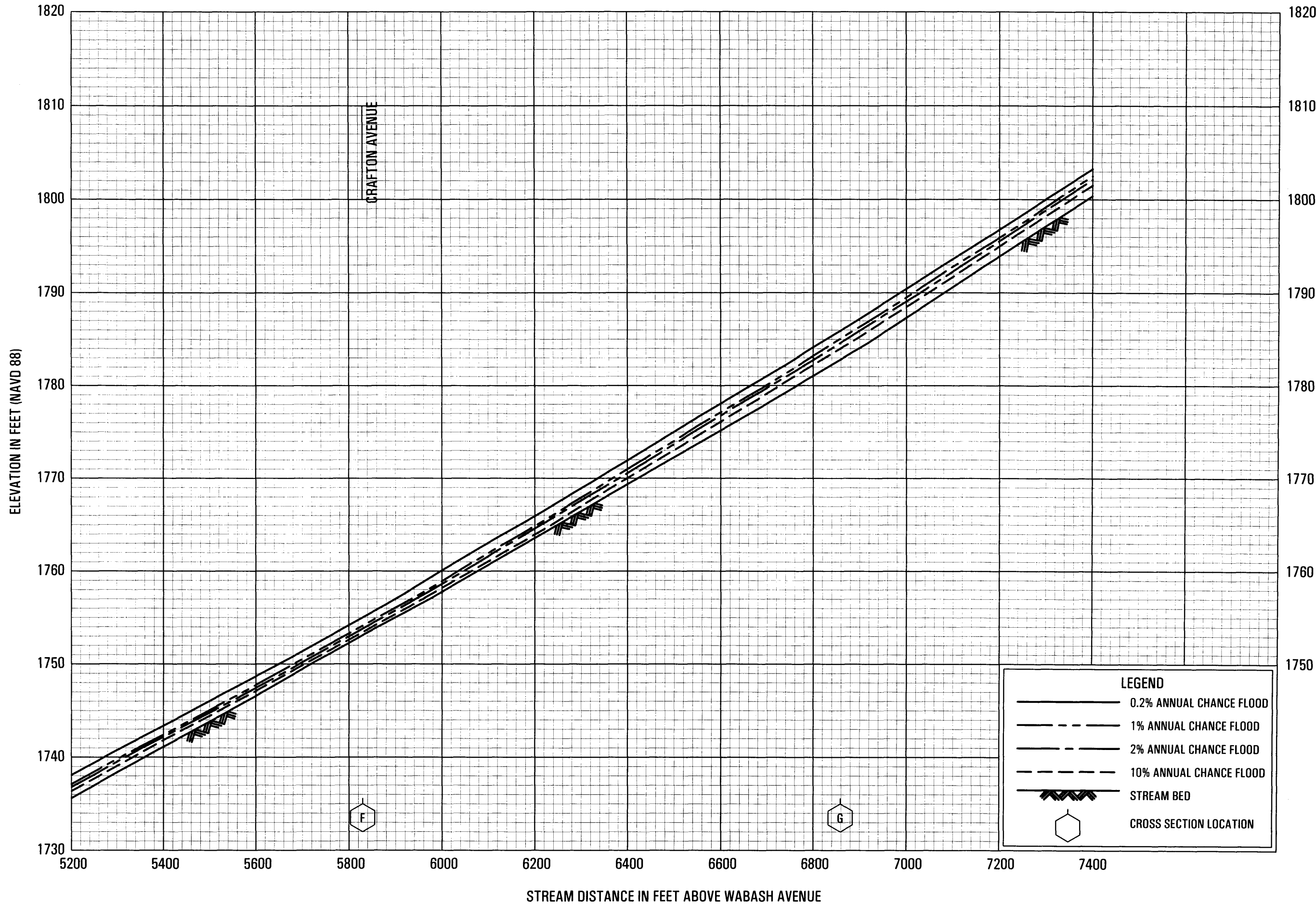
FLOOD PROFILES
THE ZANJA

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES
THE ZANJA

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS



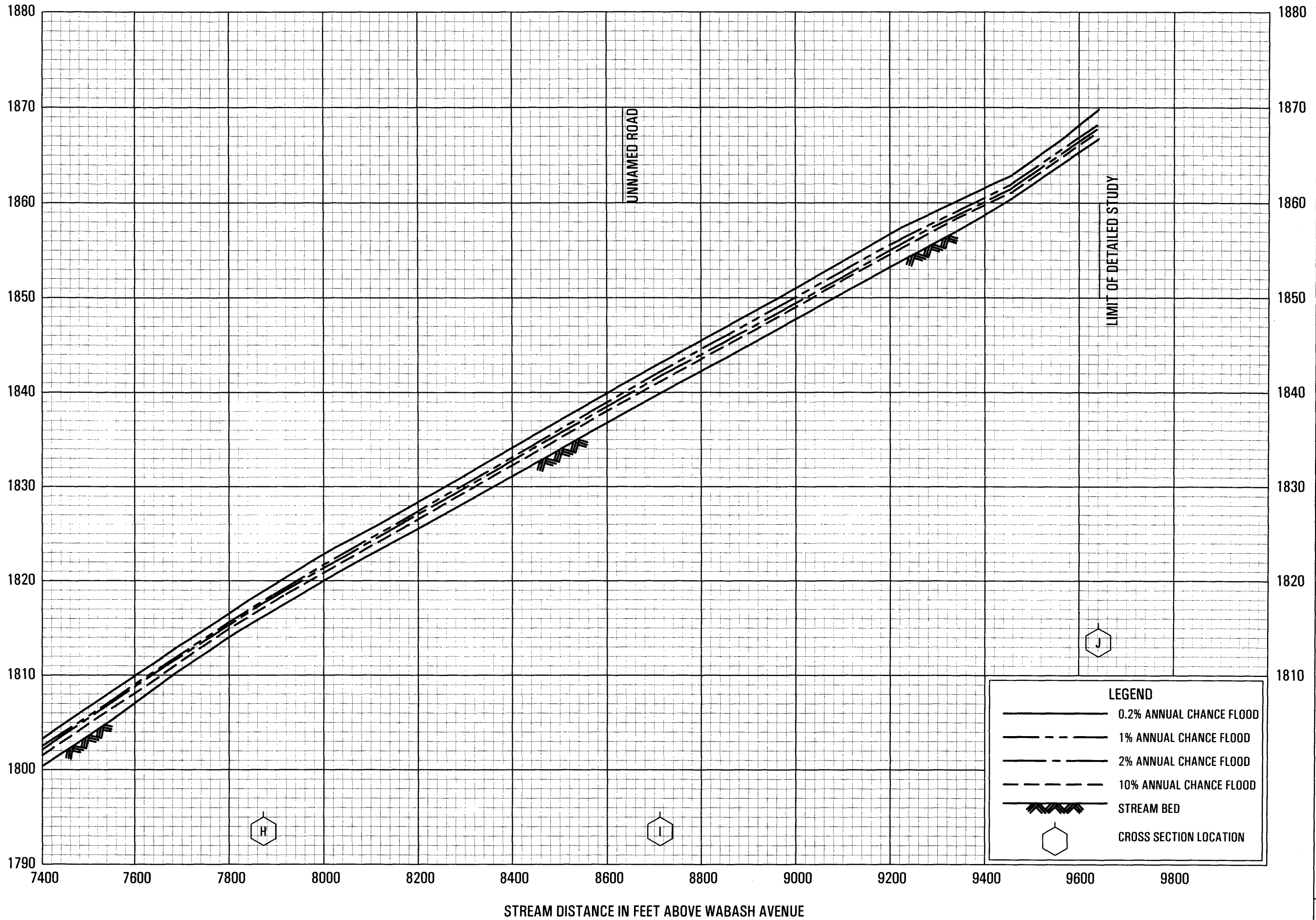
LEGEND

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

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
 AND INCORPORATED AREAS

FLOOD PROFILES
 THE ZANJA

ELEVATION IN FEET (NAVD 88)



FLOOD PROFILES

THE ZANJA

FEDERAL EMERGENCY MANAGEMENT AGENCY
SAN BERNARDINO COUNTY, CA
AND INCORPORATED AREAS