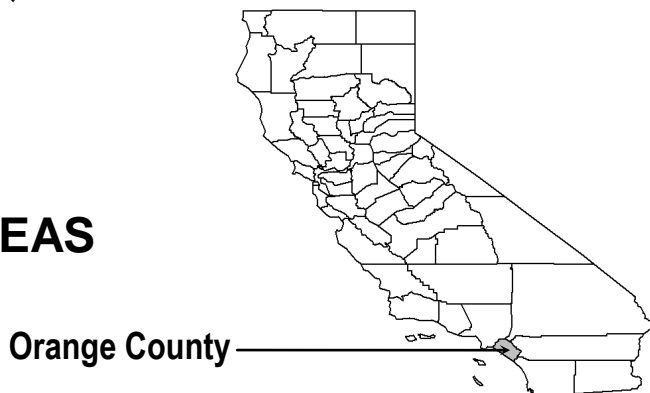


FLOOD INSURANCE STUDY



VOLUME 2 OF 3

ORANGE COUNTY, CALIFORNIA AND INCORPORATED AREAS



COMMUNITY NAME	COMMUNITY NUMBER	COMMUNITY NAME	COMMUNITY NUMBER
ALISO VIEJO, CITY OF *	060770	LAKE FOREST, CITY OF	060759
ANAHEIM, CITY OF	060213	LOS ALAMITOS, CITY OF	060226
BREA, CITY OF	060214	MISSION VIEJO, CITY OF	060735
BUENA PARK, CITY OF	060215	NEWPORT BEACH, CITY OF	060227
COSTA MESA, CITY OF	060216	ORANGE, CITY OF	060228
CYPRESS, CITY OF	060217	ORANGE COUNTY	
DANA POINT, CITY OF	060736	(UNINCORPORATED AREAS)	060212
FOUNTAIN VALLEY, CITY OF	060218	PLACENTIA, CITY OF	060229
FULLERTON, CITY OF	060219	RANCHO SANTA MARGARITA, CITY OF	060769
GARDEN GROVE, CITY OF	060220	SAN CLEMENTE, CITY OF	060230
HUNTINGTON BEACH, CITY OF	065034	SAN JUAN CAPISTRANO, CITY OF	060231
IRVINE, CITY OF	060222	SANTA ANA, CITY OF	060232
LA HABRA, CITY OF	060224	SEAL BEACH, CITY OF	060233
LA PALMA, CITY OF ¹	060225	STANTON, CITY OF	060234
LAGUNA BEACH, CITY OF	060223	TUSTIN, CITY OF	060235
LAGUNA HILLS, CITY OF	060760	VILLA PARK, CITY OF	060236
LAGUNA NIGUEL, CITY OF	060764	WESTMINSTER, CITY OF	060237
LAGUNA WOODS, CITY OF	060768	YORBA LINDA, CITY OF	060238

*NOT PARTICIPATING IN THE NFIP

¹NON-FLOODPRONE COMMUNITY



REVISED:

DECEMBER 3, 2009

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
06059CV002B

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.

Initial Countywide FIS Effective Date: September 15, 1989

Revised Countywide FIS Dates:	February 5, 1992 – To add base flood elevations, to add special flood hazard areas, to update map format, and to reflect updated topographic information.
	November 3, 1993 – To change base flood elevations, to change special flood hazard areas, to add roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to change floodway.
	January 3, 1997 – To incorporate previously issued letters of map revision.
	February 18, 2004 – To update corporate limits, to add special flood hazard areas, to change zone designations, to update map format, to incorporate previously issued letters of map revision, and to update roads and road names.
	December 3, 2009 – To update corporate limits, to incorporate previously issued letters of map revision, to change special flood hazard areas, to update roads and road names and to reflect updated topographic information.

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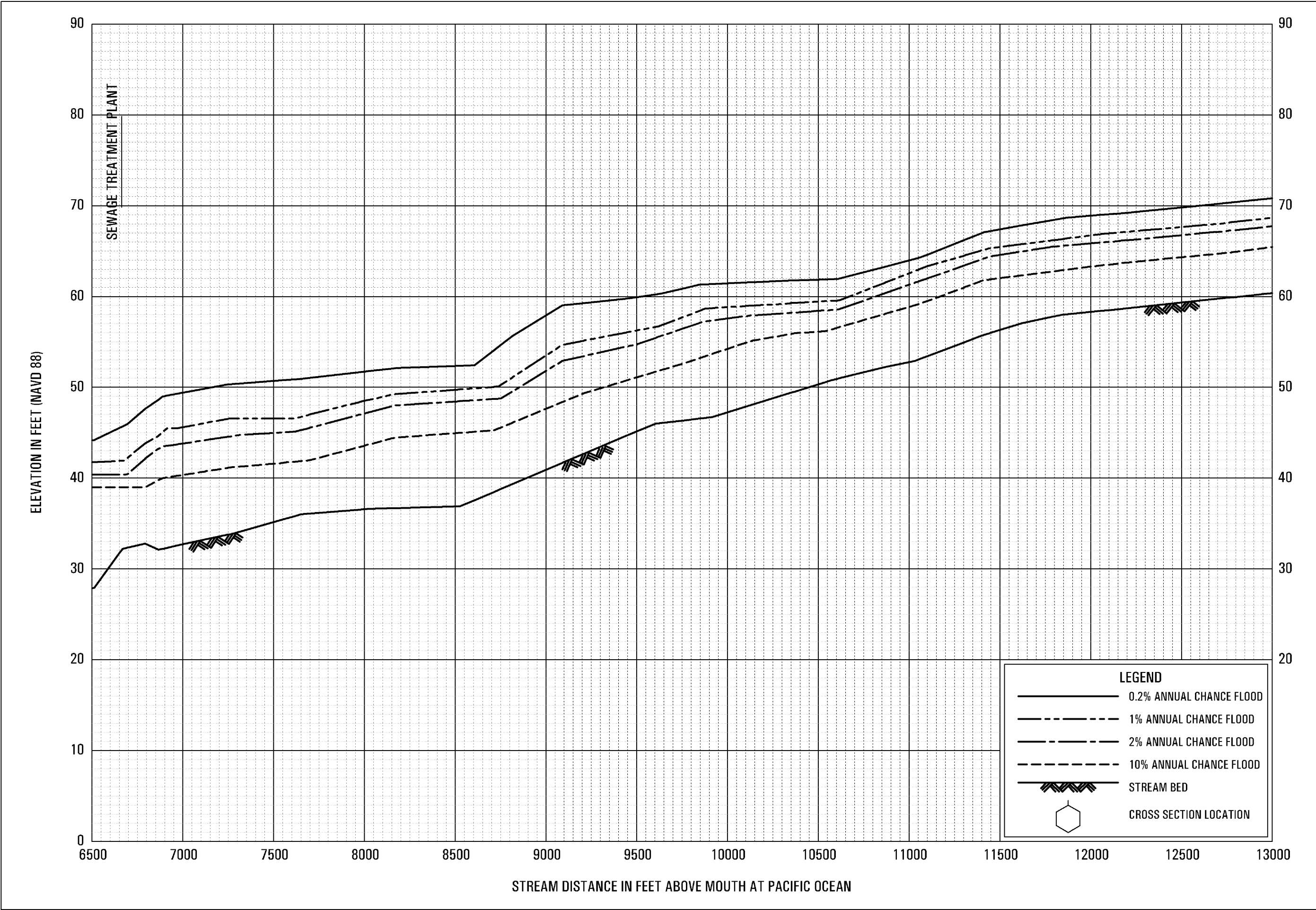
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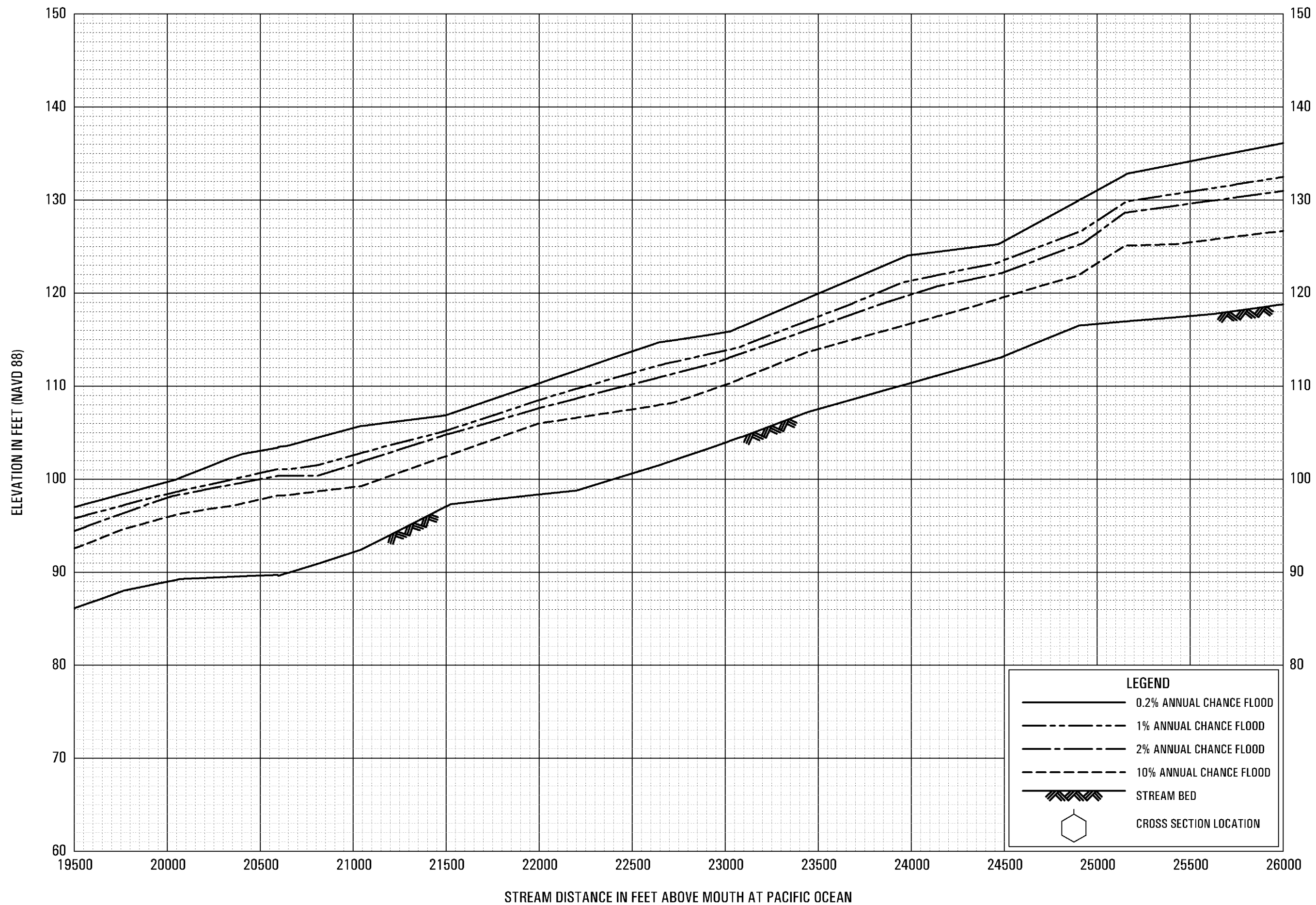
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Exhibit 2 - Flood Insurance Rate Map Index

Flood Insurance Rate Map



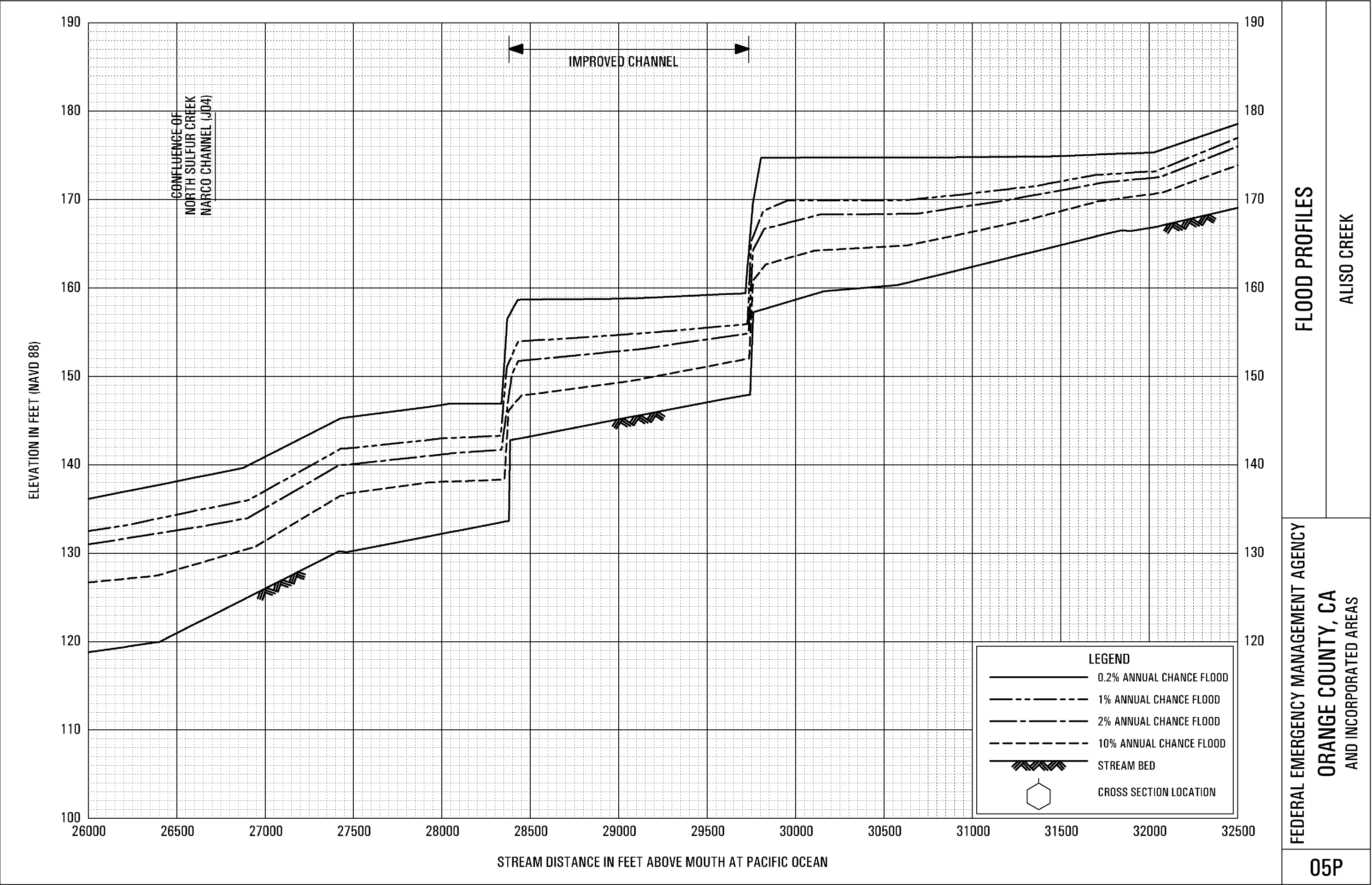


FLOOD PROFILES

ALISO CREEK

**FEDERAL EMERGENCY MANAGEMENT AGENCY
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AND INCORPORATED AREAS**

04P

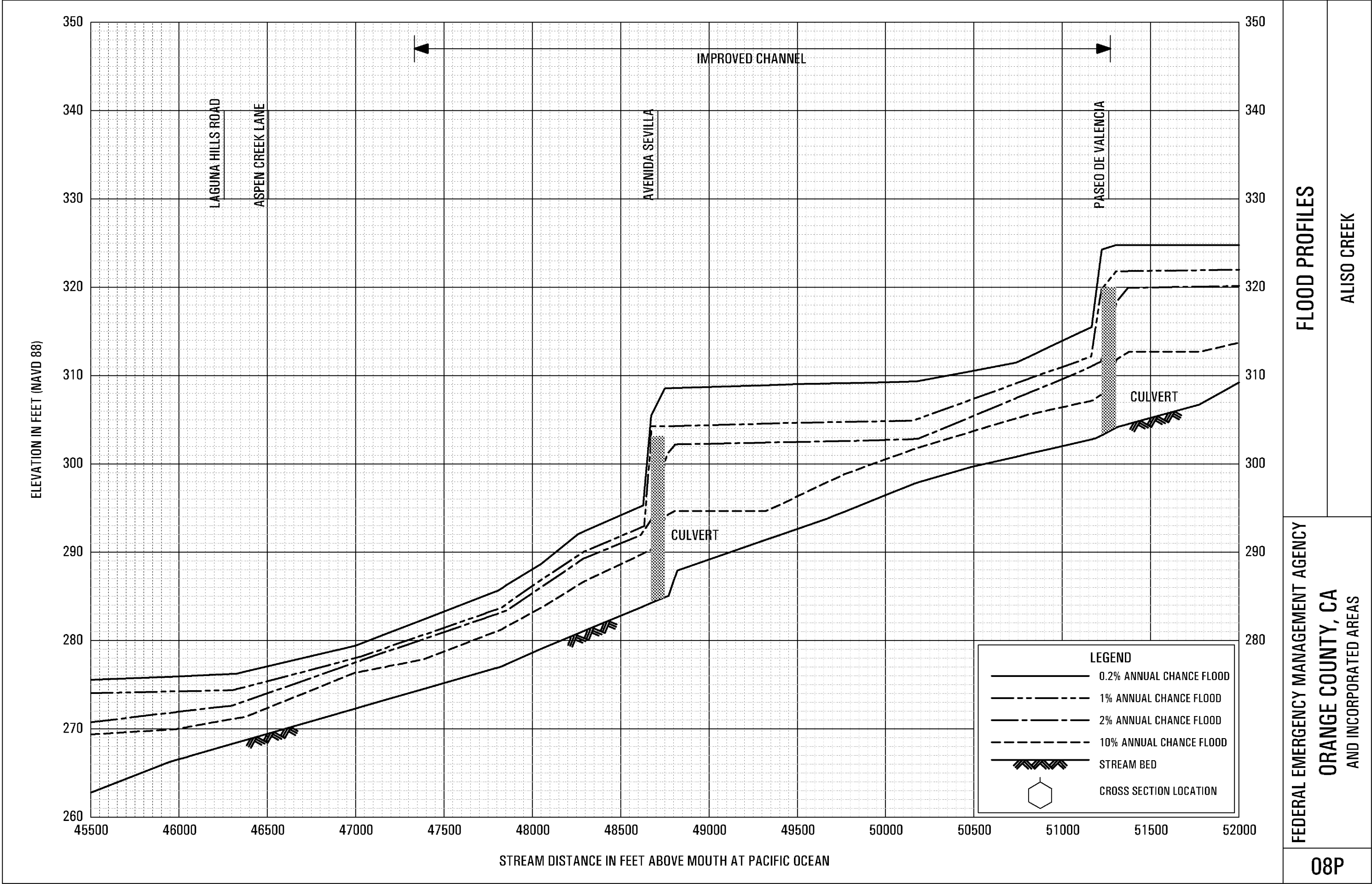


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ALISO CREEK

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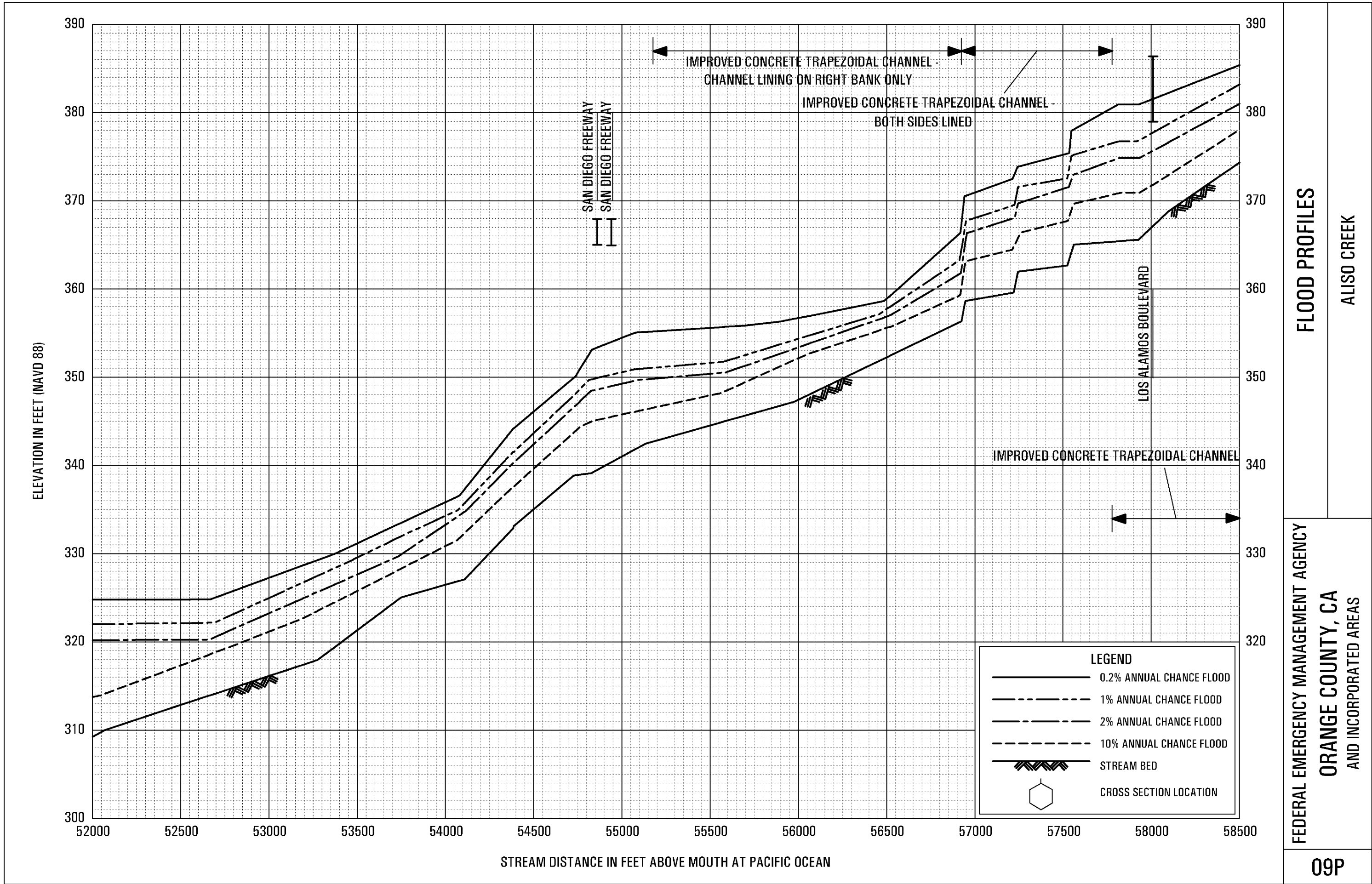
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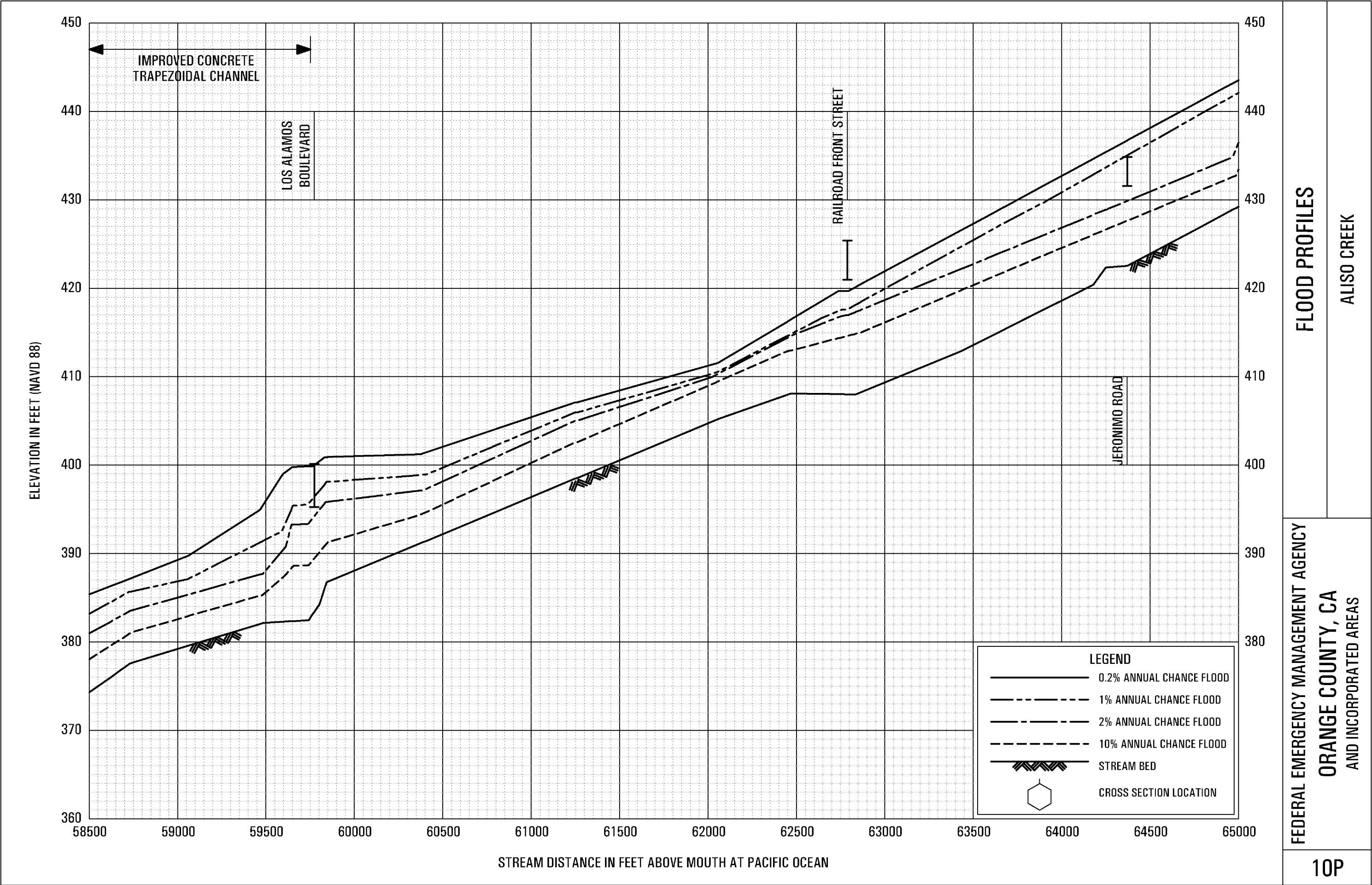
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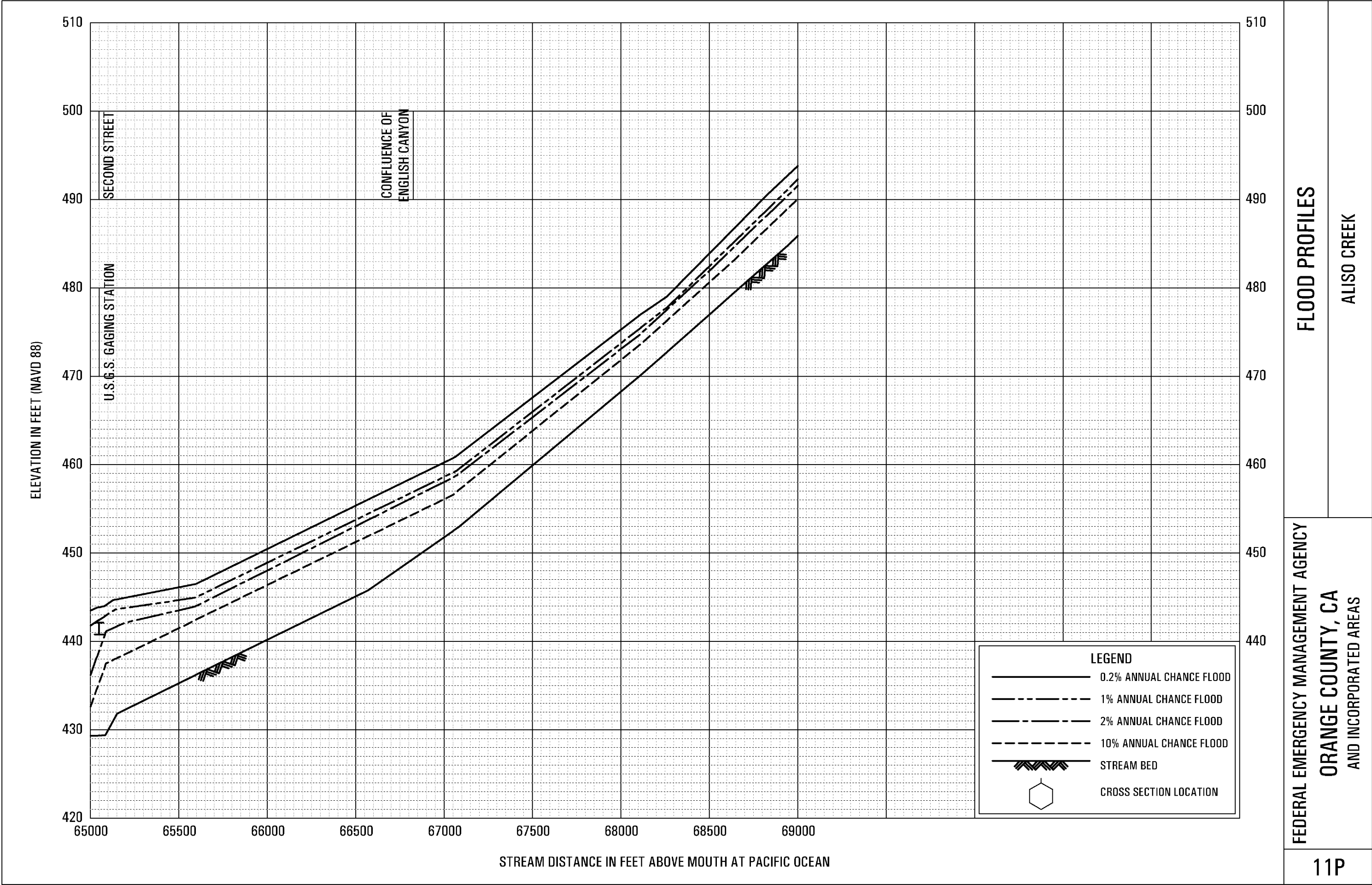


FLOOD PROFILES

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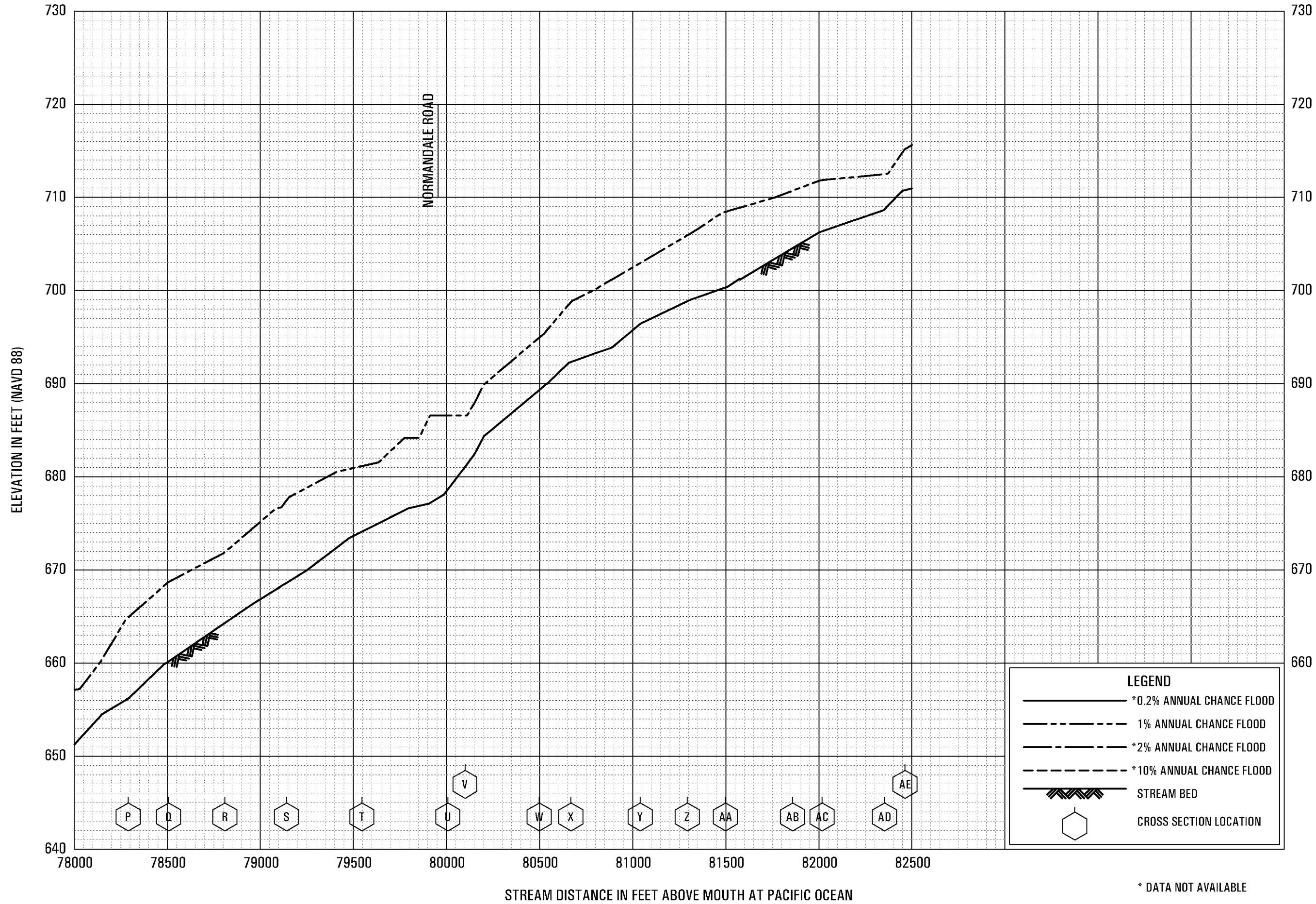


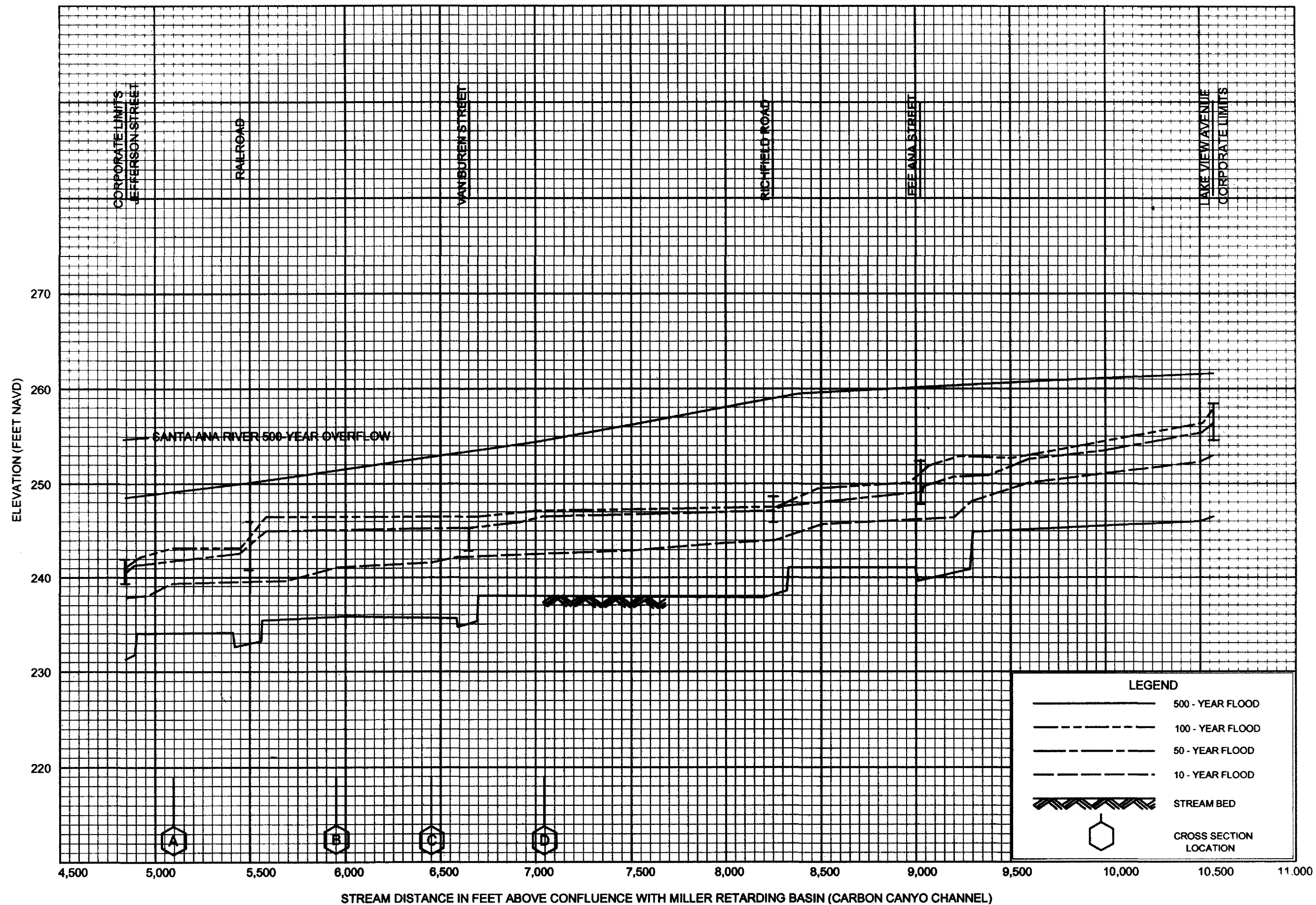


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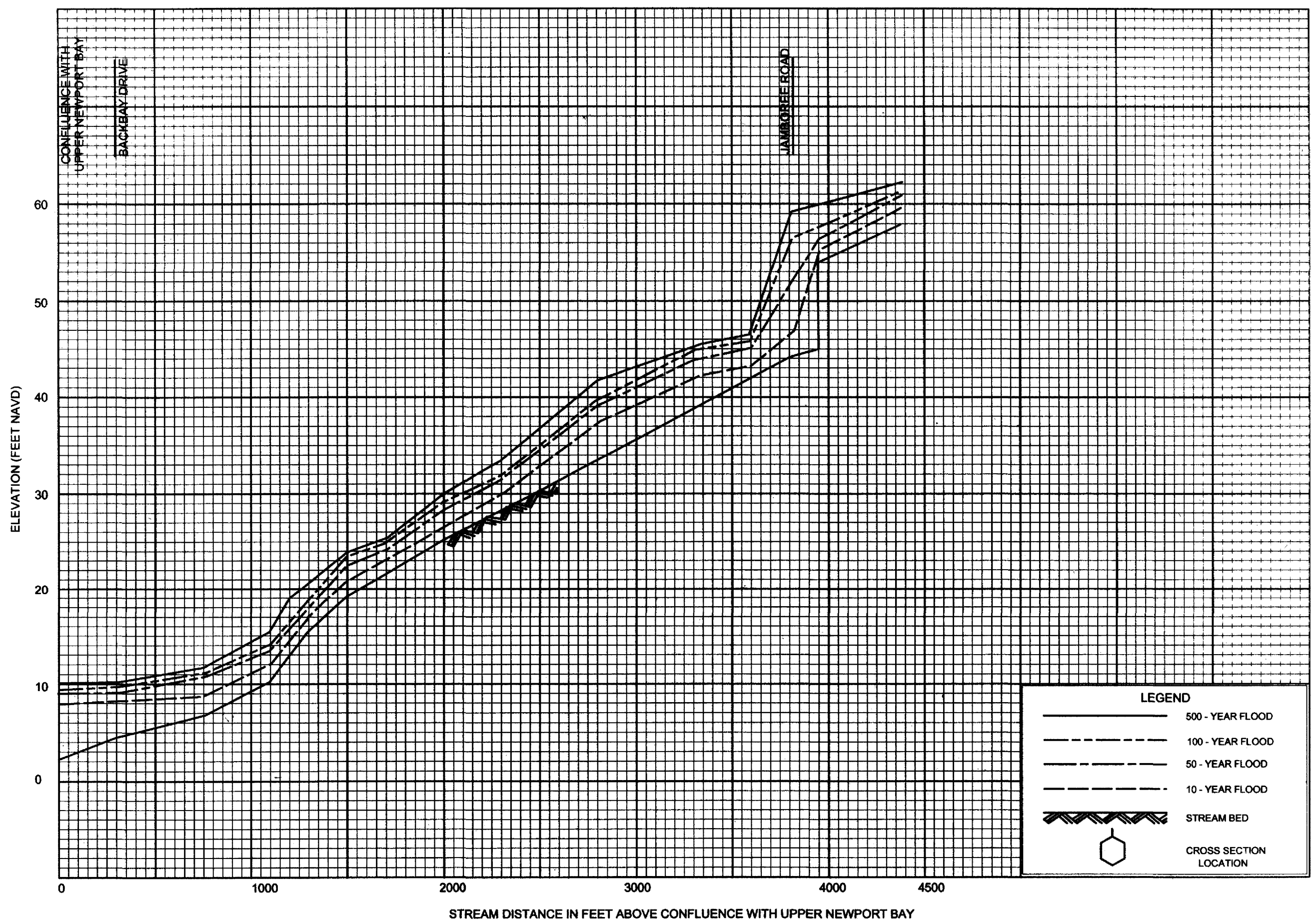


FLOOD PROFILES

ATWOOD CHANNEL

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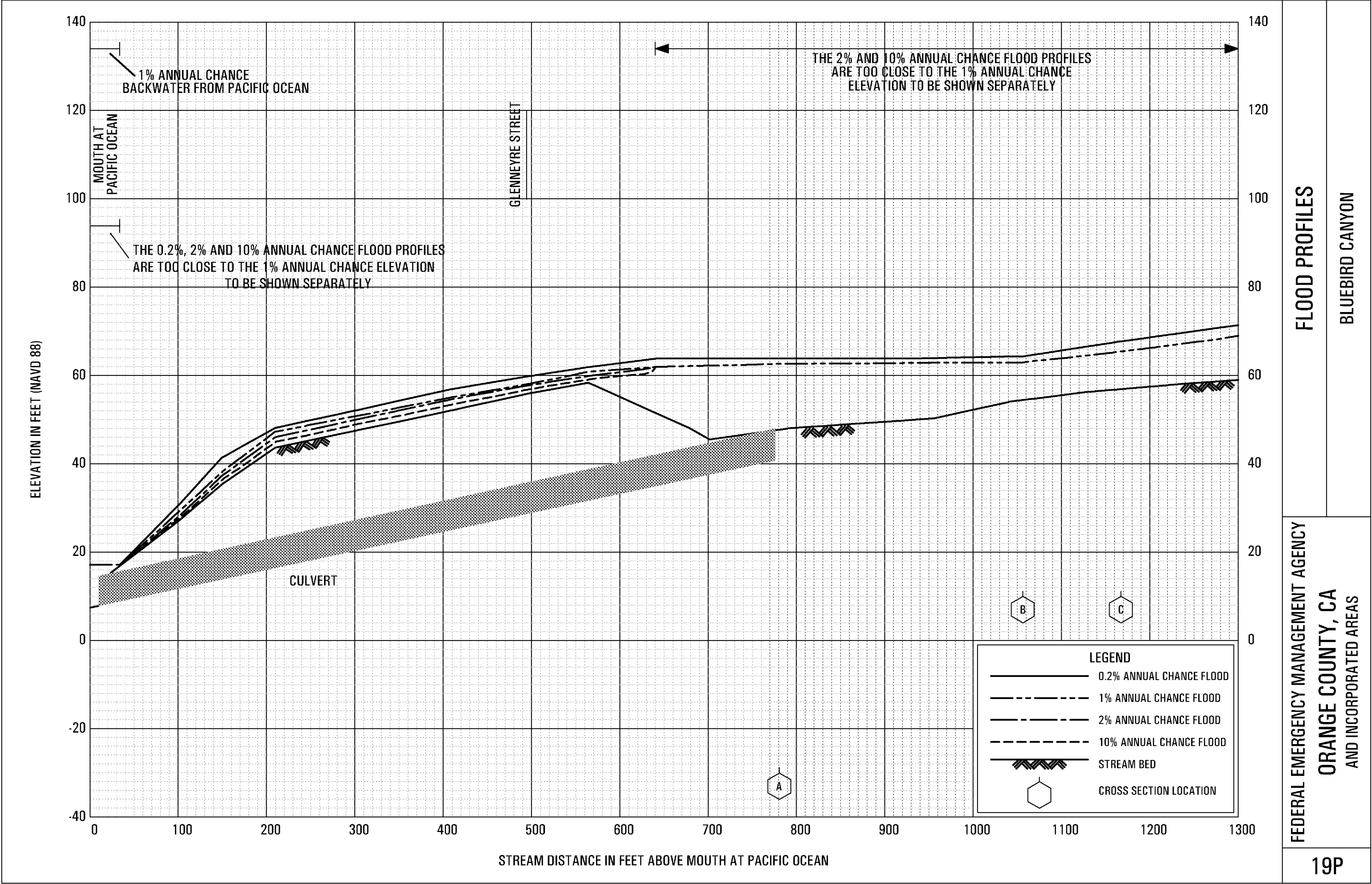
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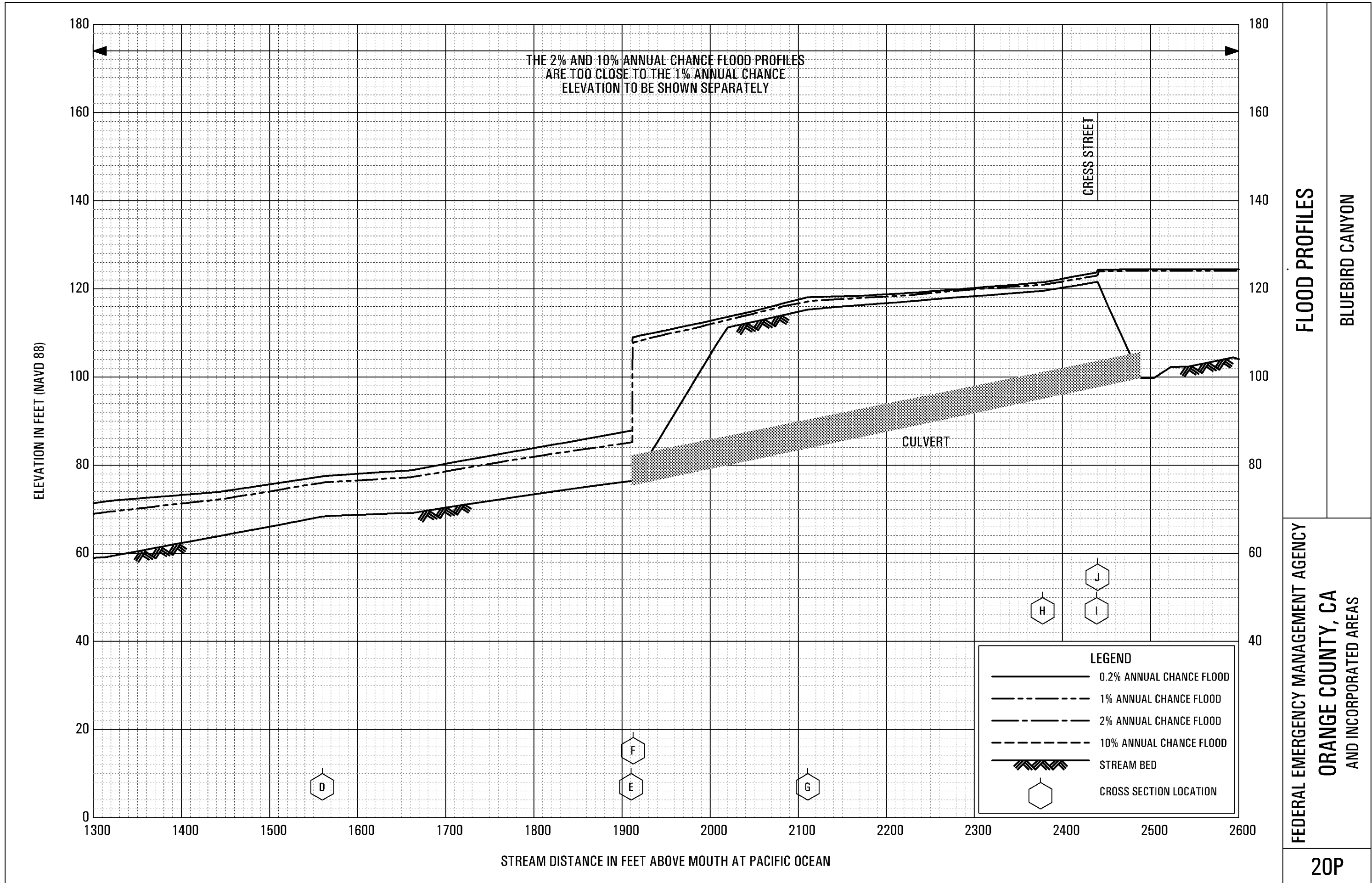
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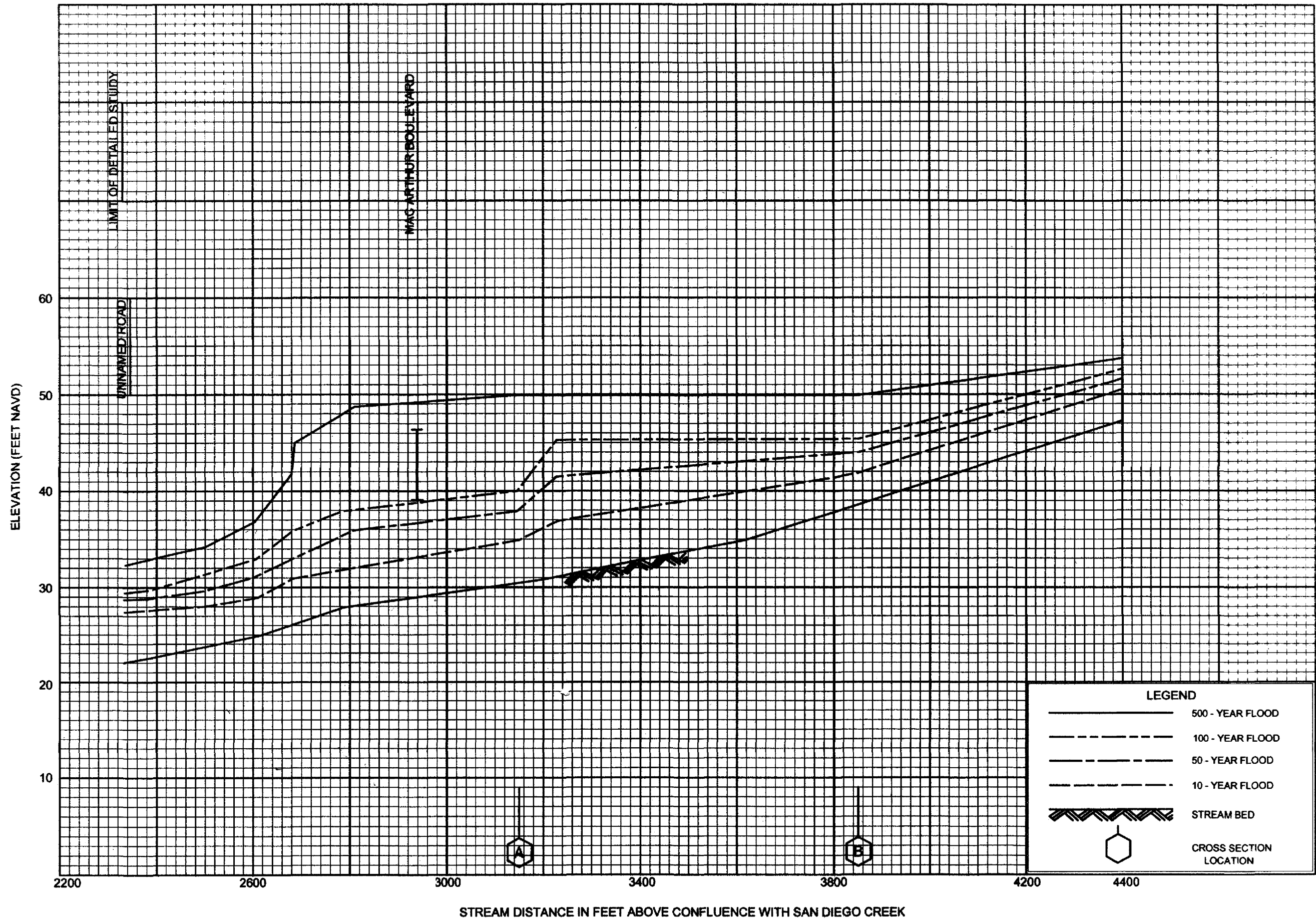
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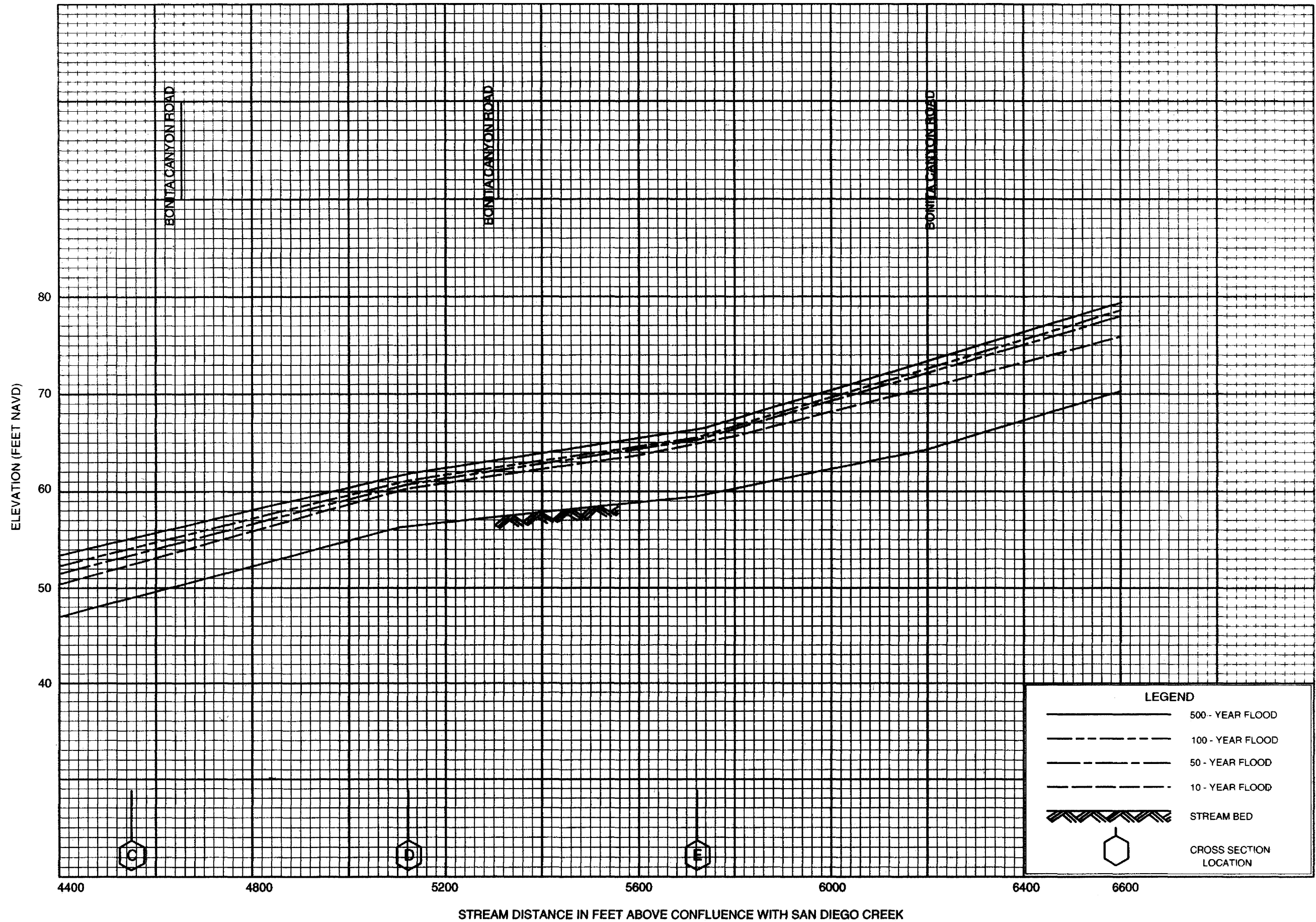


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BONITA CREEK

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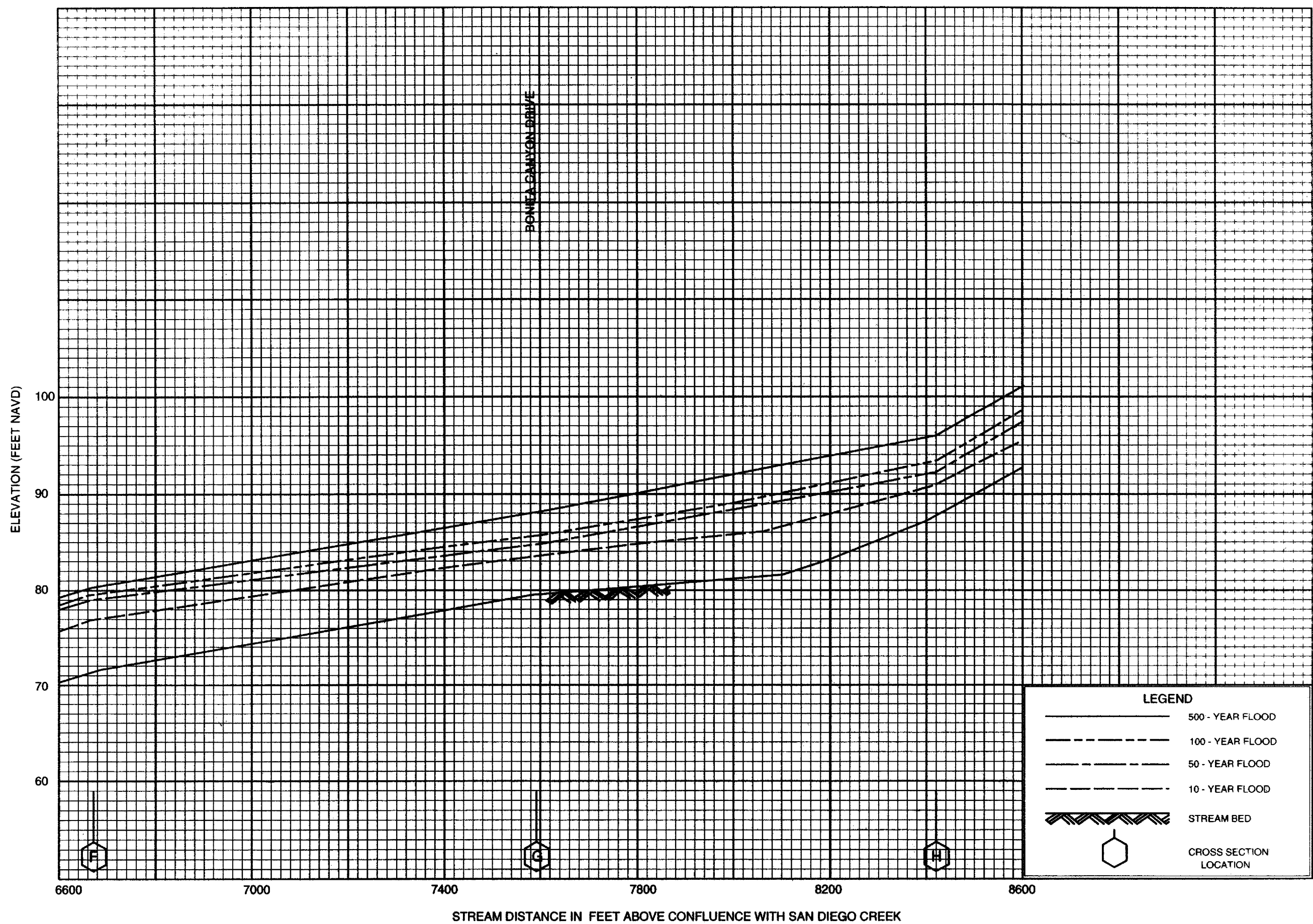


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BONITA CREEK

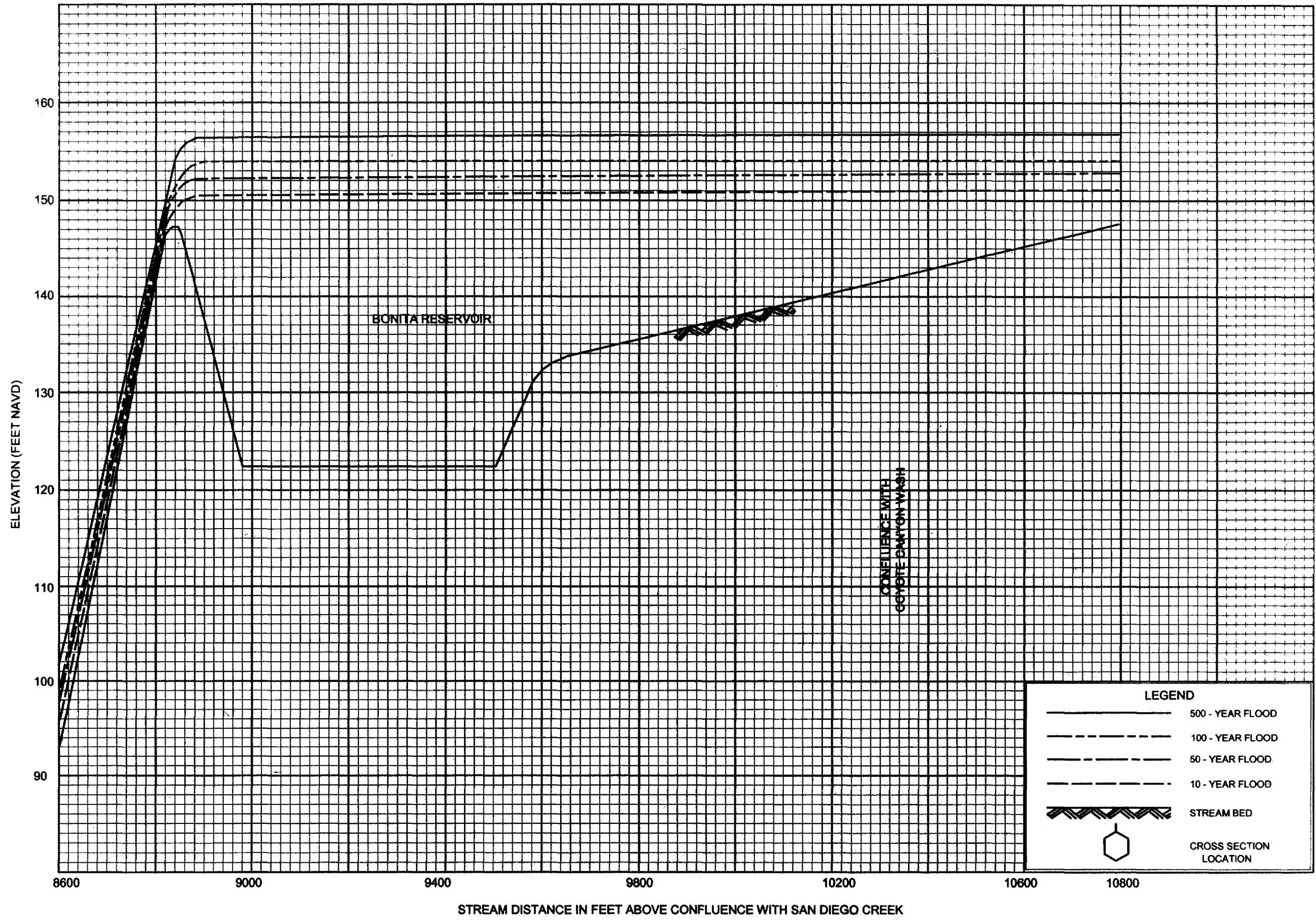
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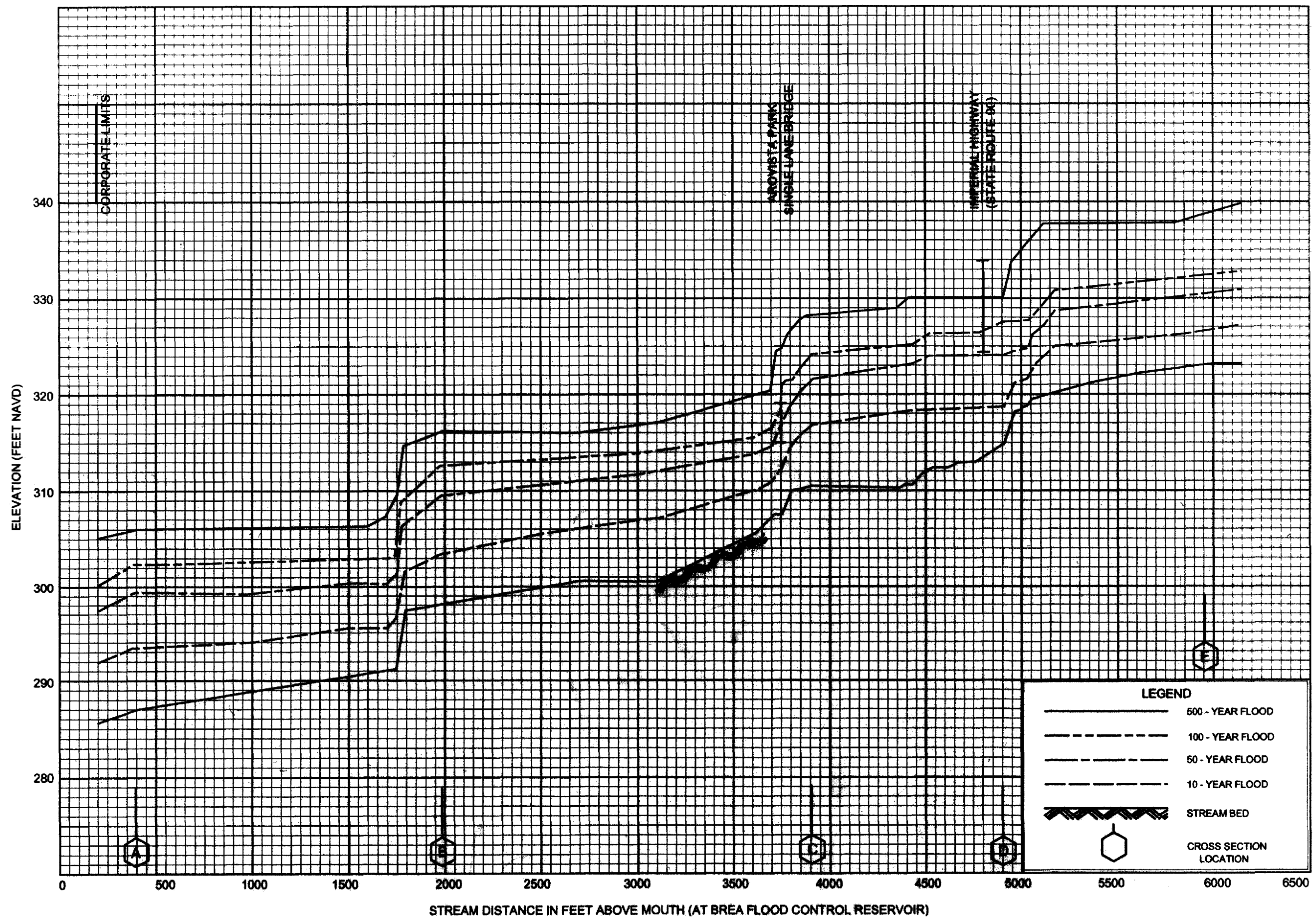
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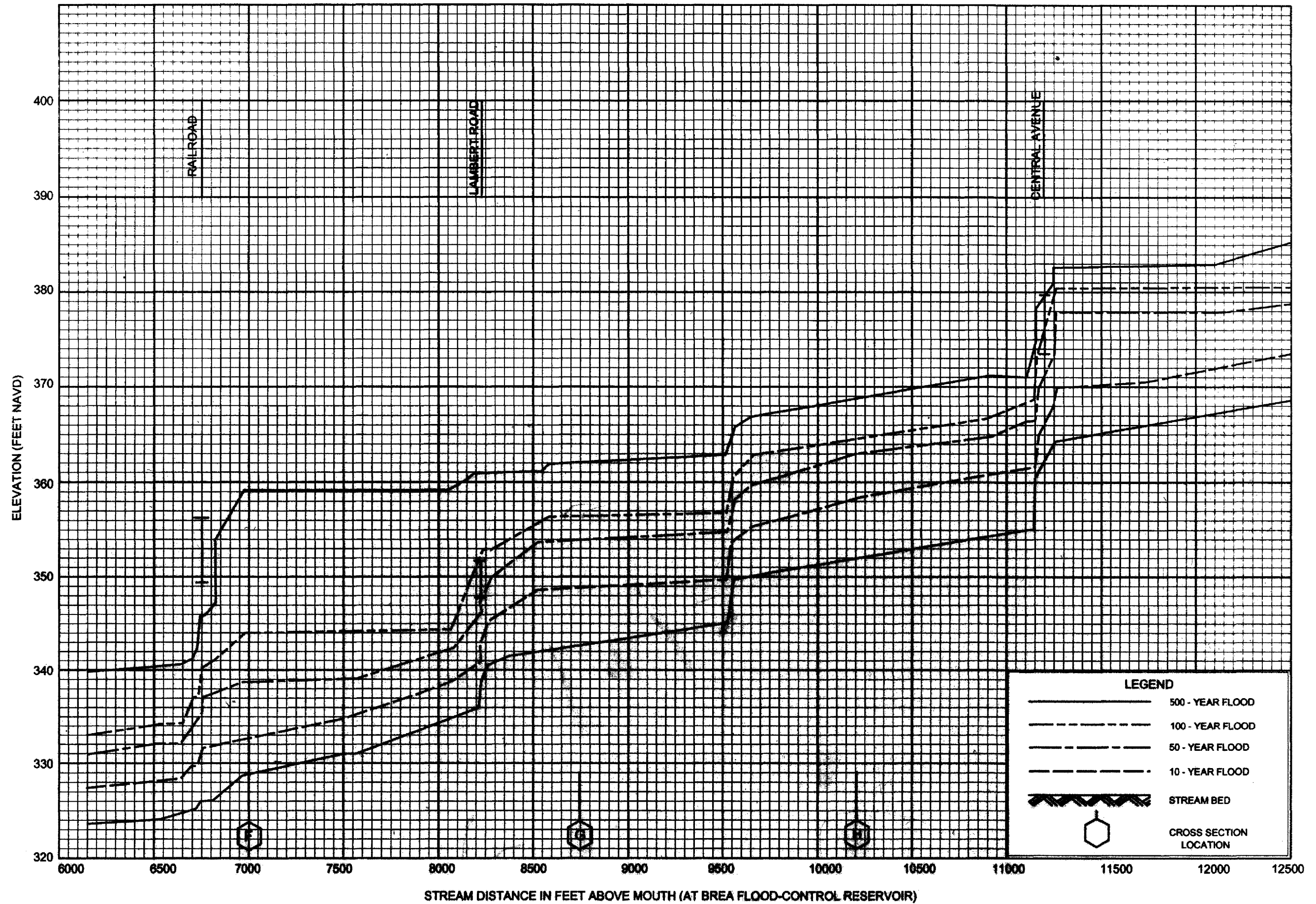


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FLOOD PROFILES

BREA CANYON CHANNEL



FLOOD PROFILES

BREA CANYON CHANNEL

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ORANGE COUNTY, CA
AND INCORPORATED AREAS

ELEVATION (FEET NAVD)

390

380

370

360

350

12500

13000

CORPORATE LIMITS
LIMIT OF DETAILED STUDY

STREAM DISTANCE IN FEET ABOVE MOUTH (AT BREA FLOOD-CONTROL RESERVOIR)

LEGEND

- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

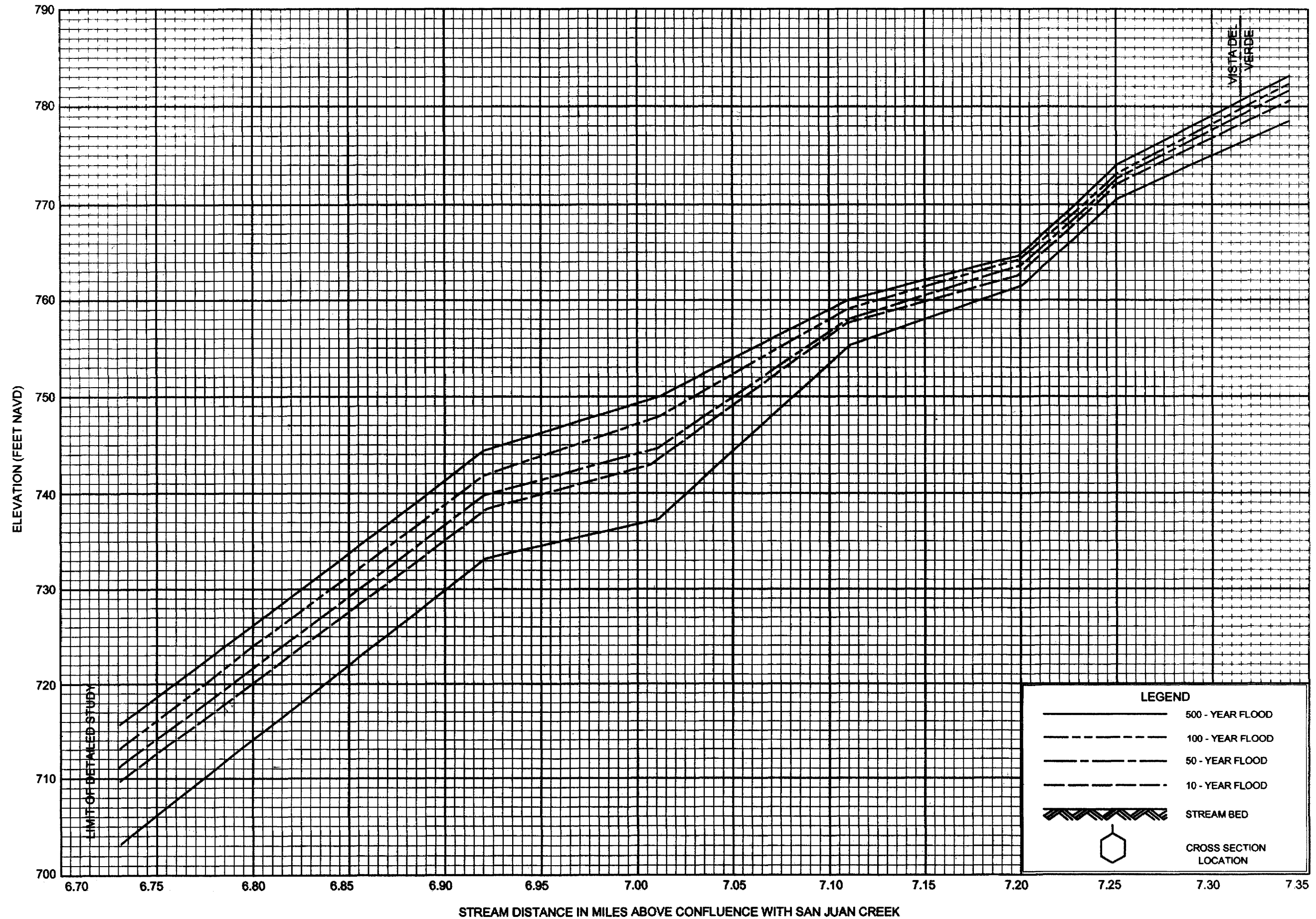
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BREA CANYON CHANNEL

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29P



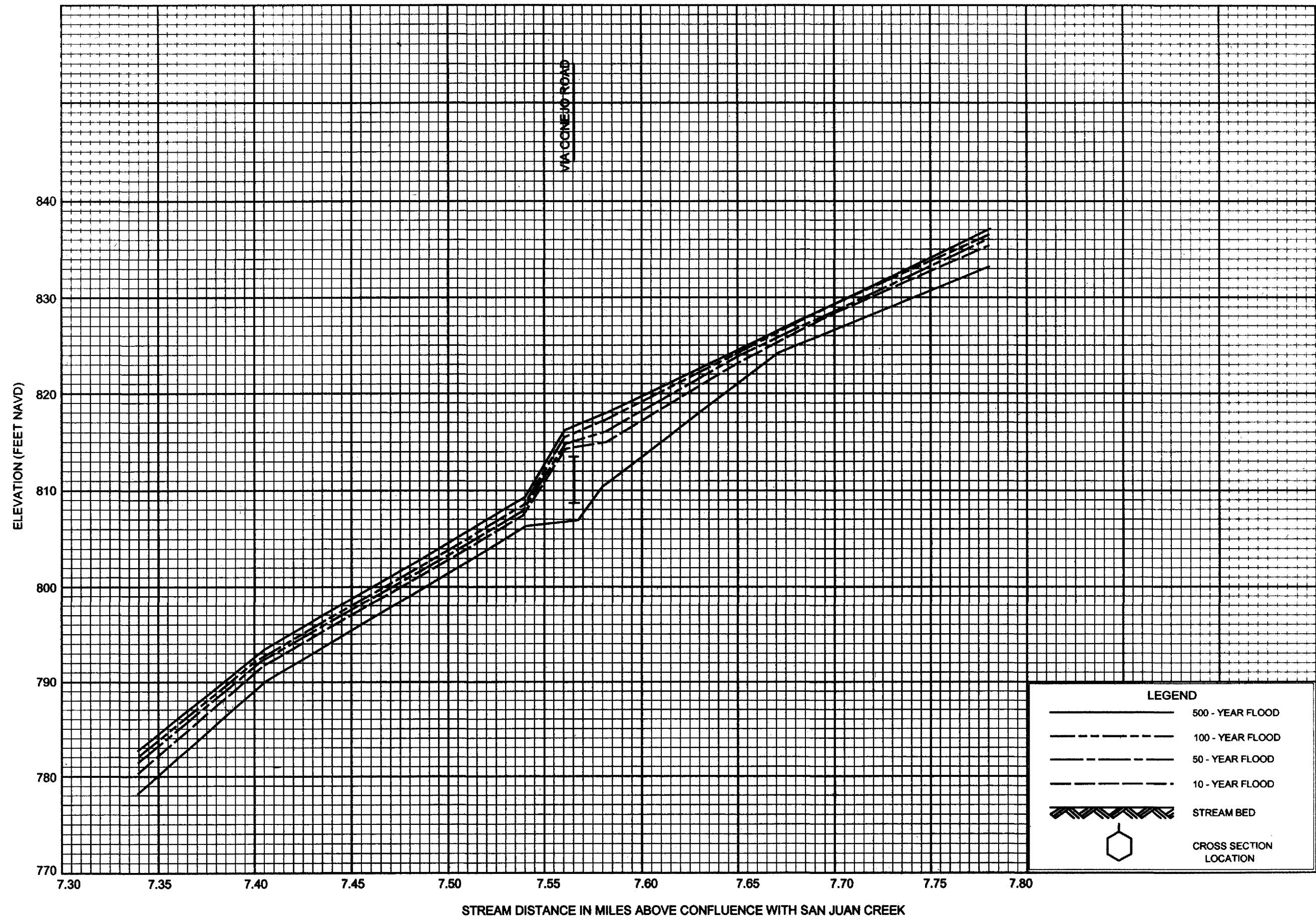
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CANADA GOBERNADORA

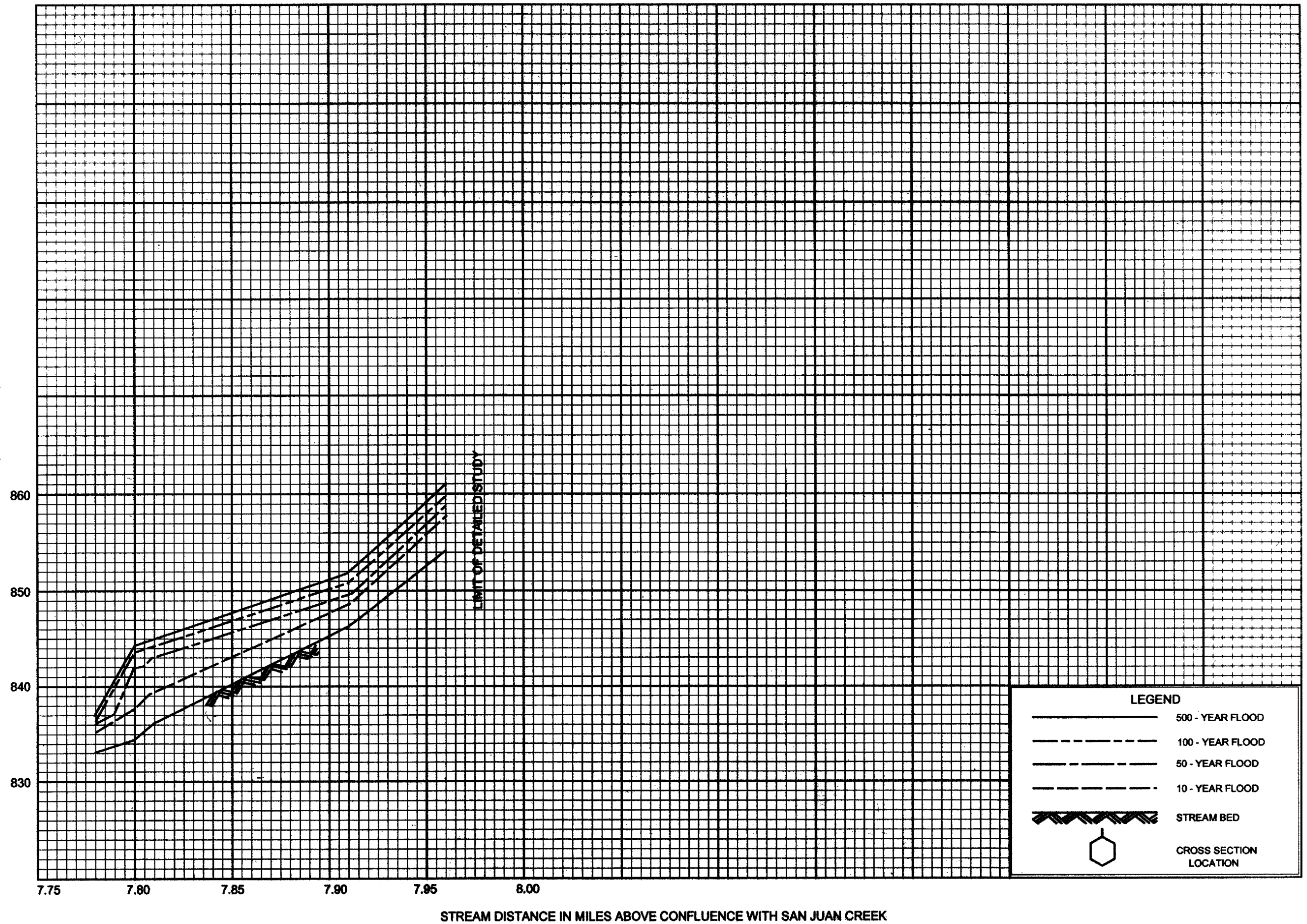
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AND INCORPORATED AREAS

30P



ELEVATION (FEET NAVD)



STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH SAN JUAN CREEK

LEGEND

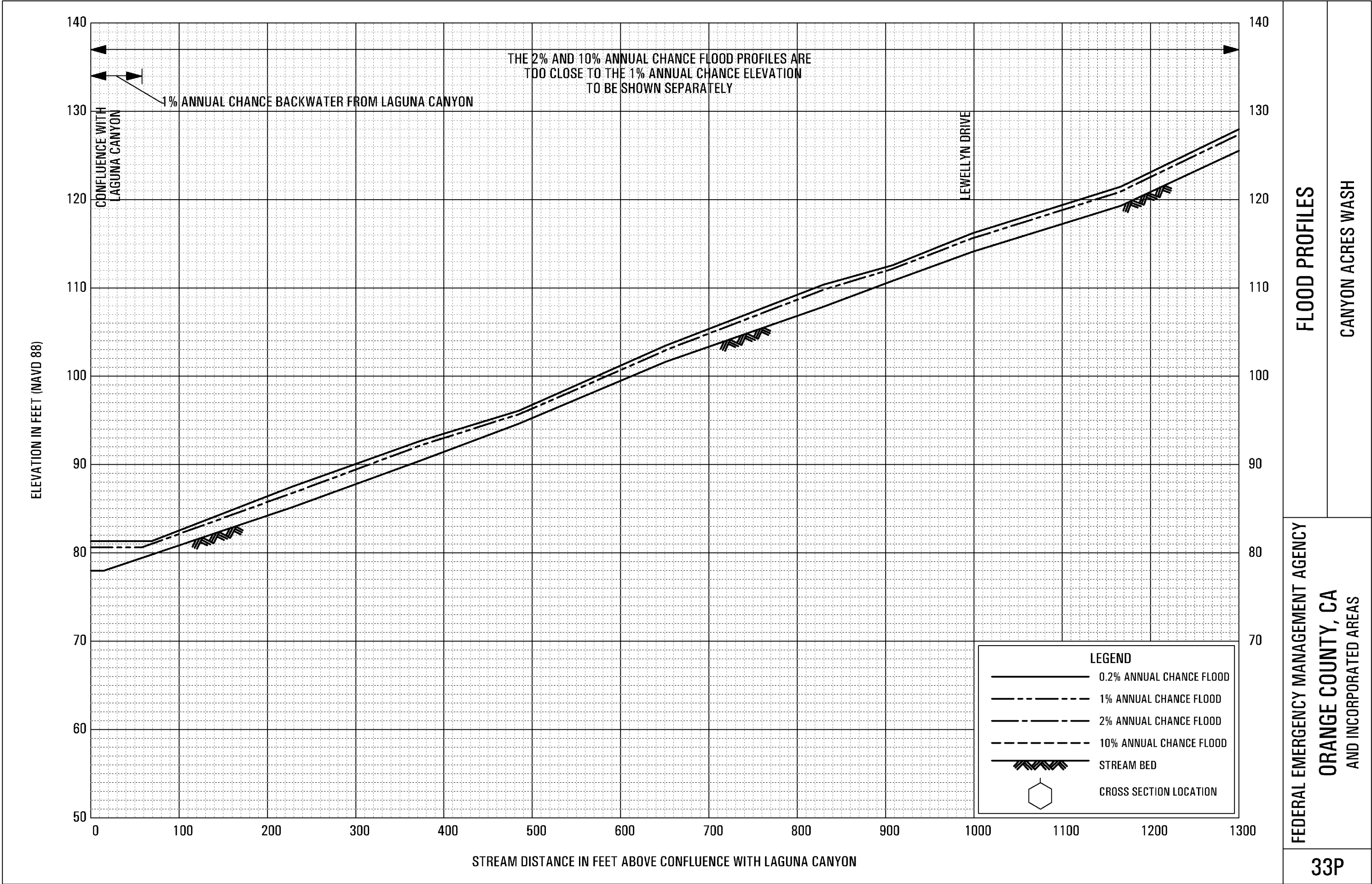
- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

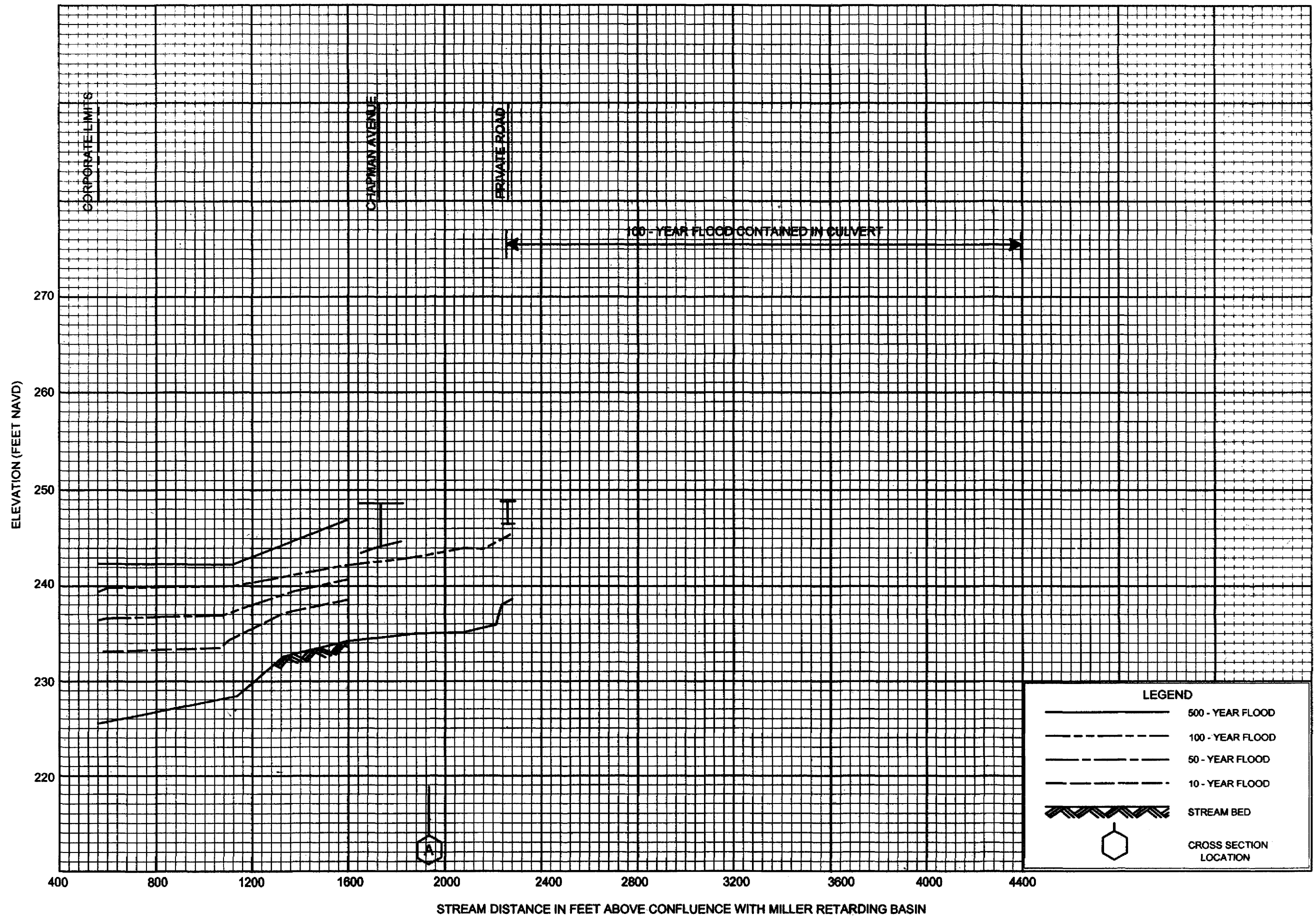
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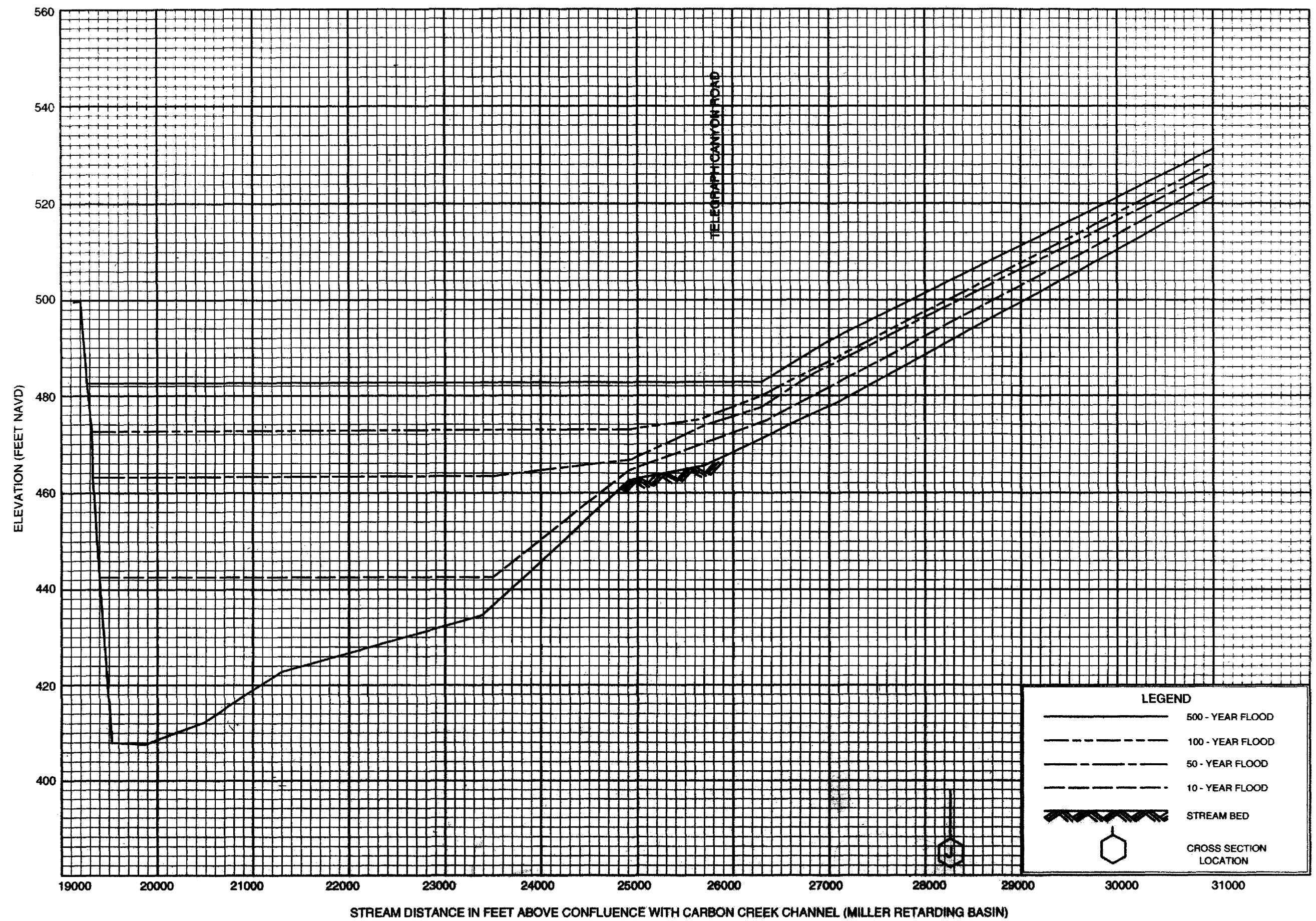


FLOOD PROFILES

CARBON CANYON CHANNEL

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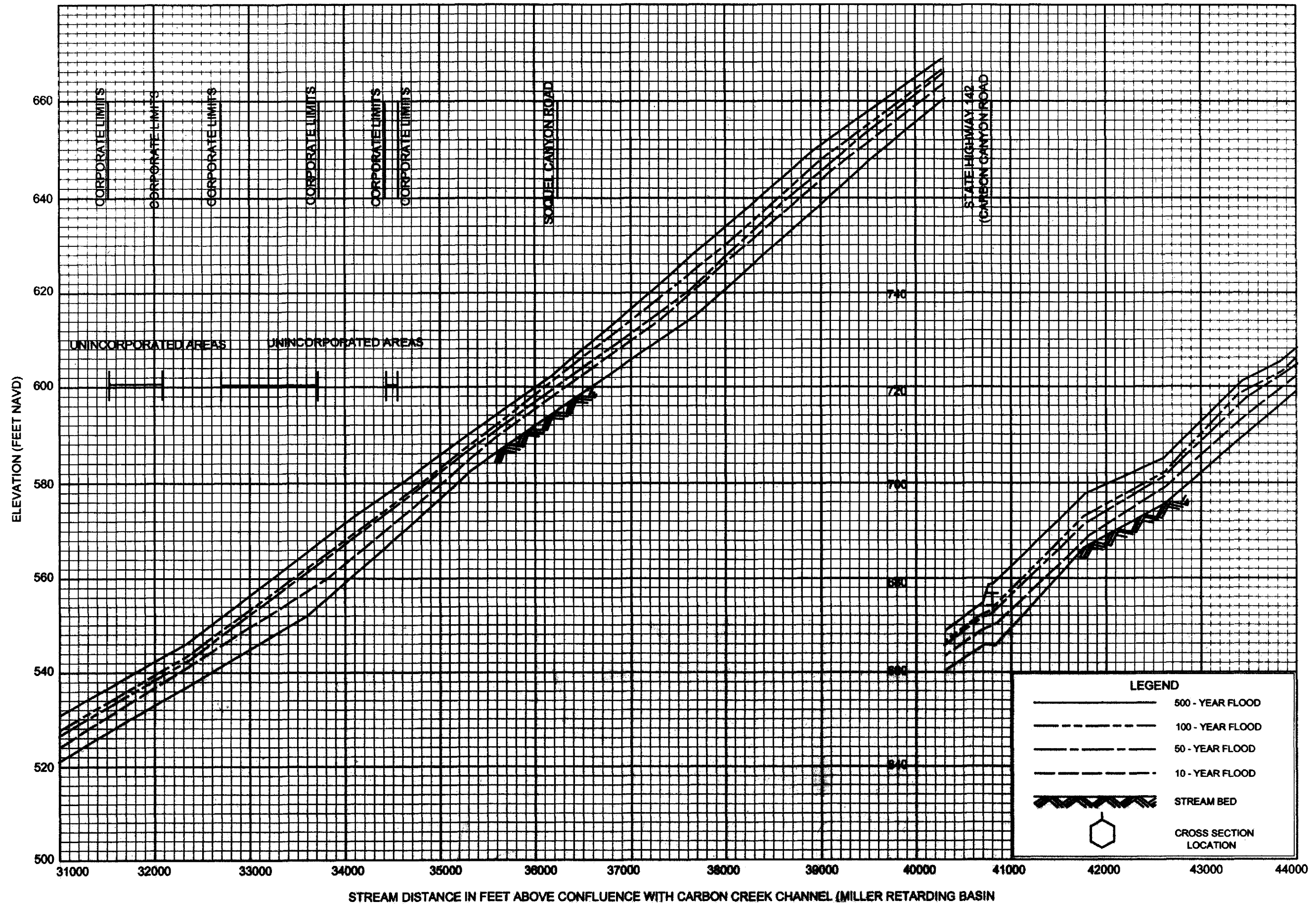


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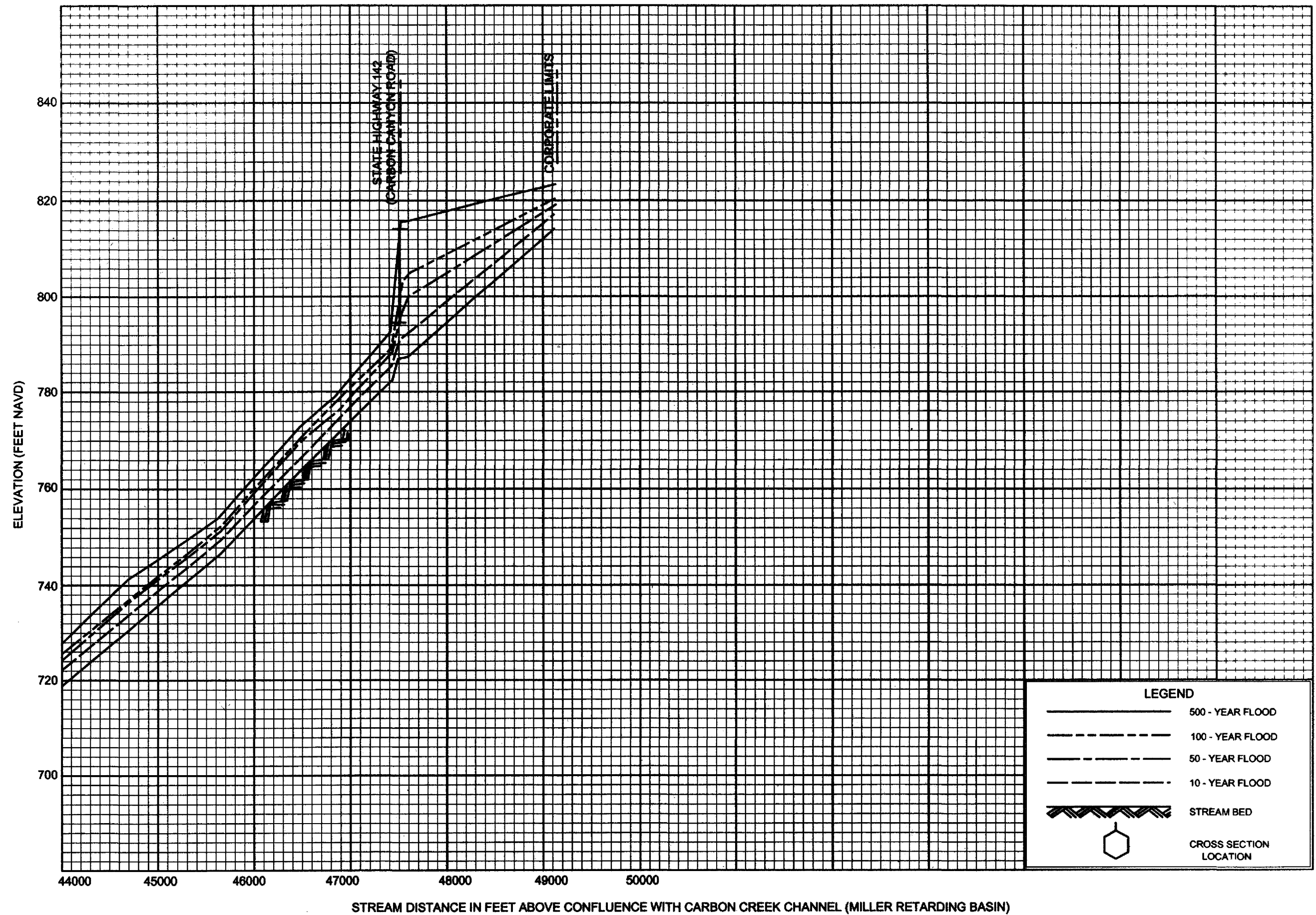


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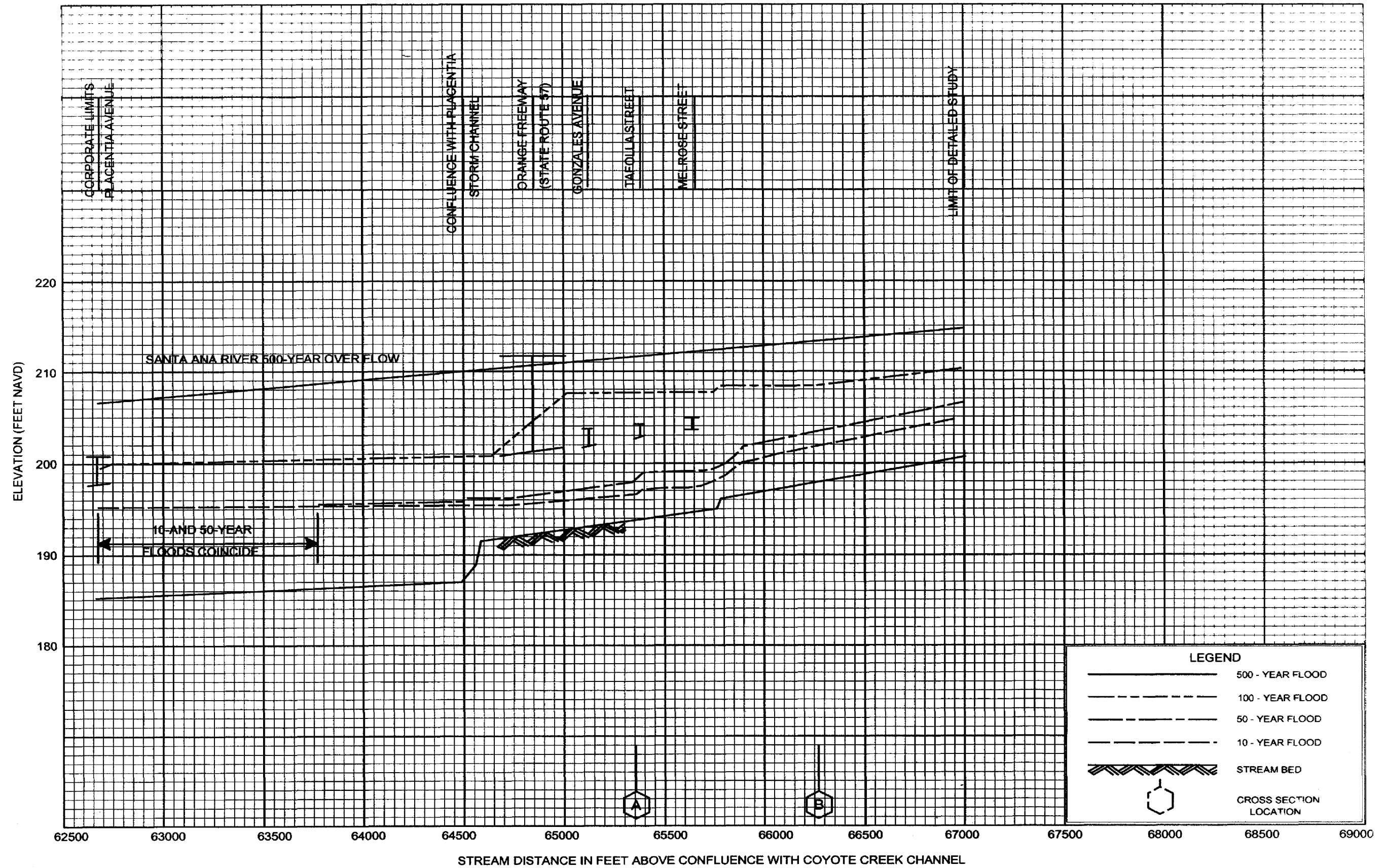
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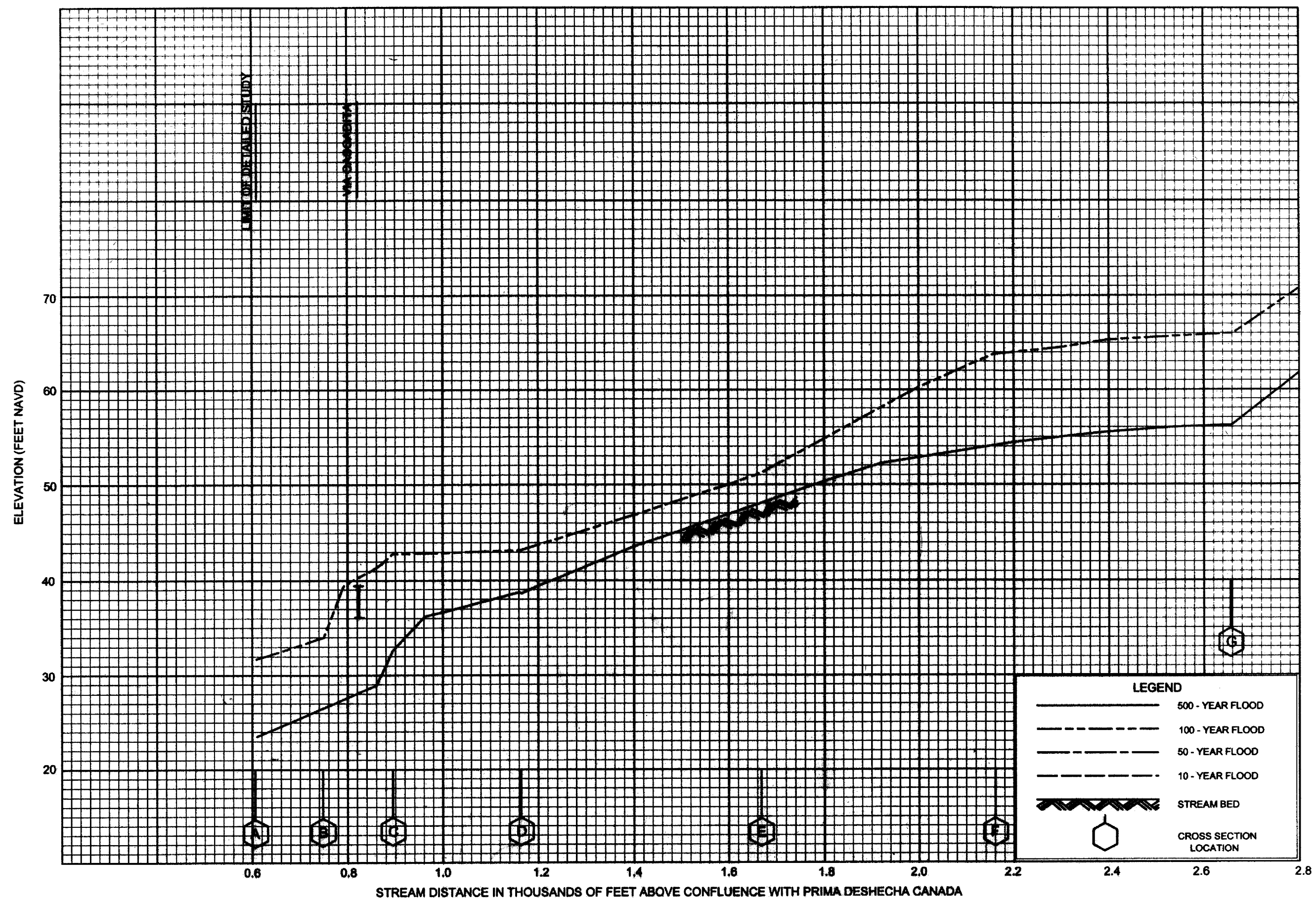
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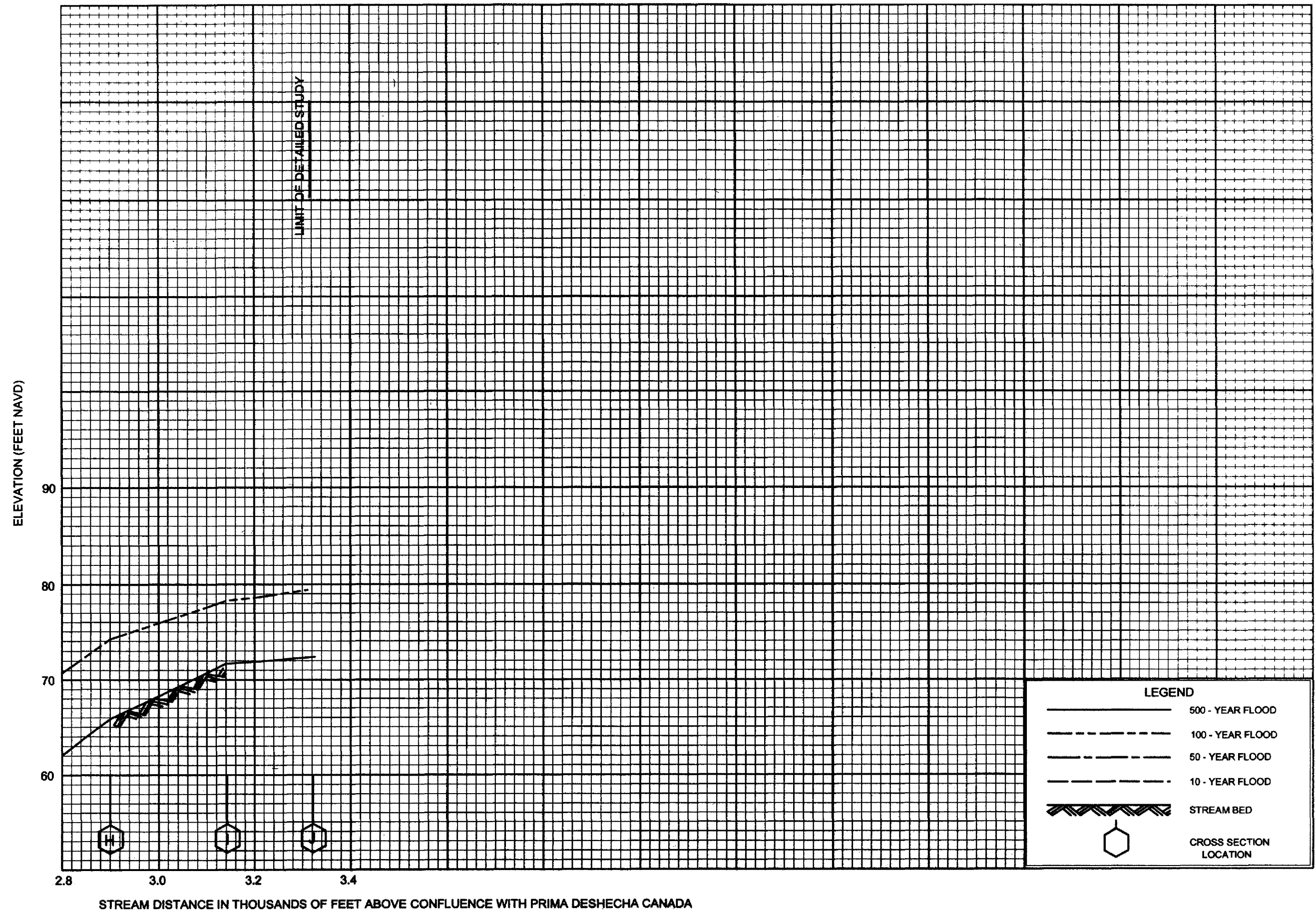
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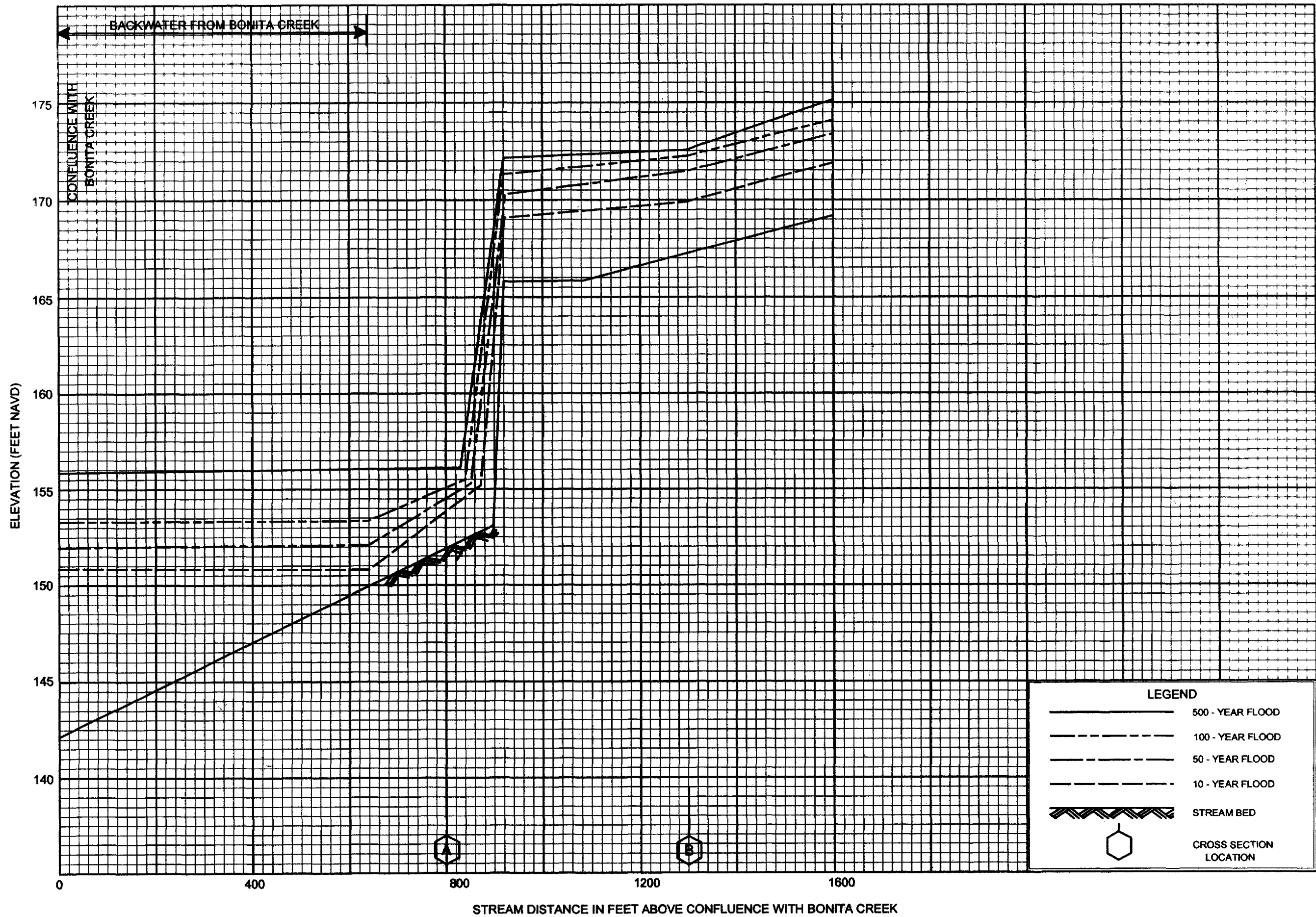
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AND INCORPORATED AREAS

38P









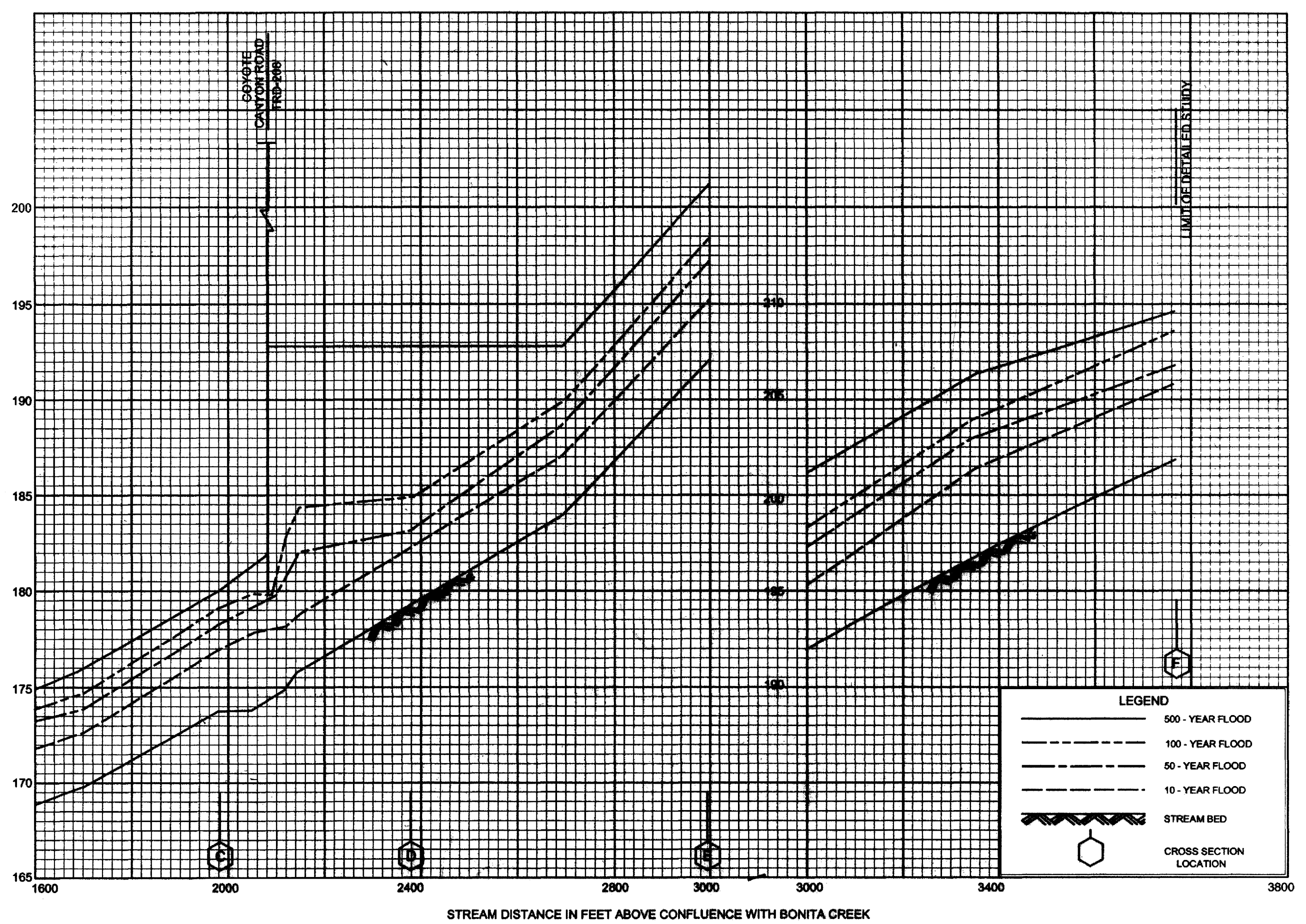
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COYOTE CANYON WASH

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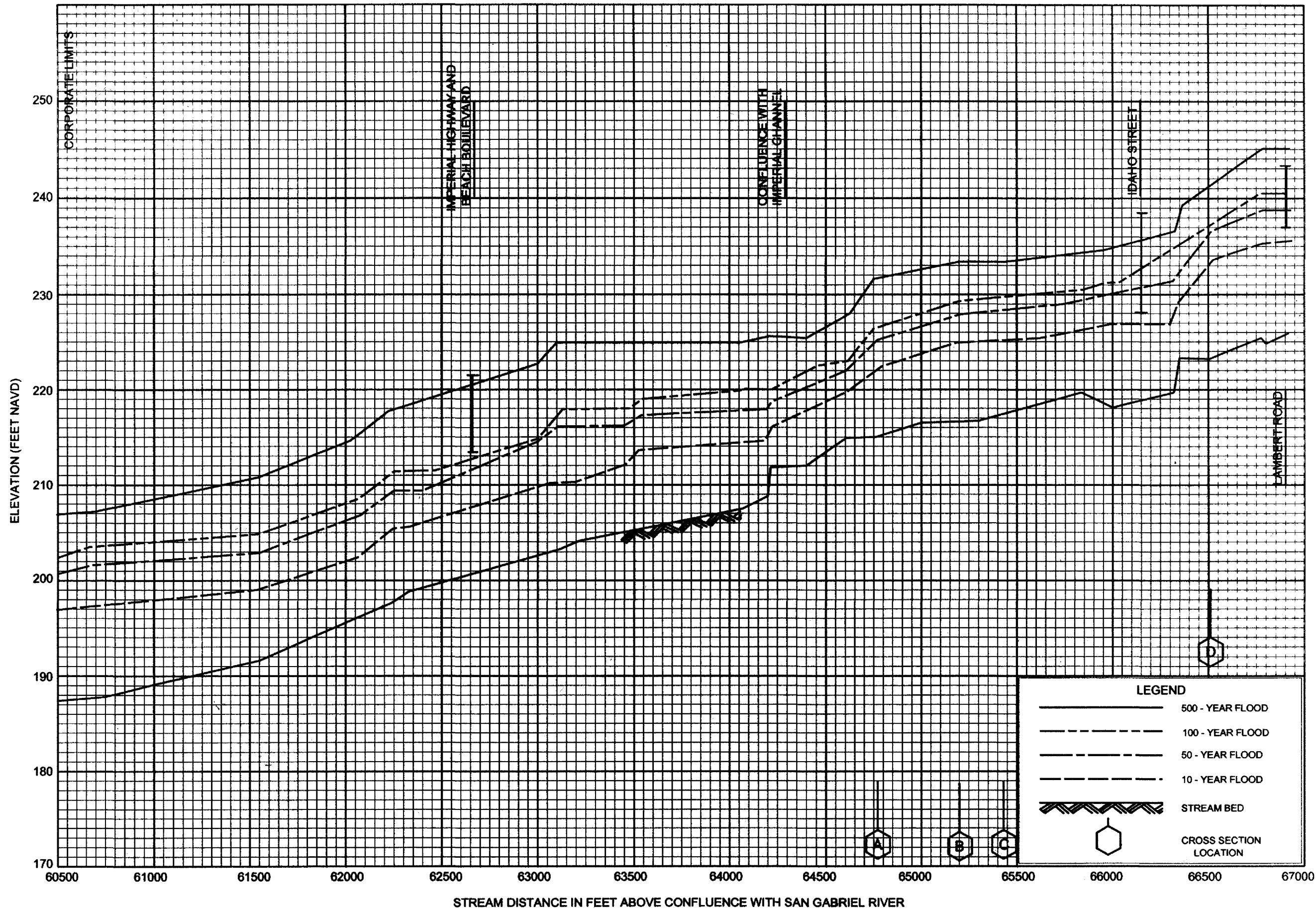


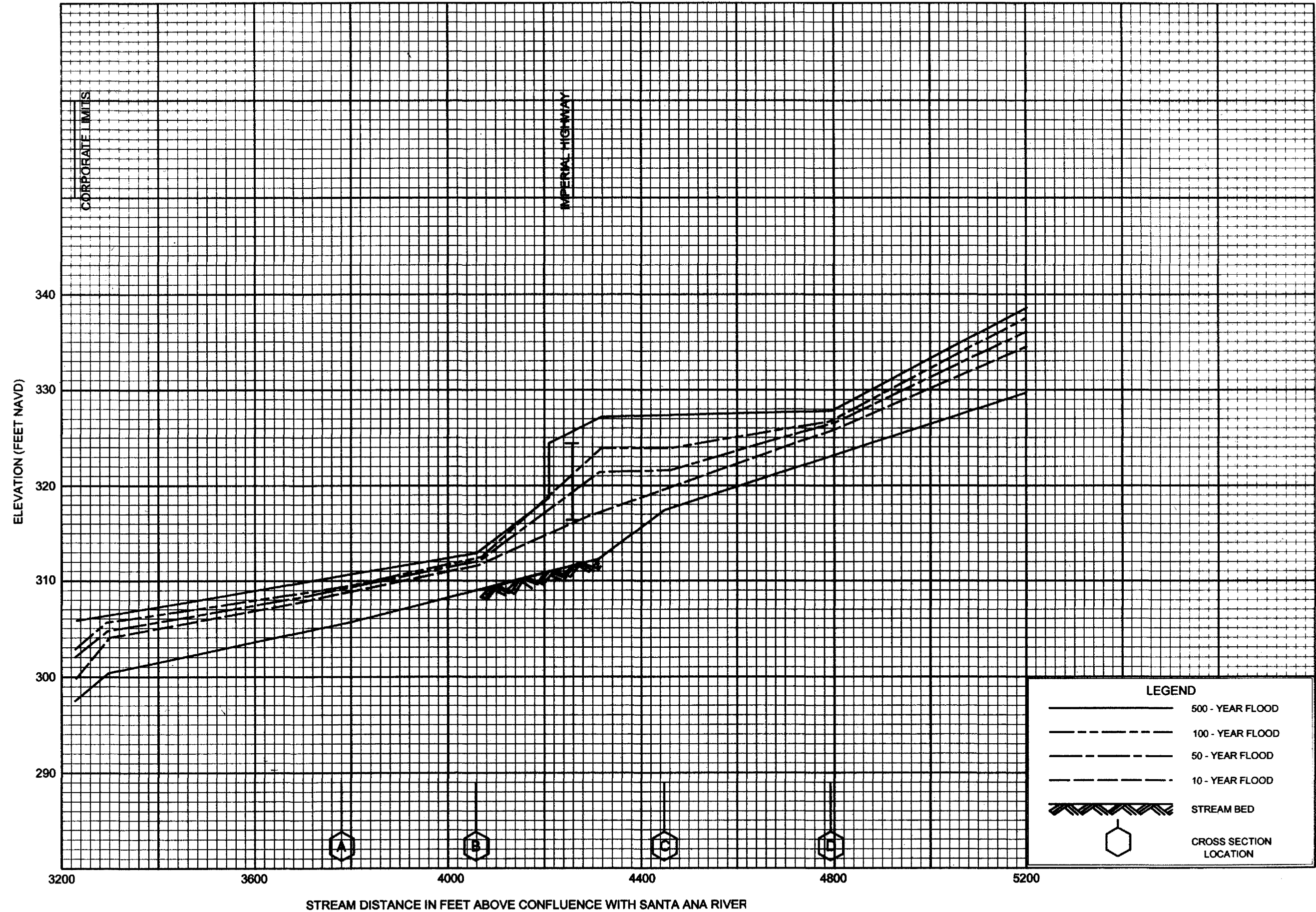
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COYOTE CANYON WASH

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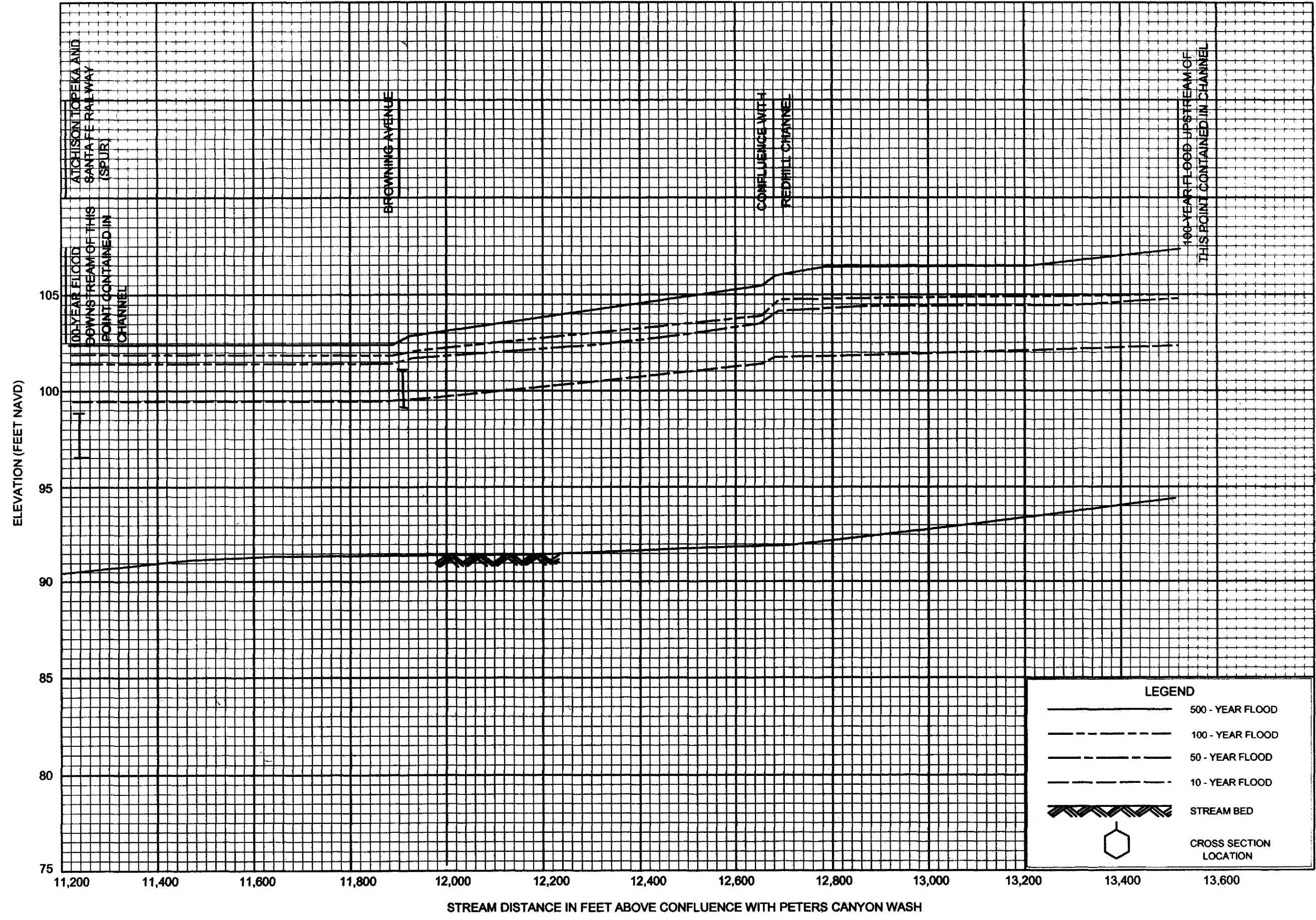
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EAST RICHFIELD CHANNEL

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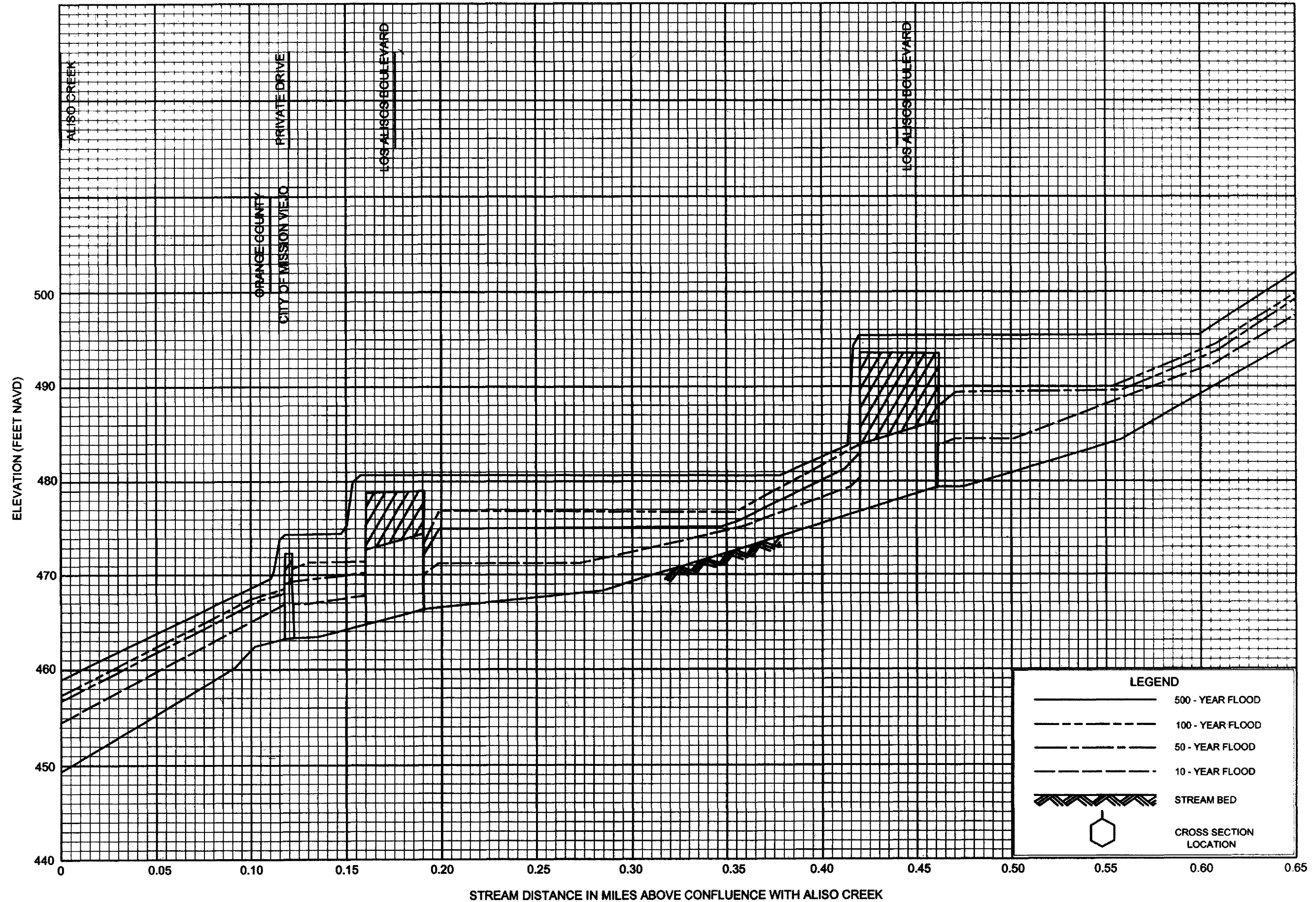


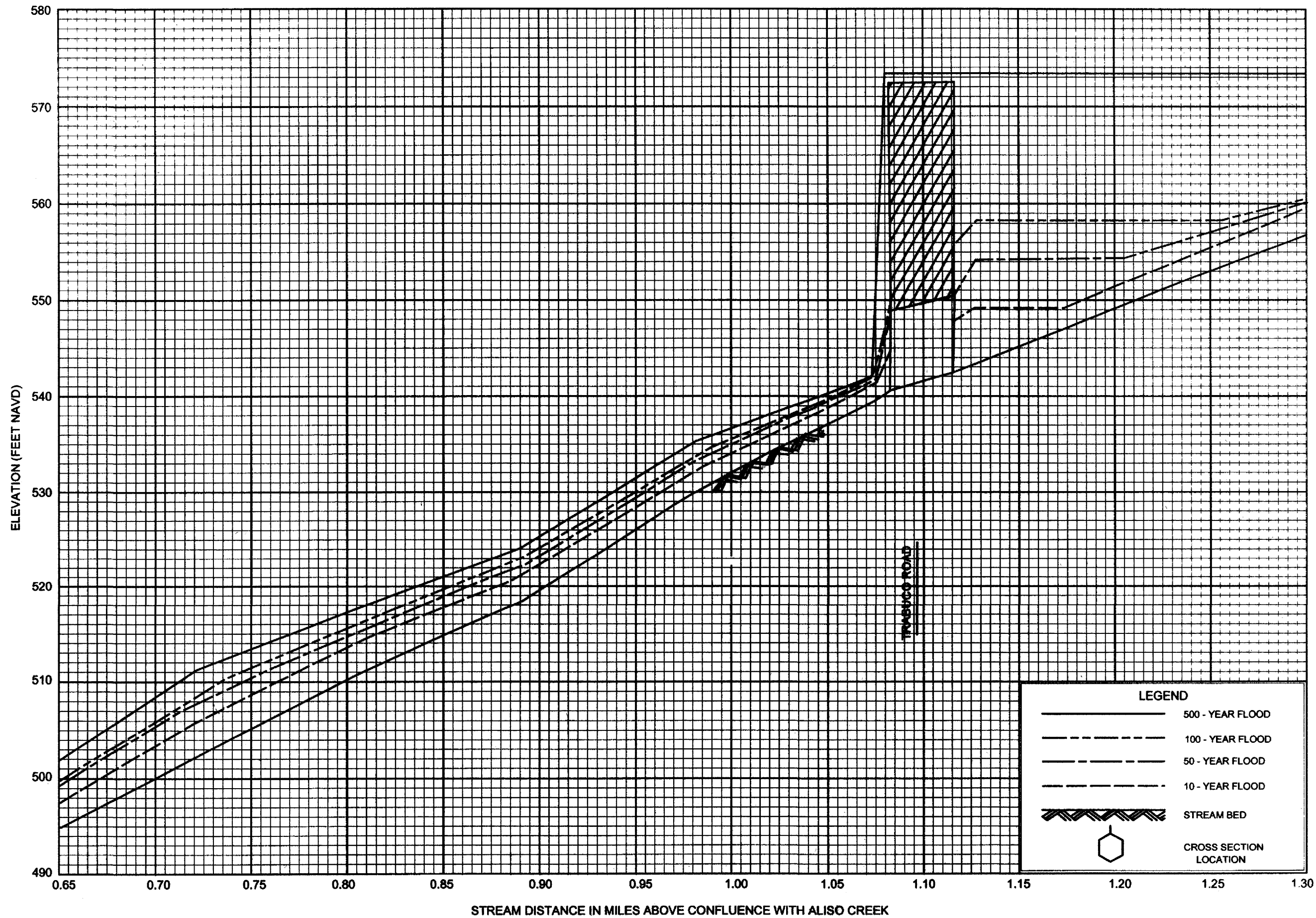
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AND INCORPORATED AREAS

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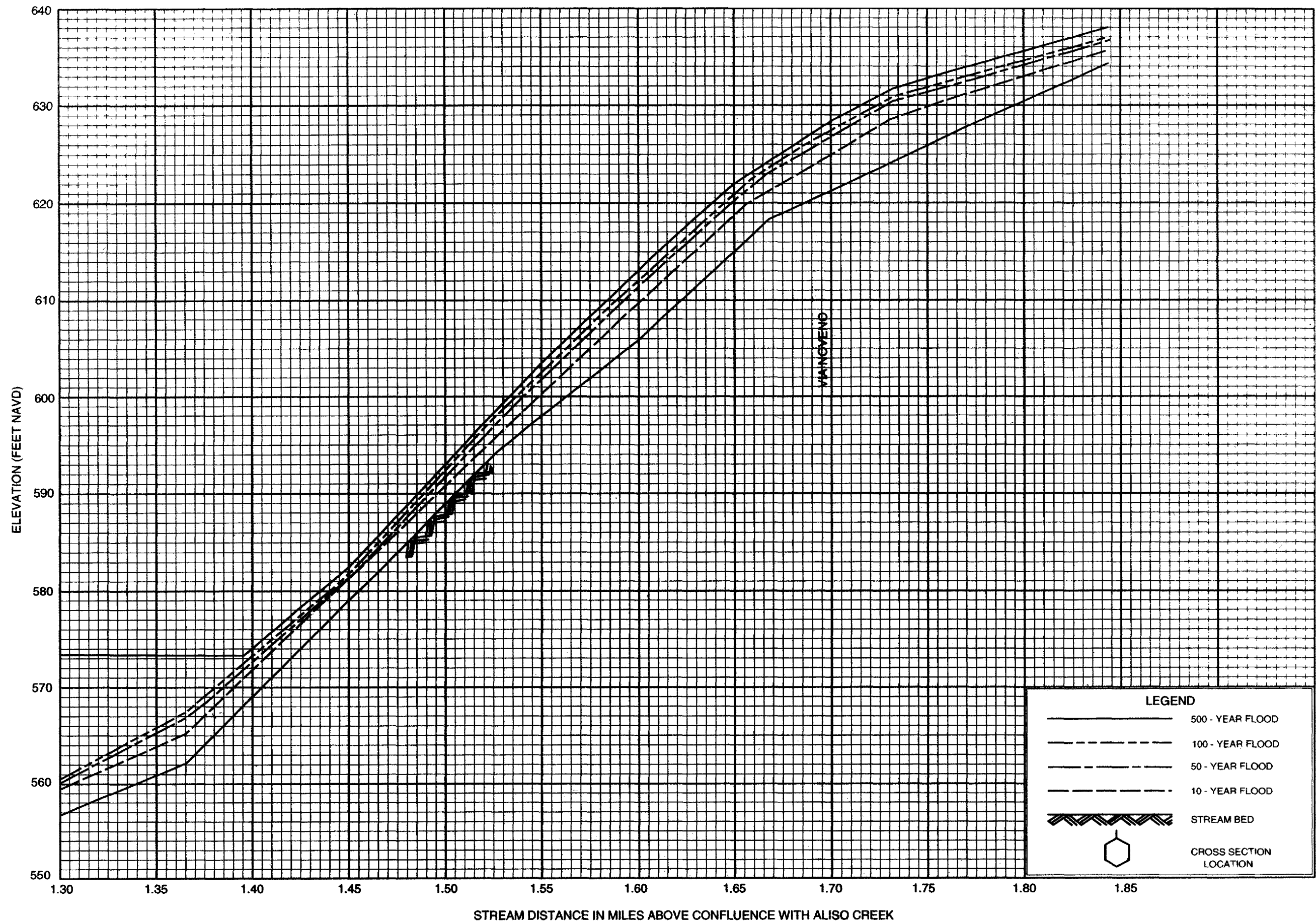
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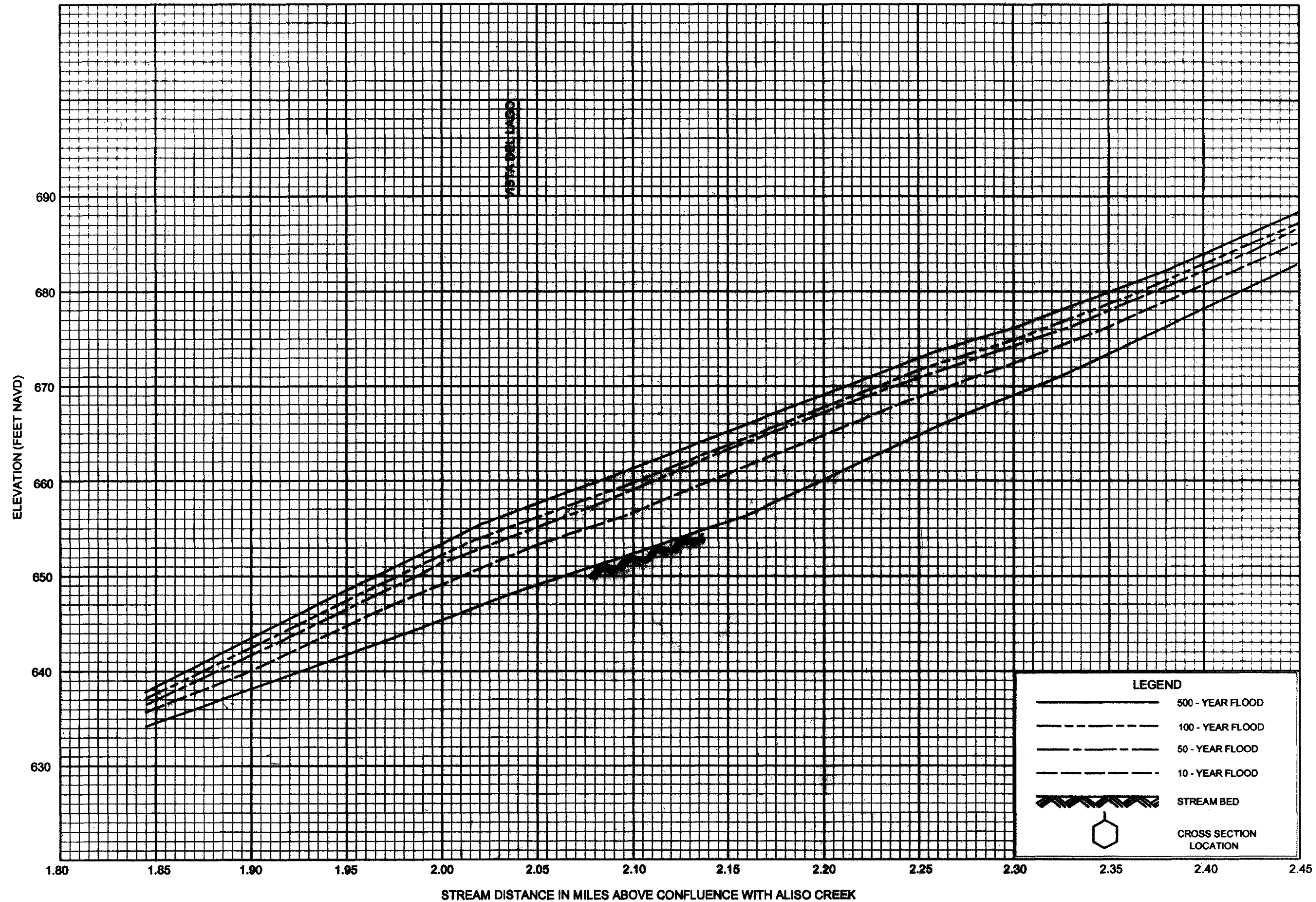
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ENGLISH CANYON

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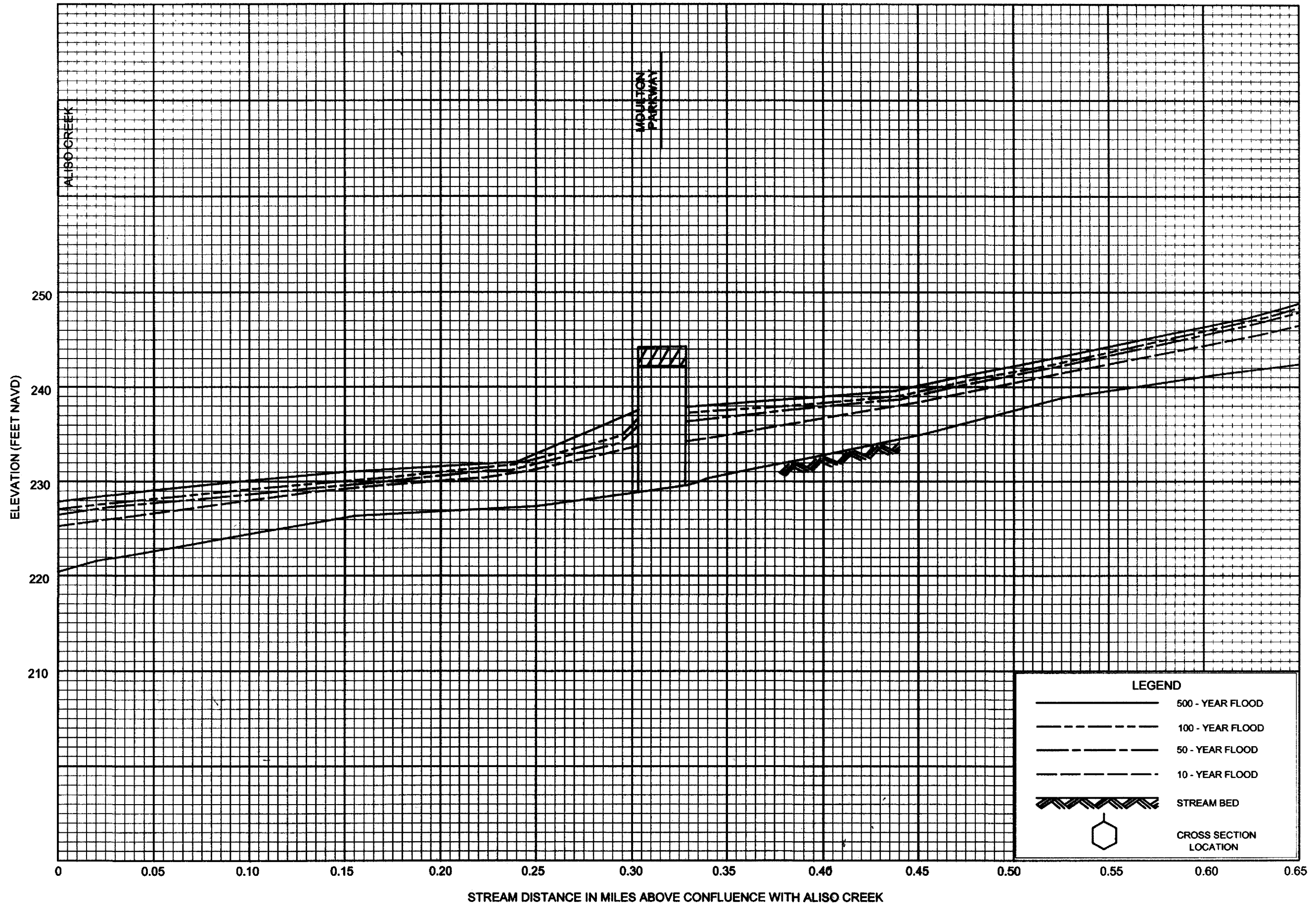


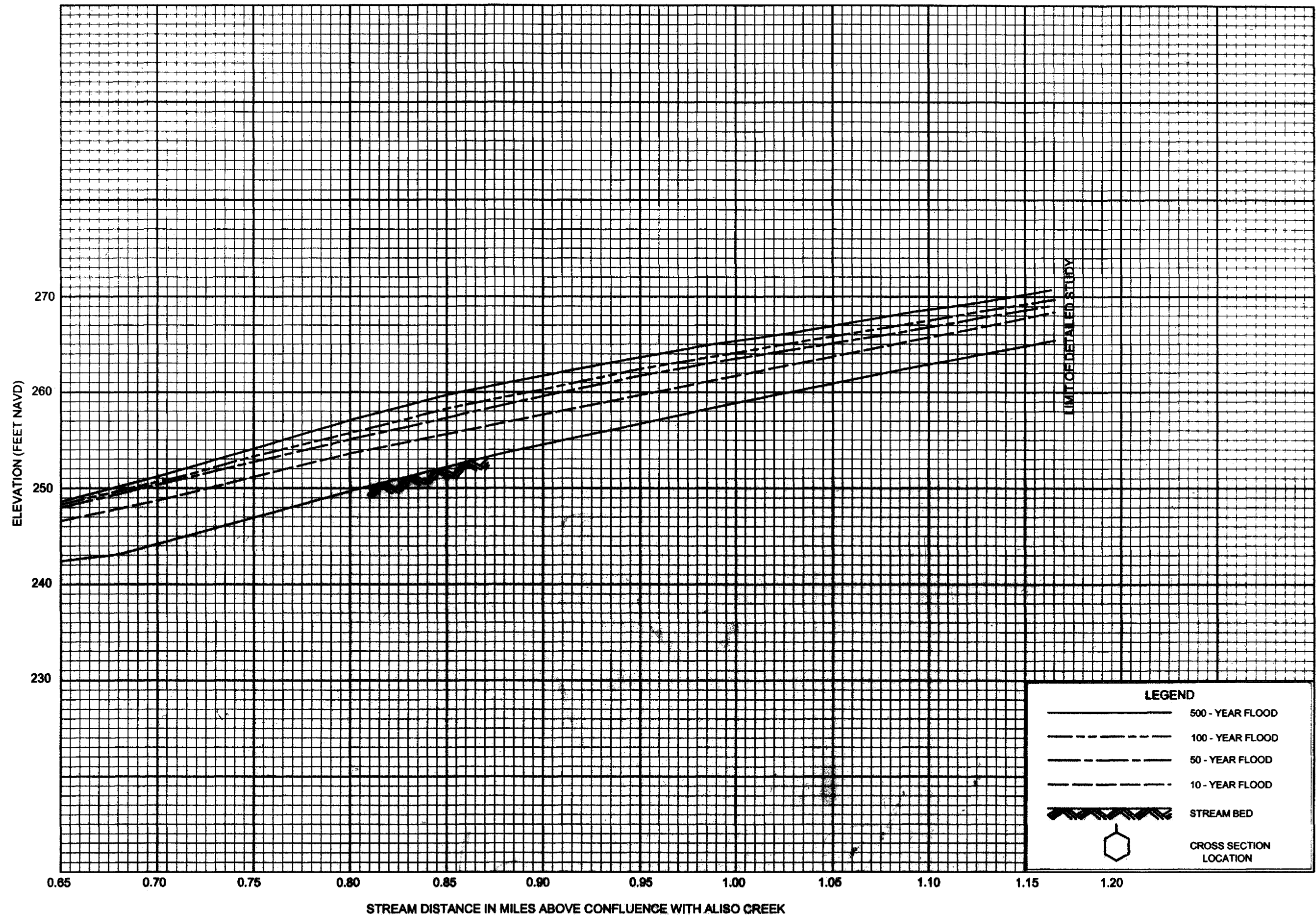
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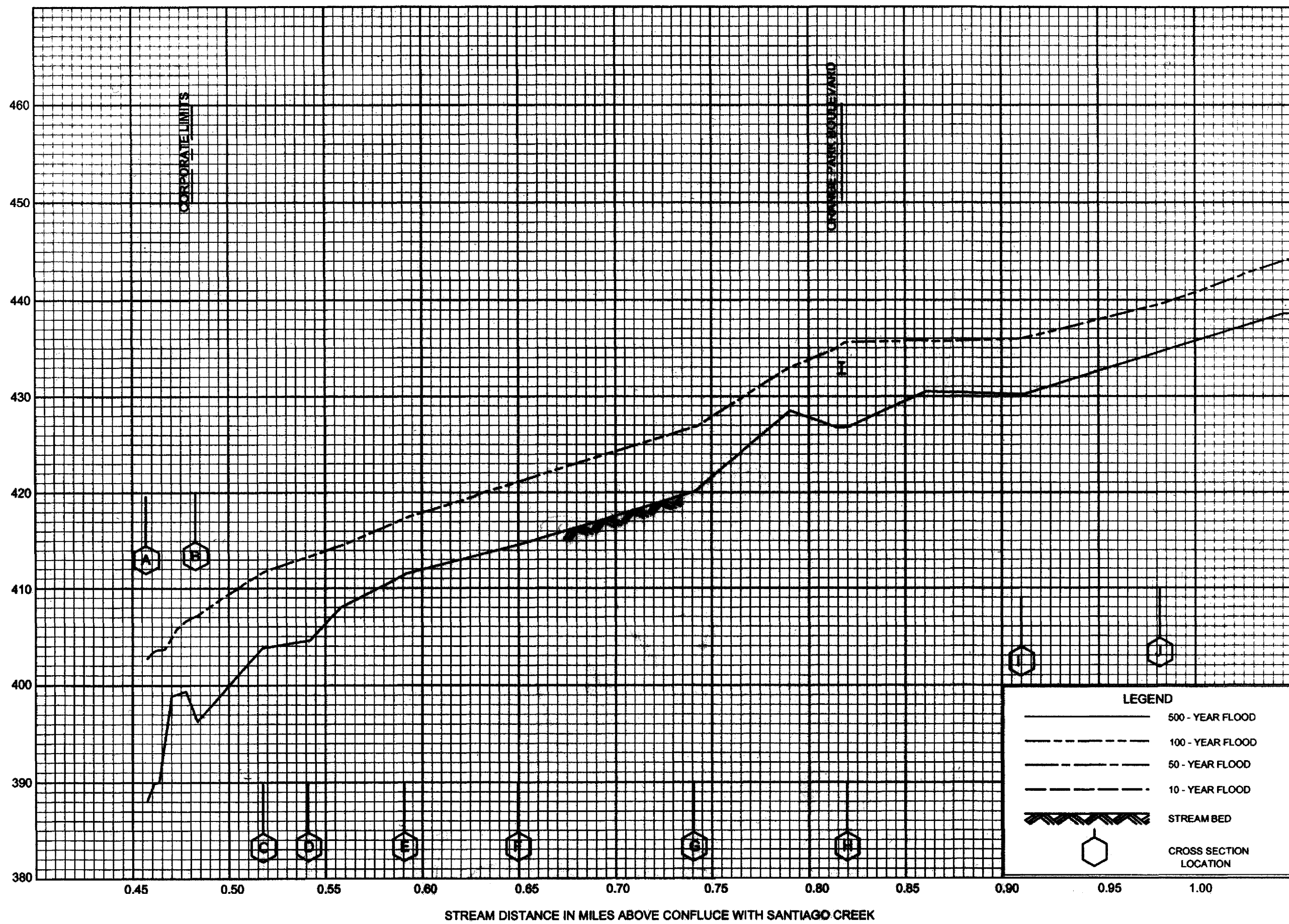




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FACILITY NO. J05

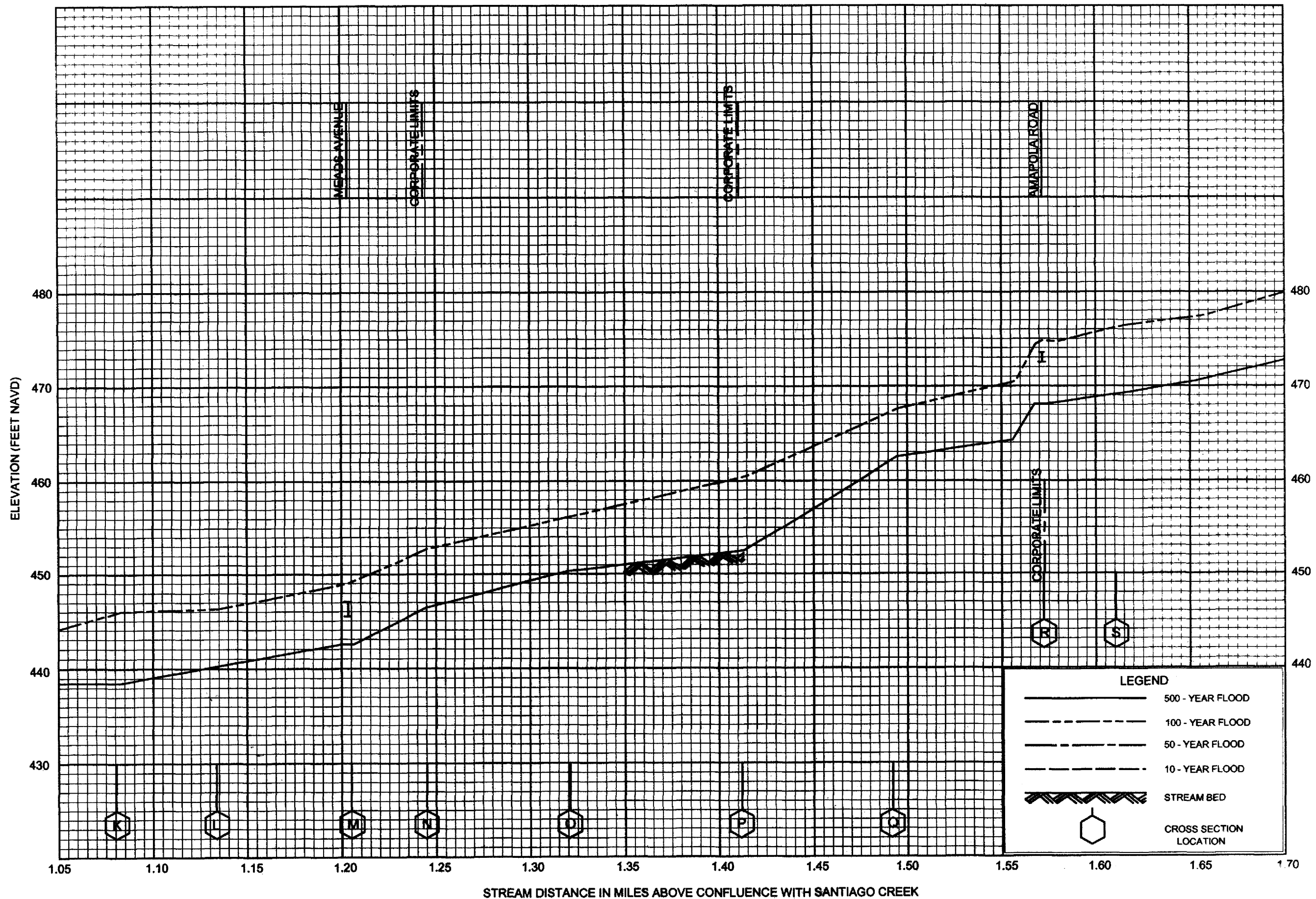
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AND INCORPORATED AREAS

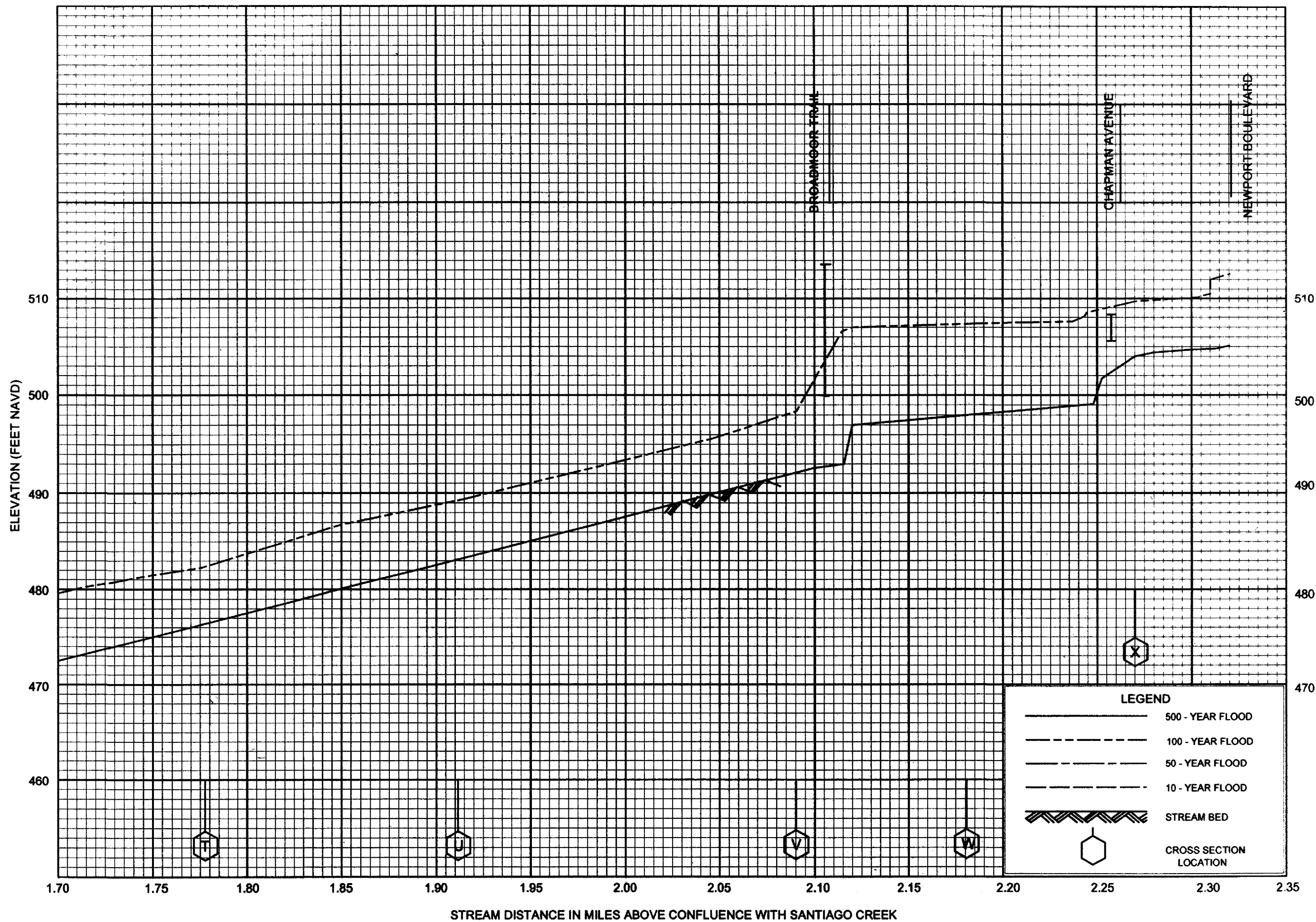
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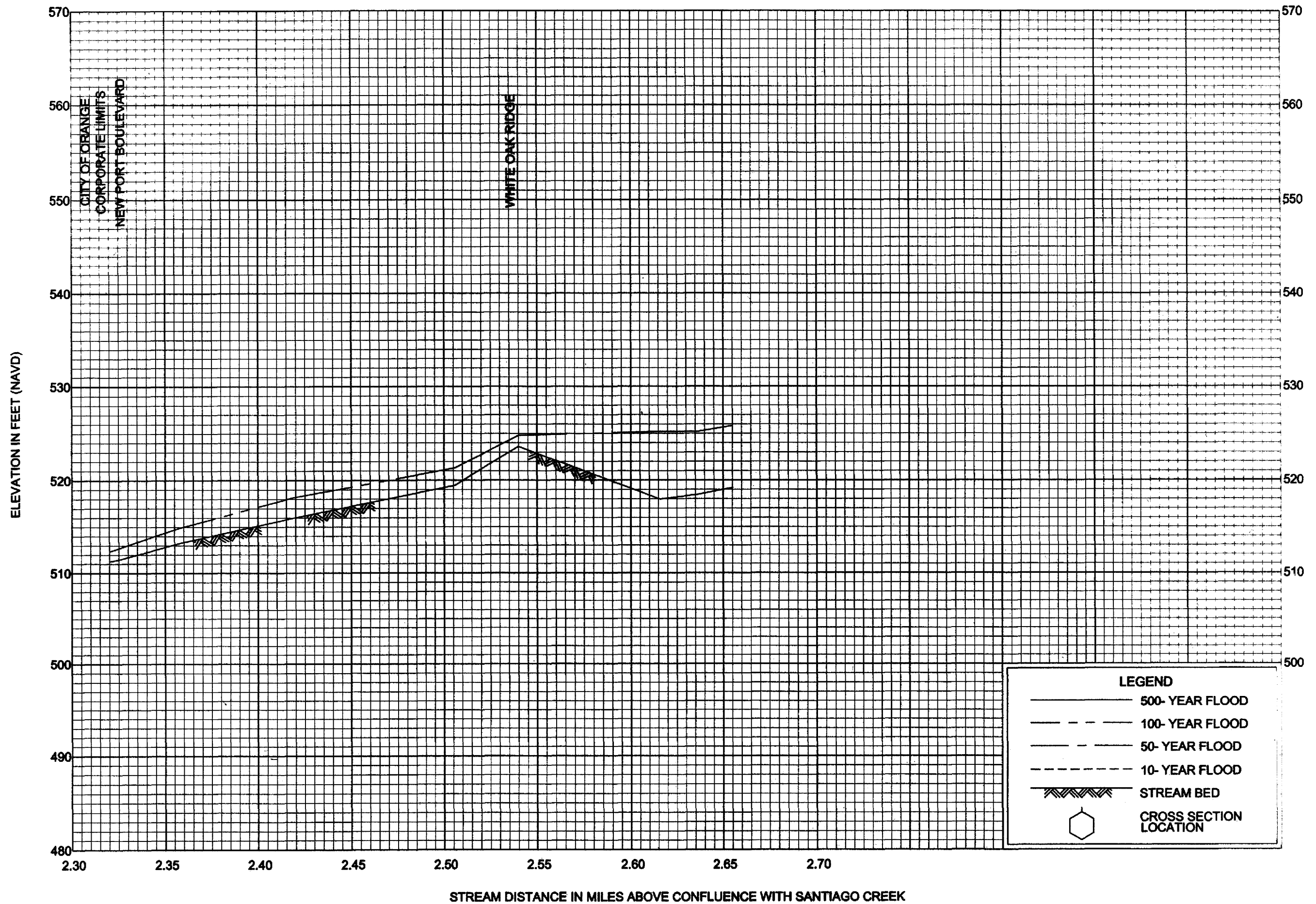


FLOOD PROFILES
HANDY CREEK

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AND INCORPORATED AREAS





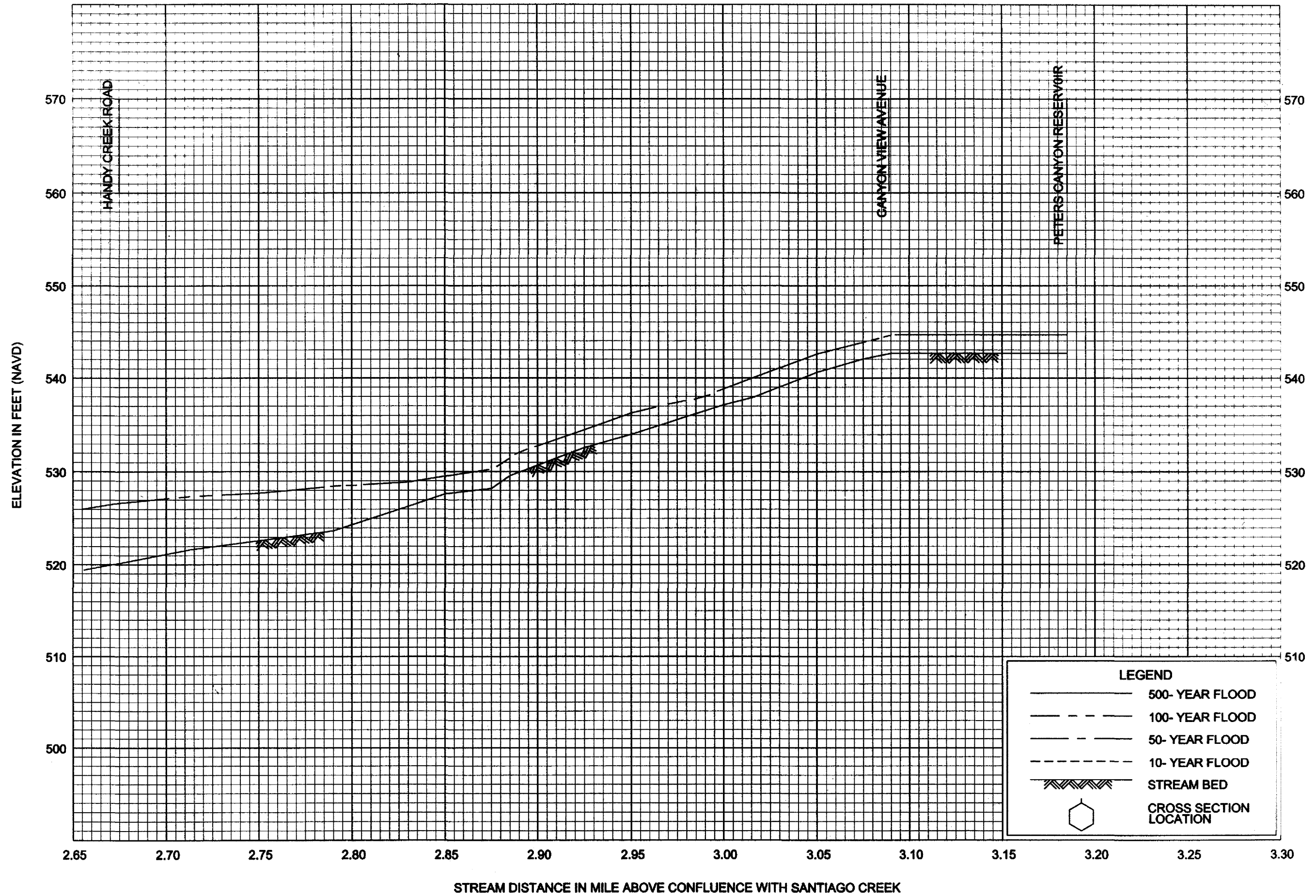


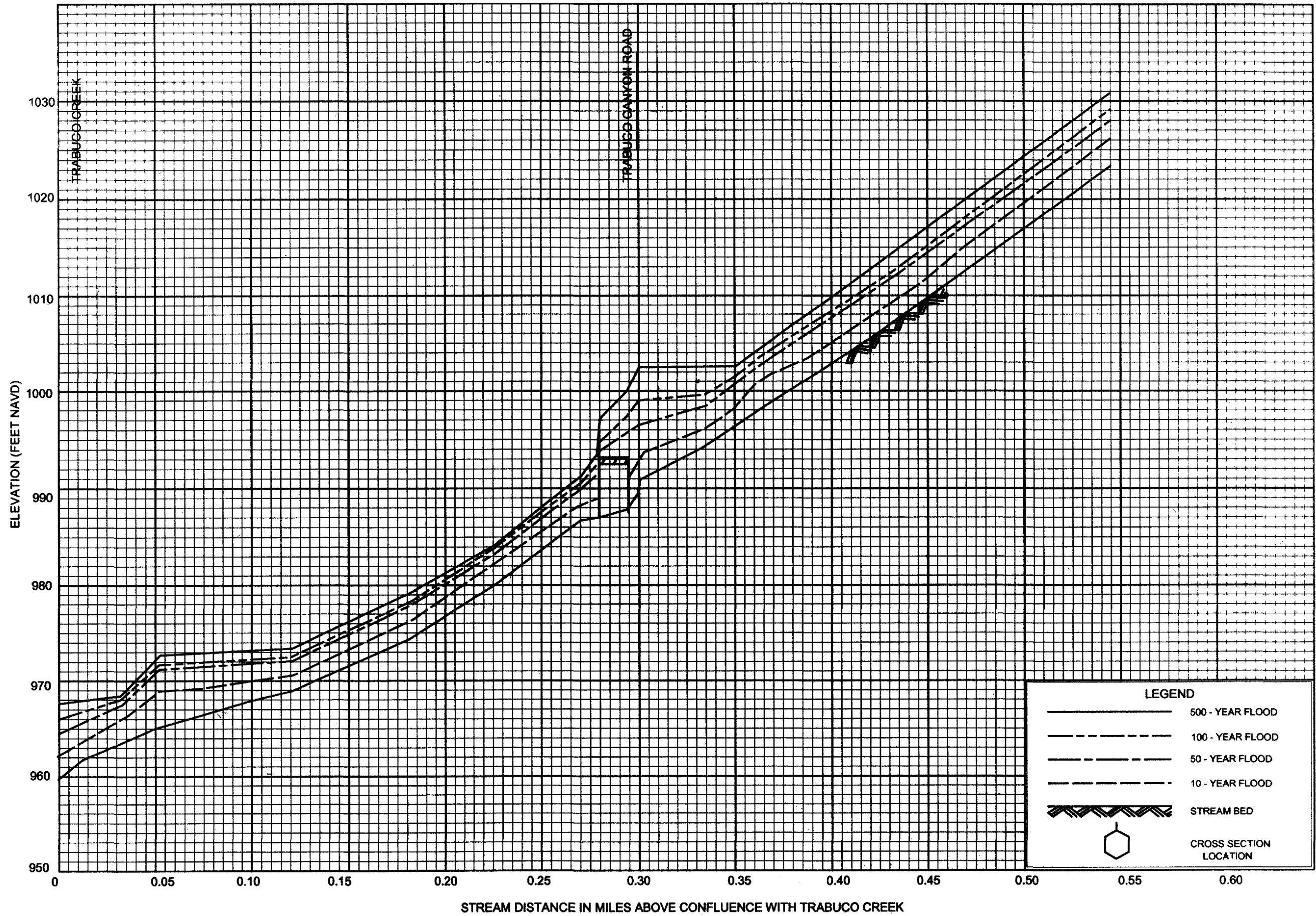
FLOOD PROFILES

HANDY CREEK

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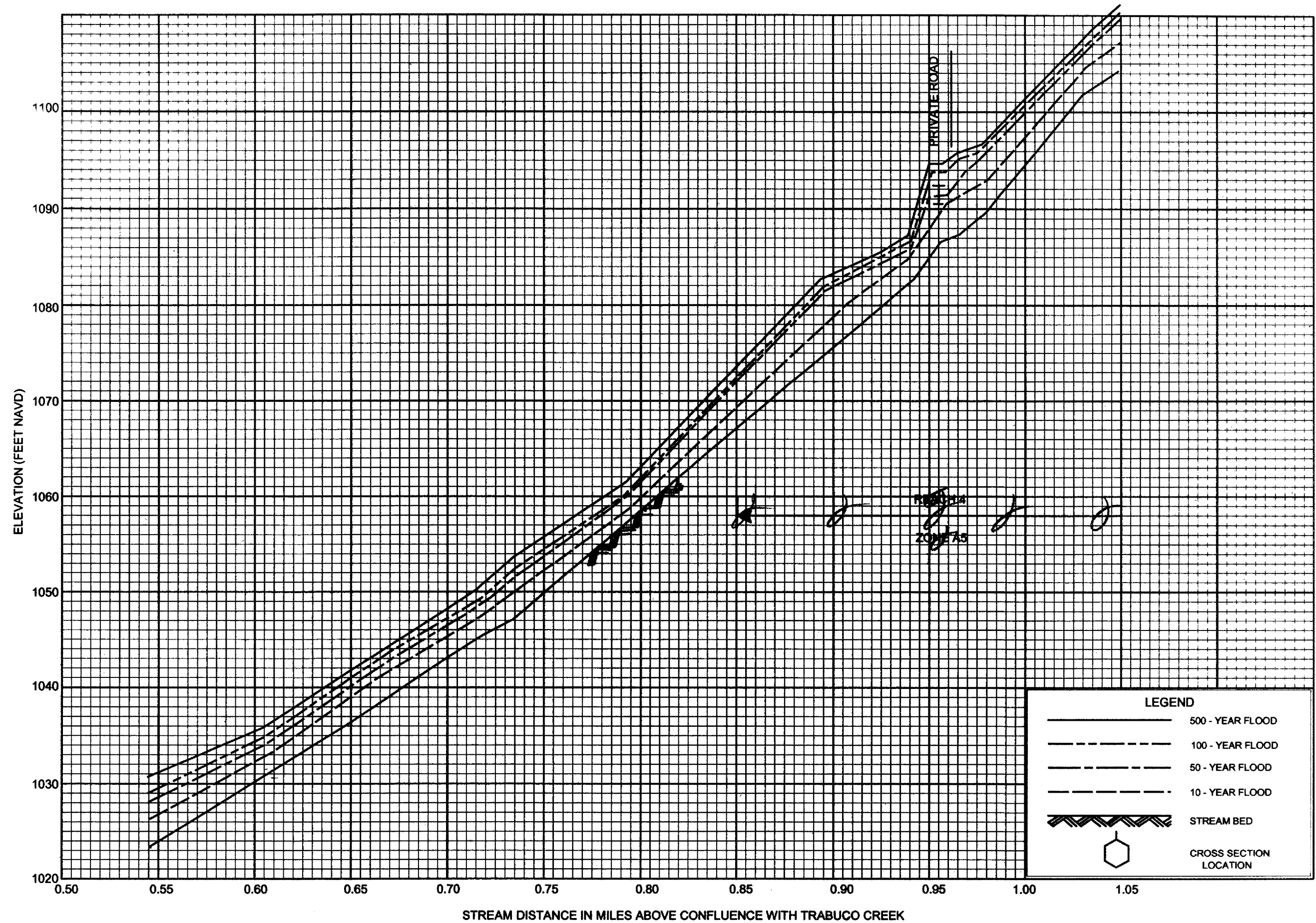
ORANGE COUNTY, CA
AND INCORPORATED AREAS





FLOOD PROFILES
HICKEY CANYON

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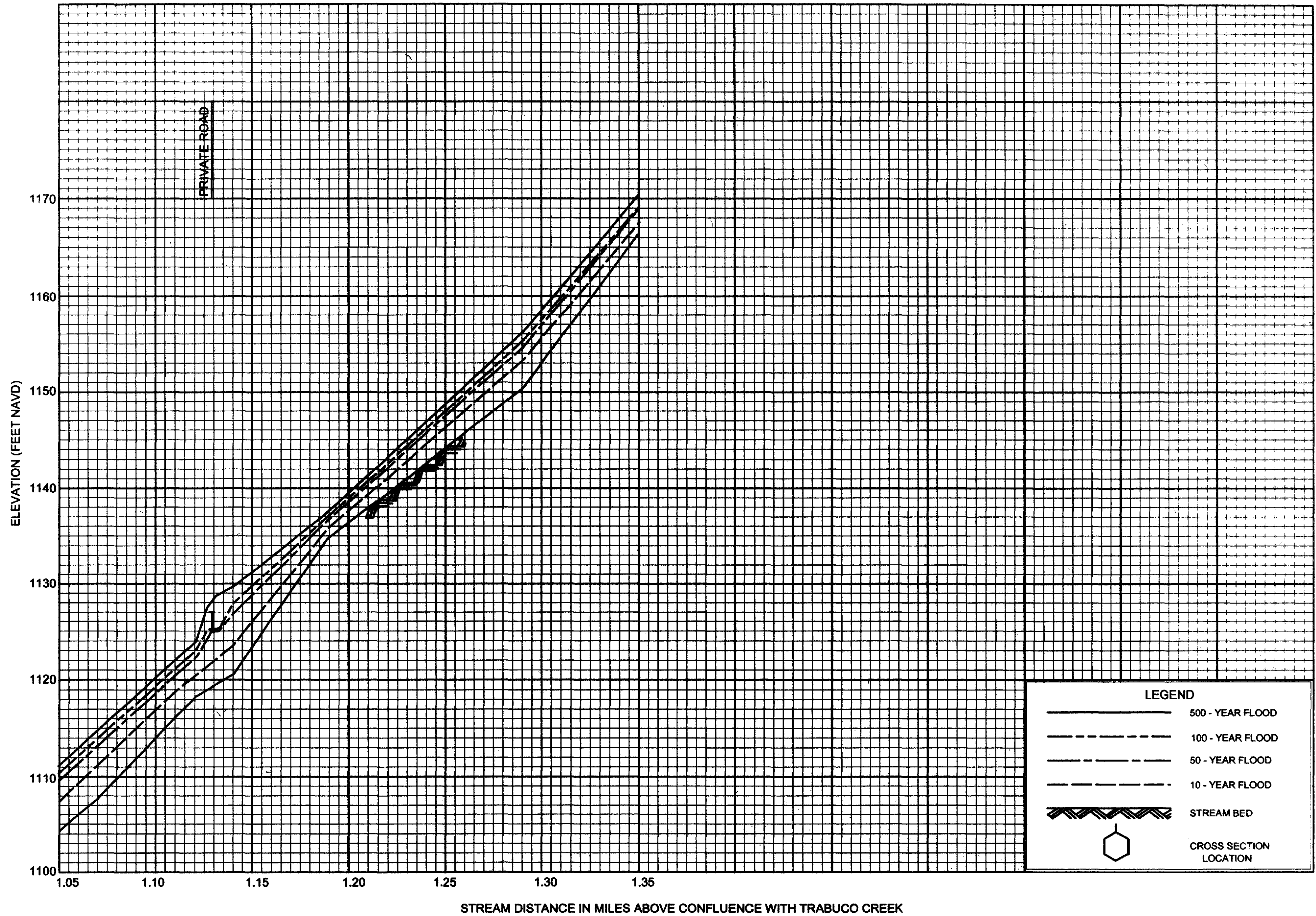
FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

61P

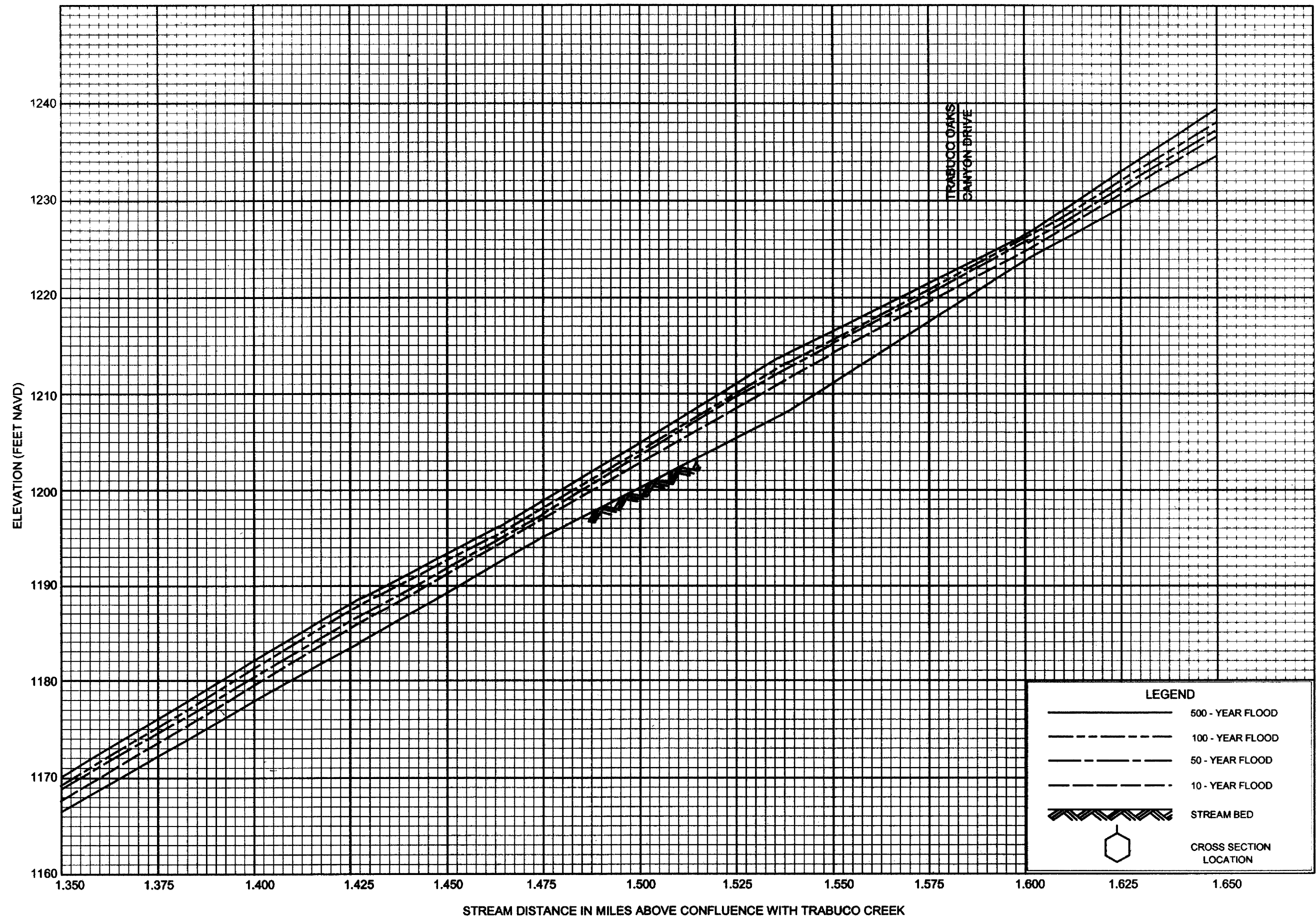


FLOOD PROFILES

HICKEY CANYON

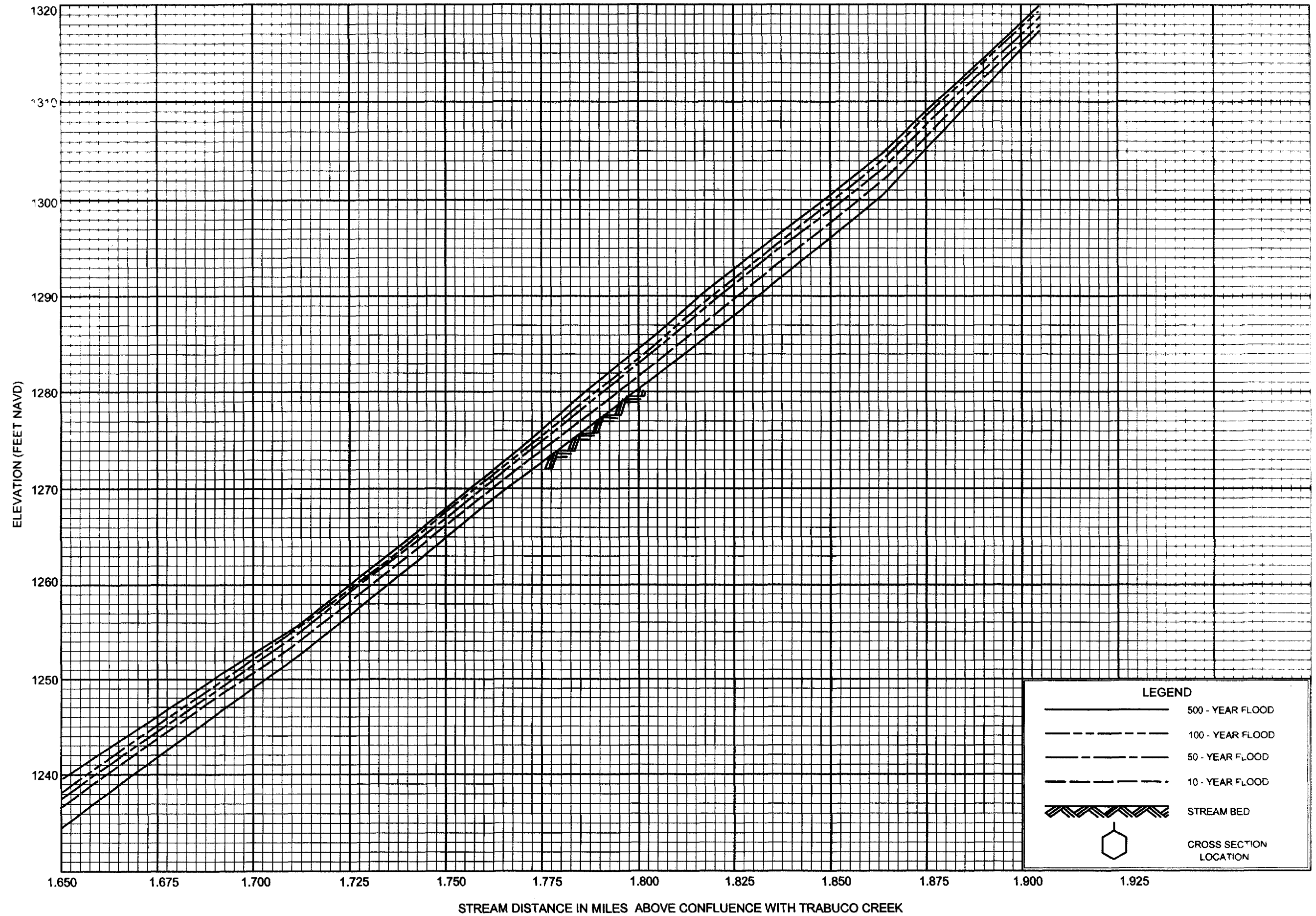
FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES
HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND INCORPORATED AREAS

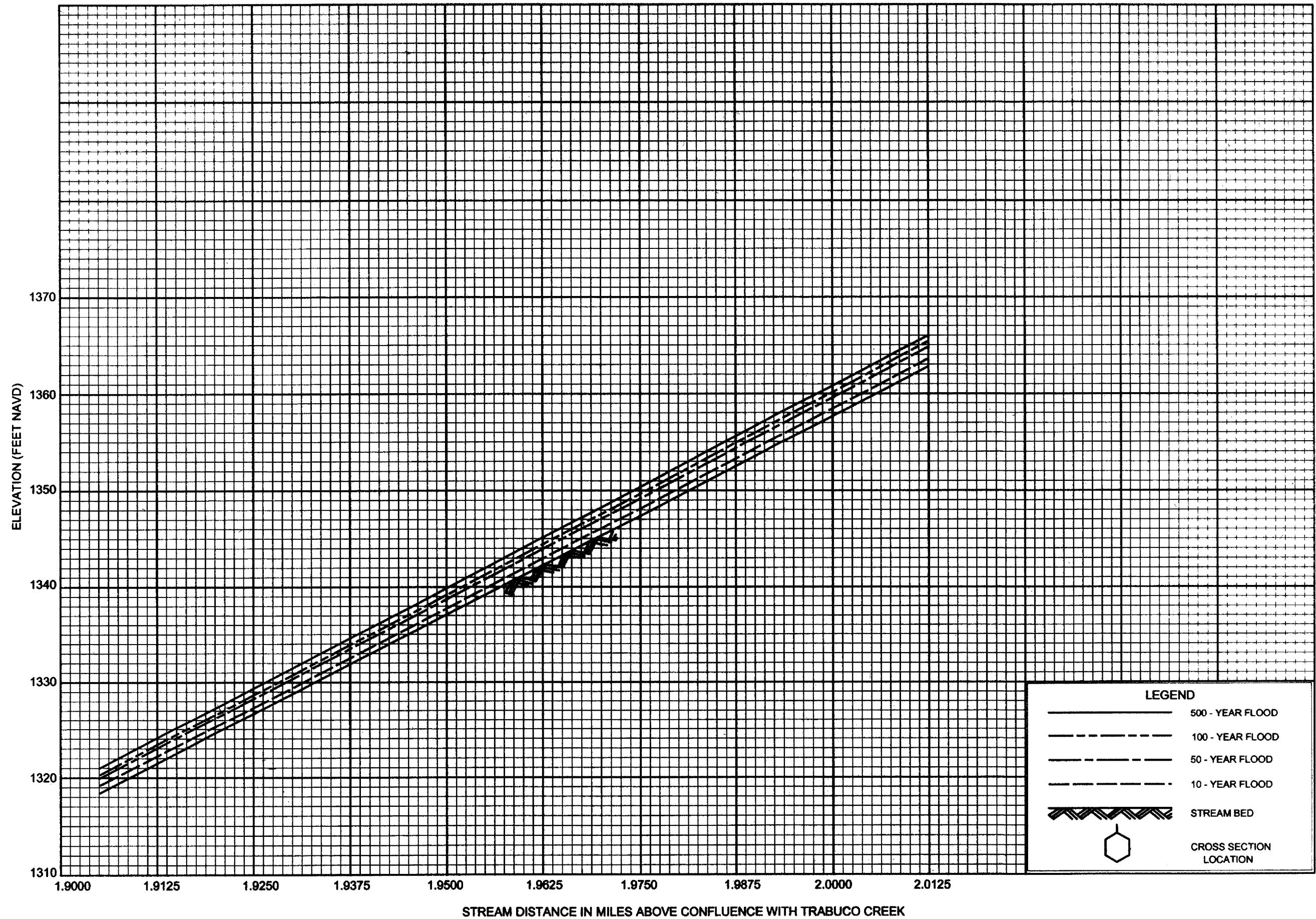


FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



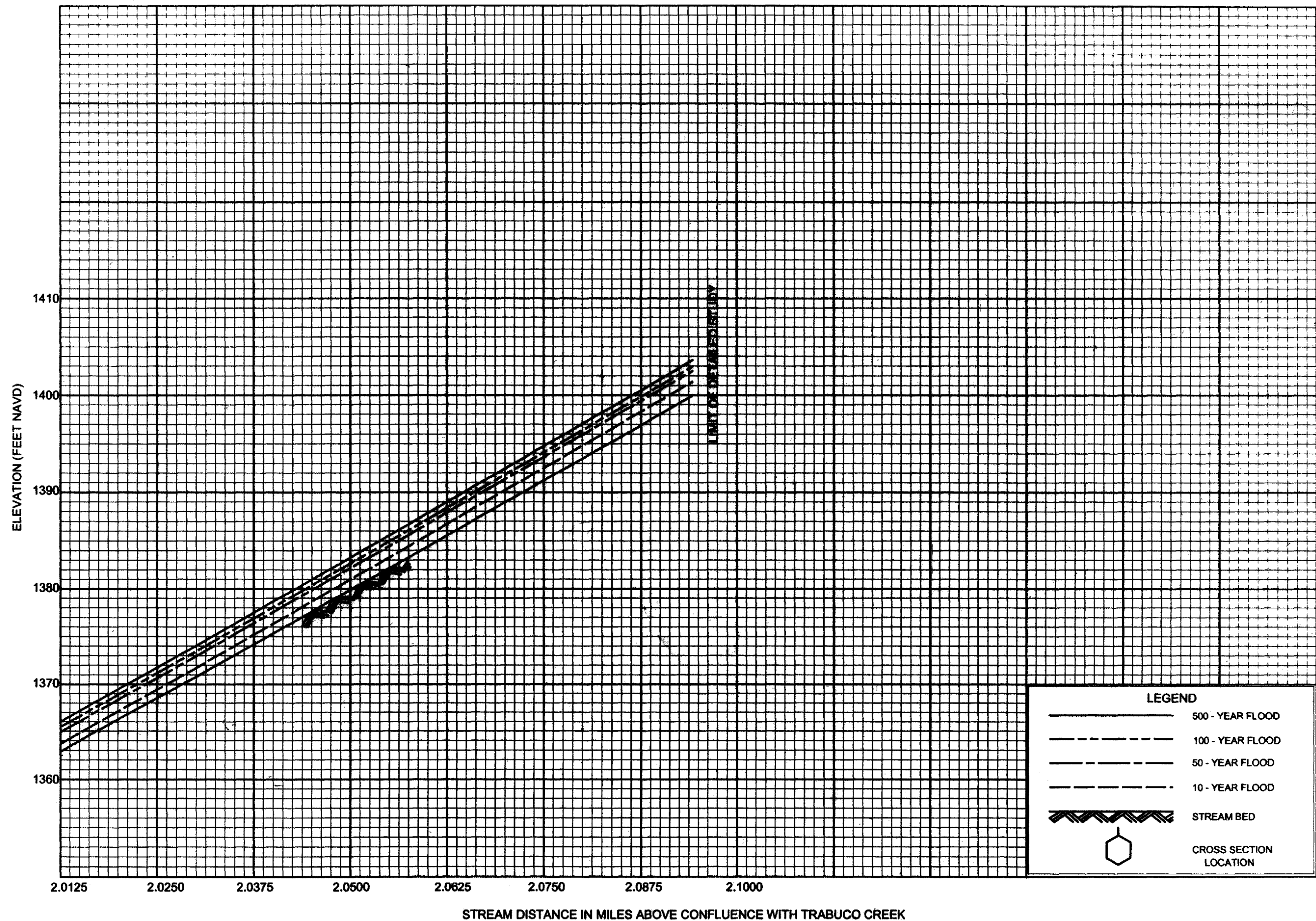
FLOOD PROFILES

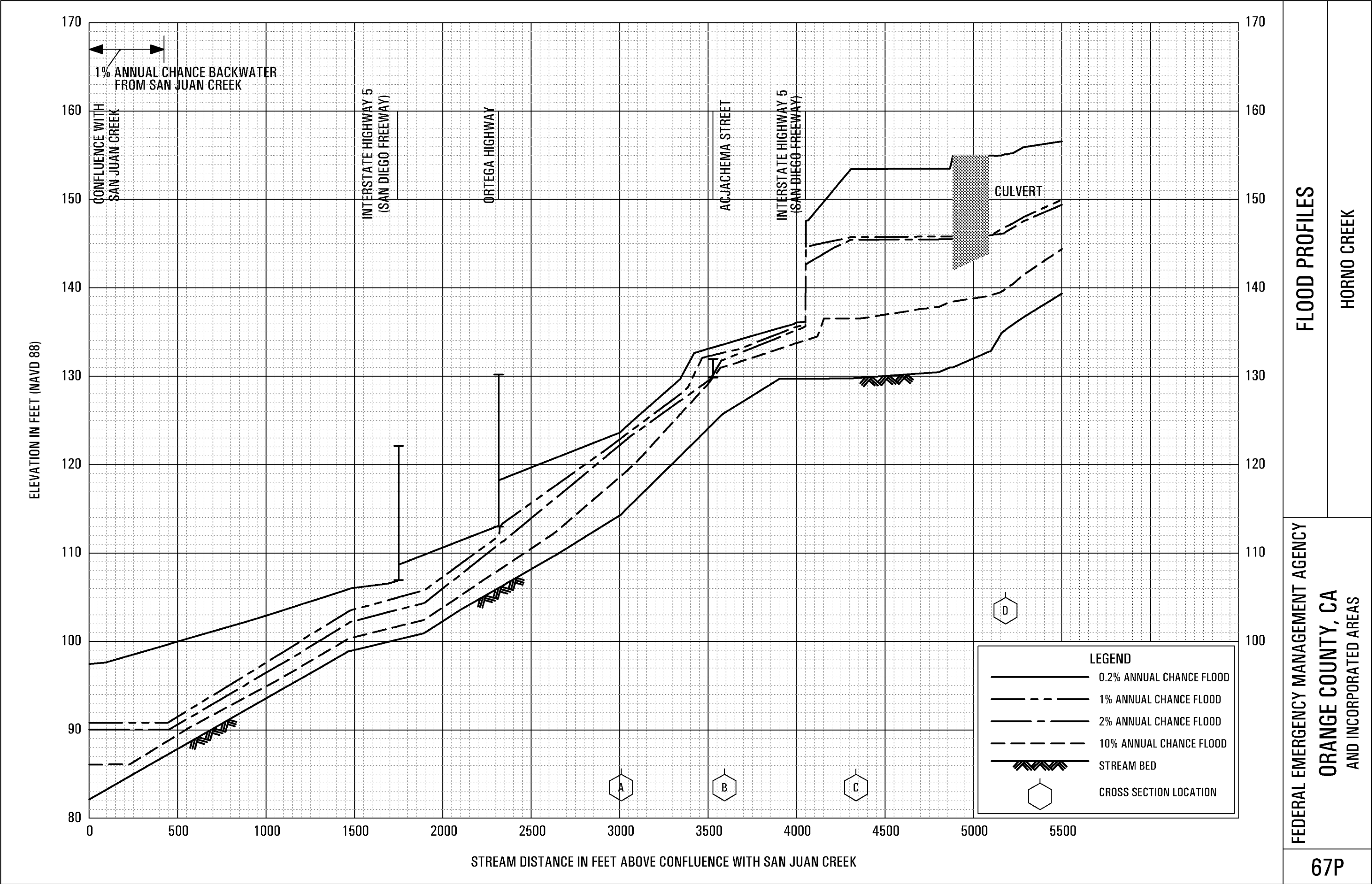
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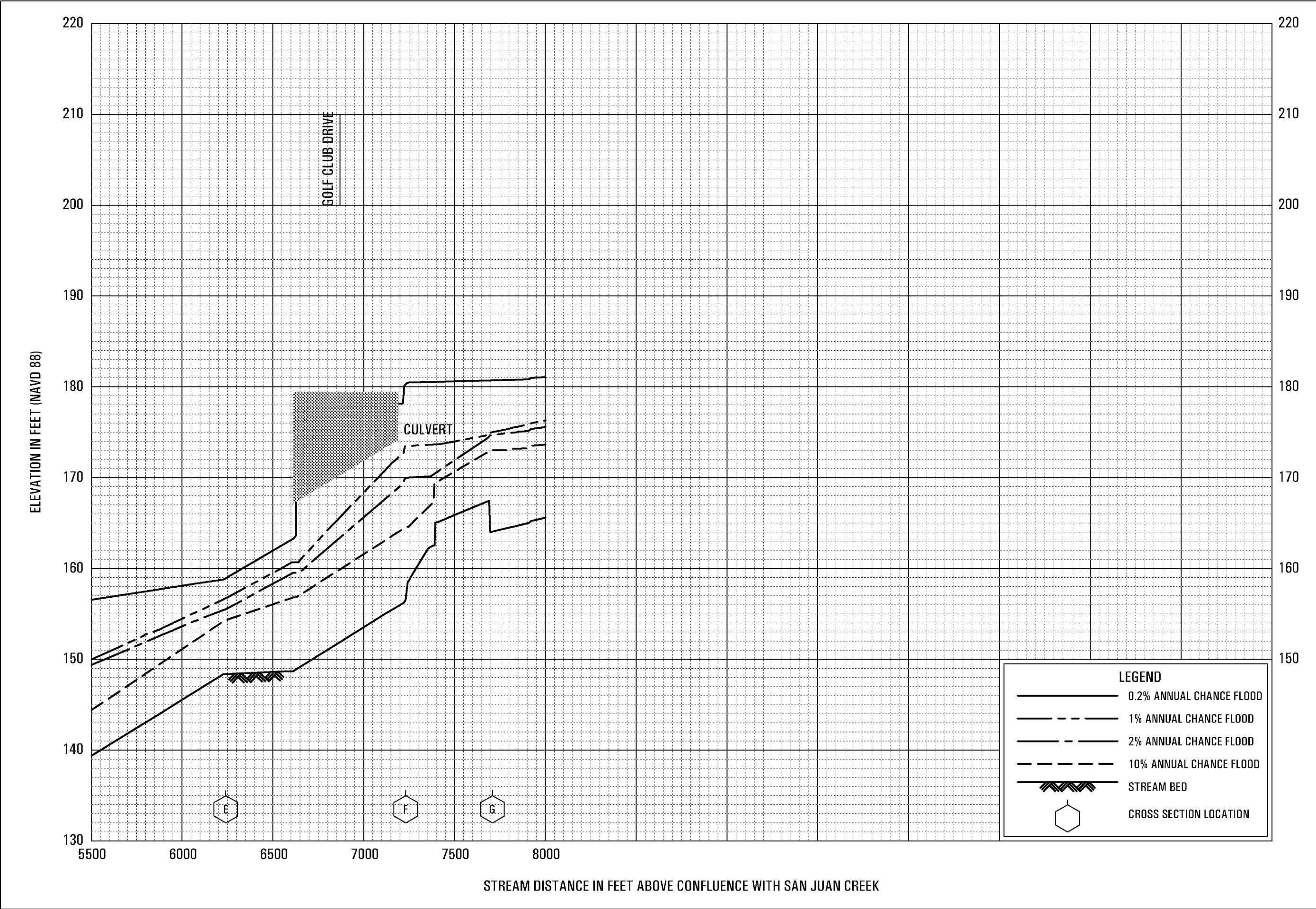
FEDERAL EMERGENCY MANAGEMENT AGENCY

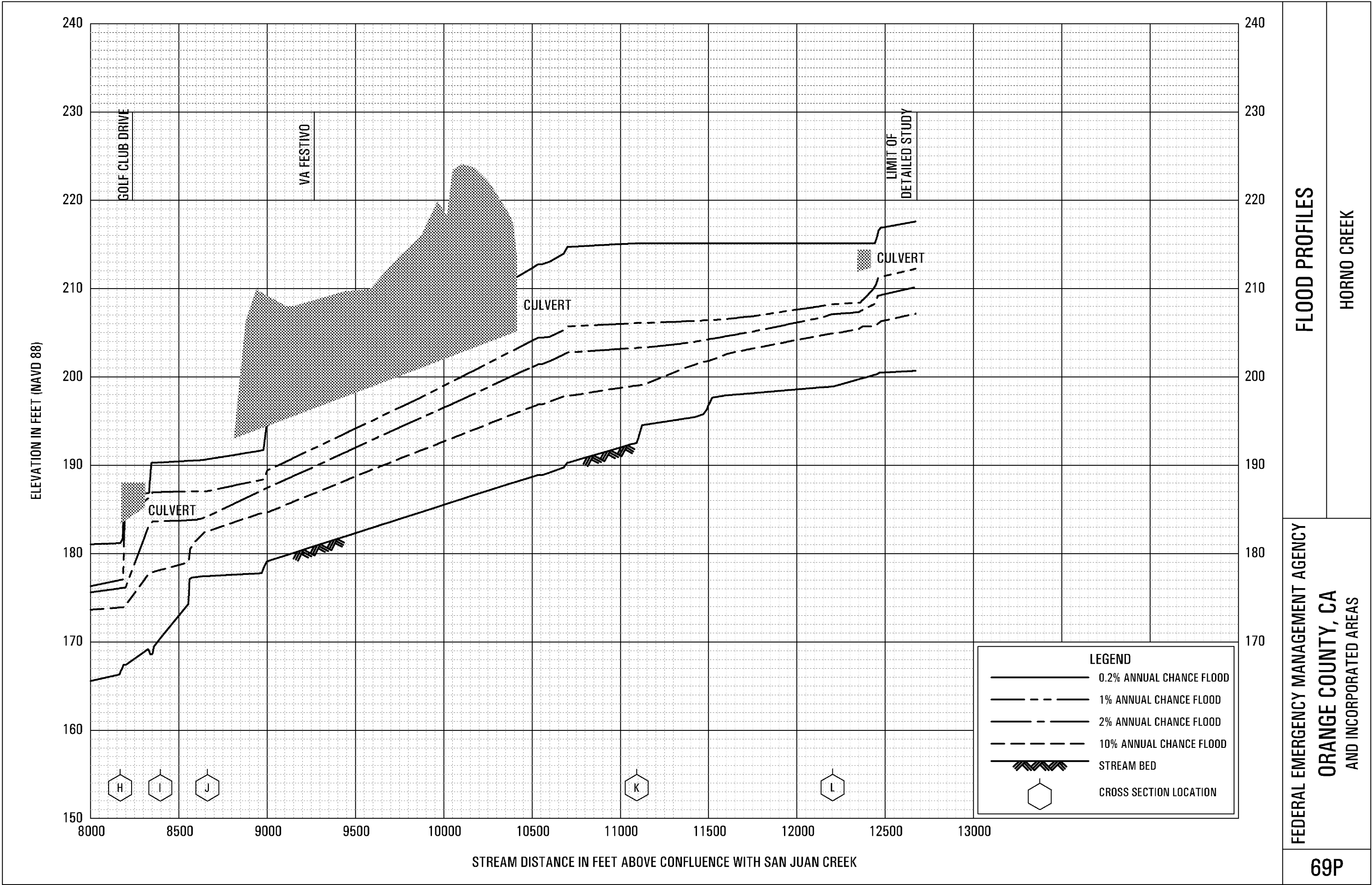
ORANGE COUNTY, CA
AND INCORPORATED AREAS

65P







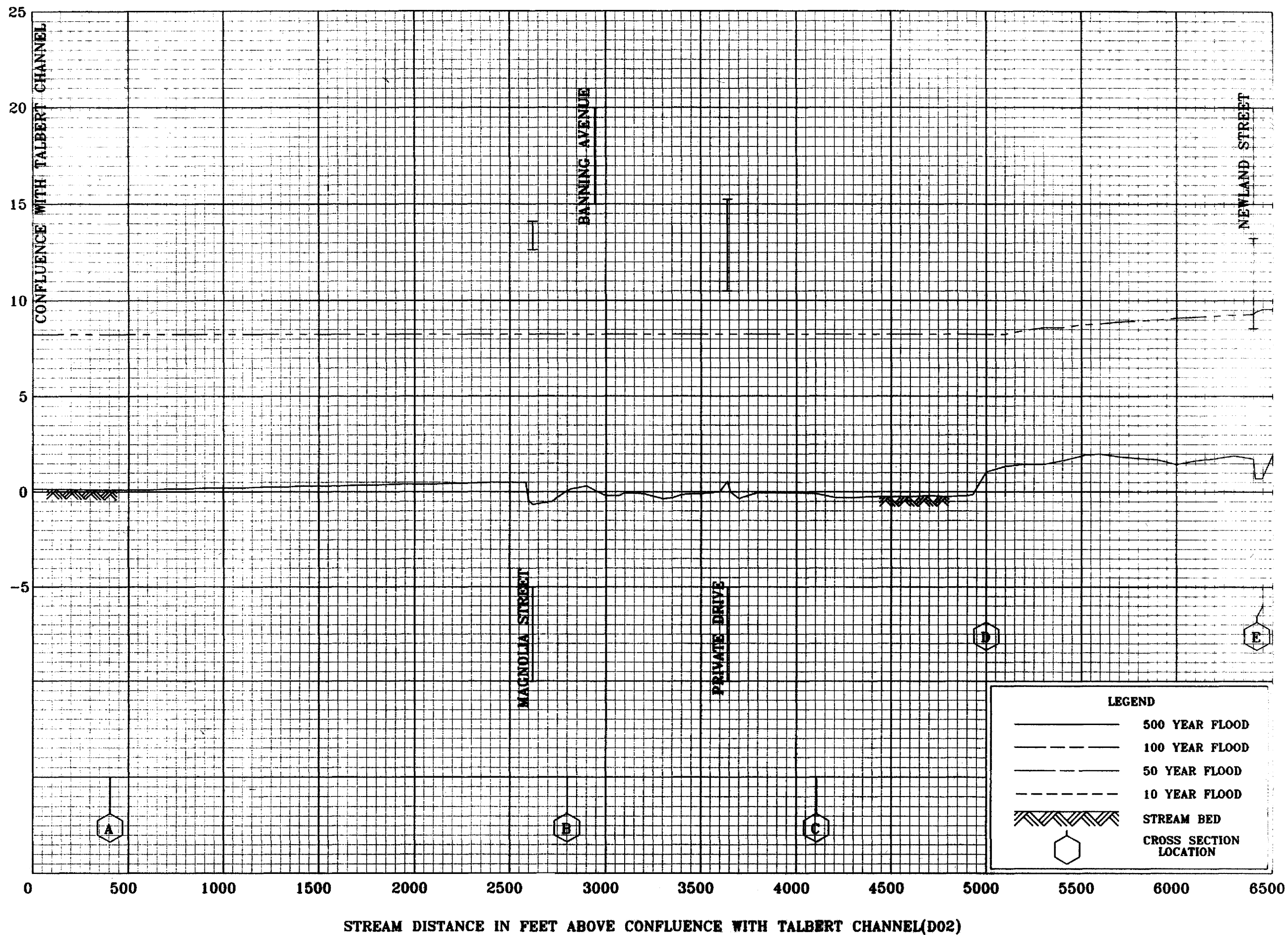


FLOOD PROFILES

HORNO CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND INCORPORATED AREAS

ELEVATION IN FEET (NAVD)



FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

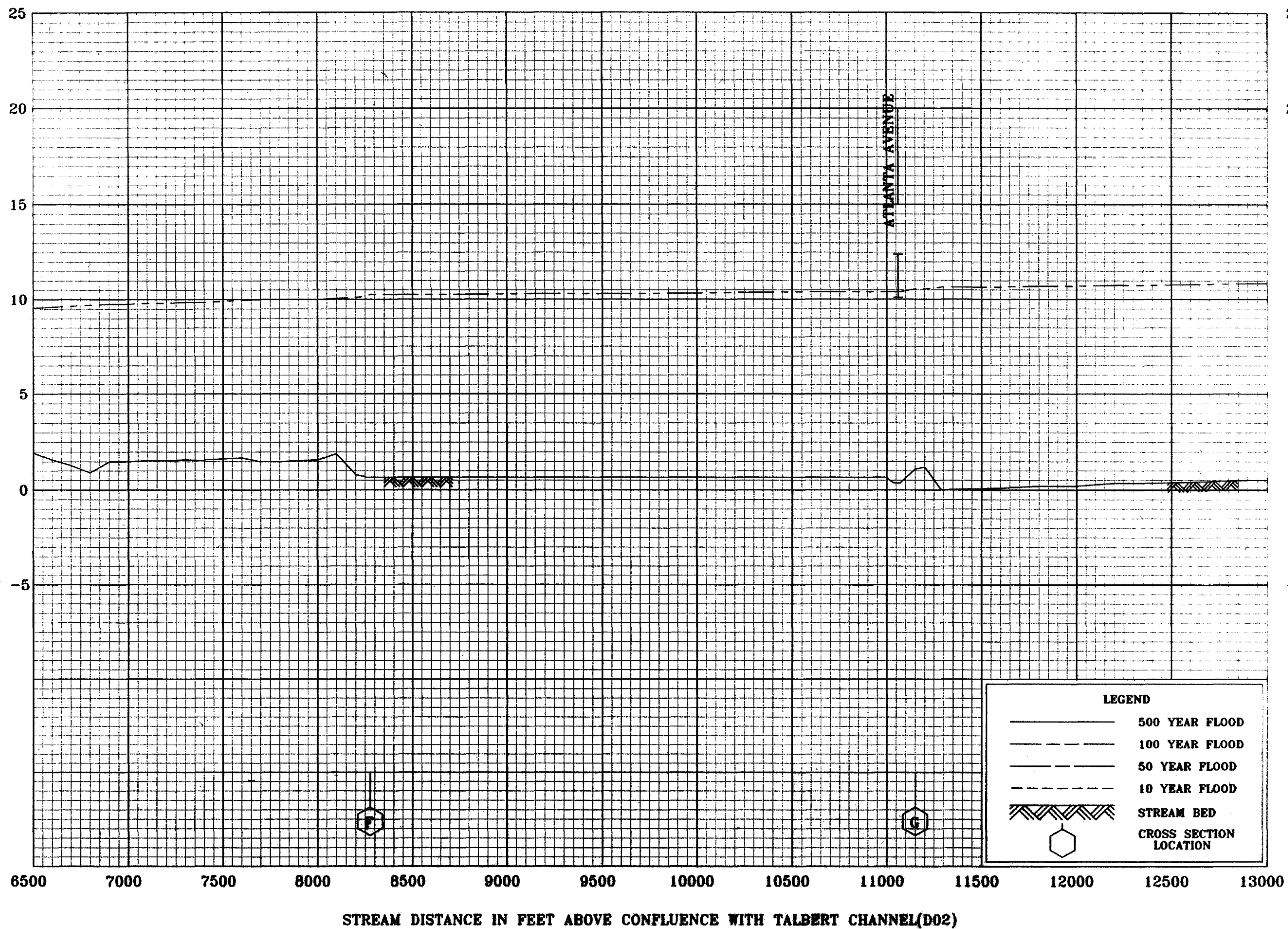
AND INCORPORATED AREAS

FLOOD PROFILES

HUNTINGTON BEACH CHANNEL (D01)

70P

ELEVATION IN FEET (NAVD)



FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

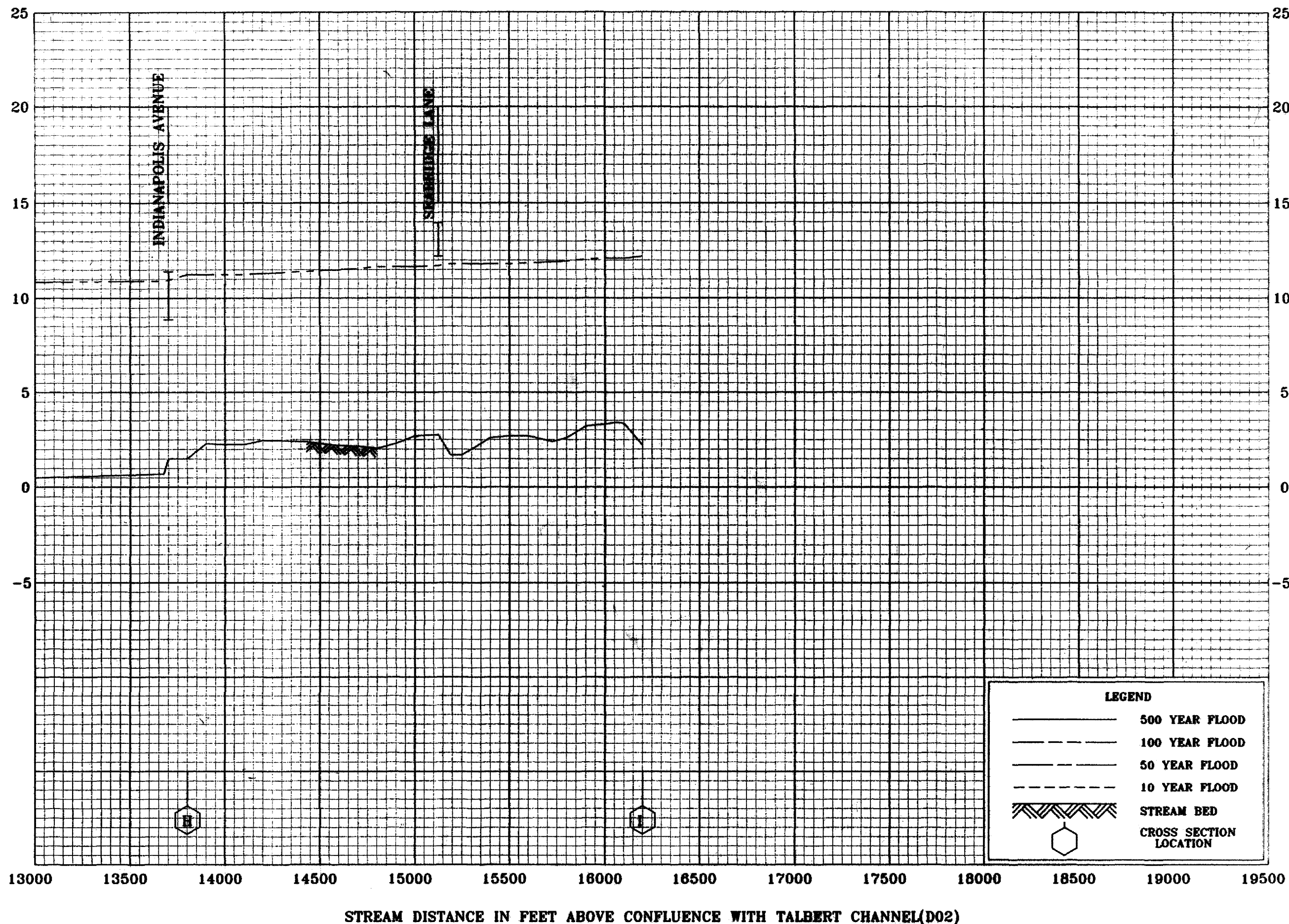
AND INCORPORATED AREAS

FLOOD PROFILES

HUNTINGTON BEACH CHANNEL (D01)

71P

ELEVATION IN FEET (NAVD)



FEDERAL EMERGENCY MANAGEMENT AGENCY

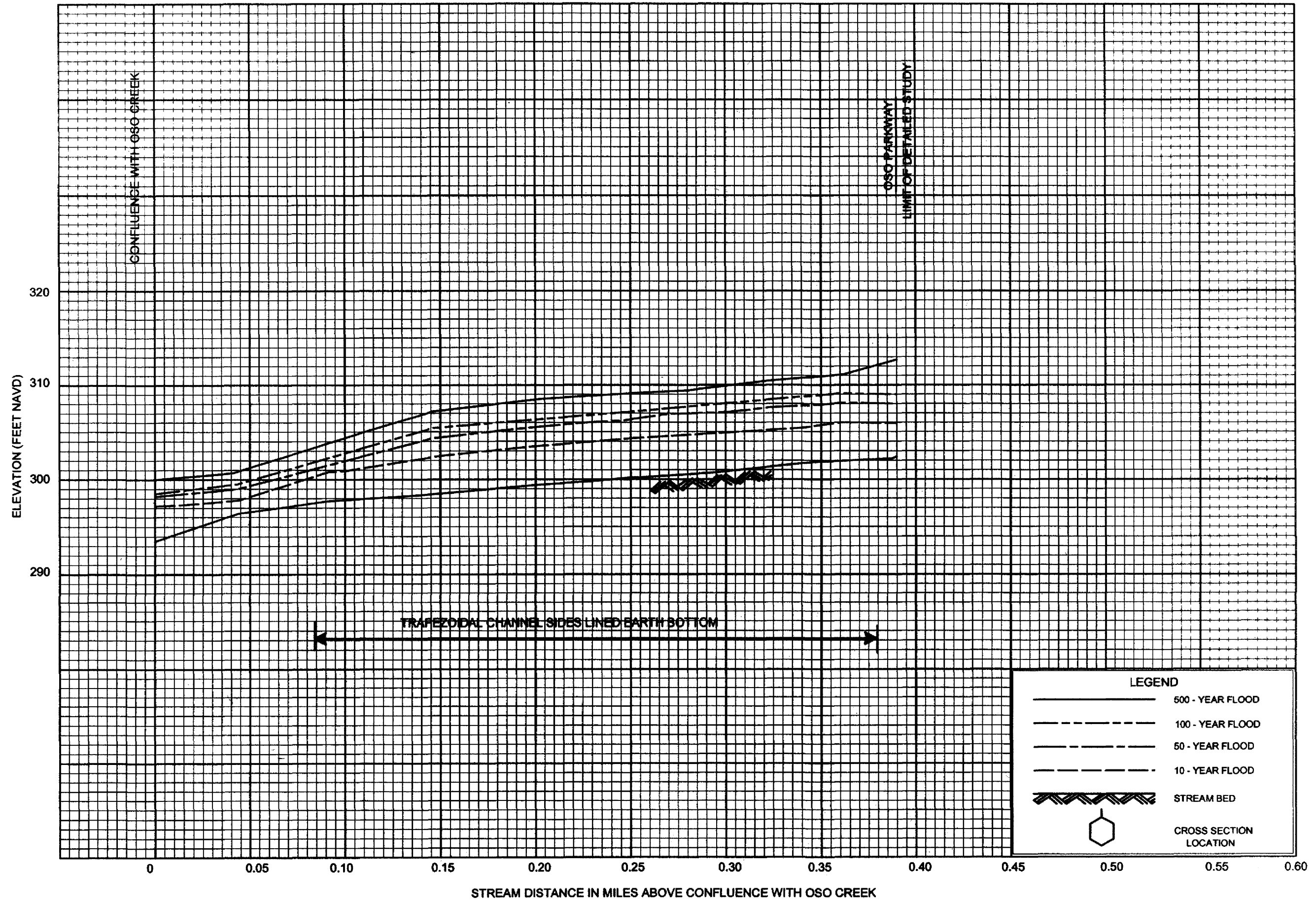
ORANGE COUNTY, CA

AND INCORPORATED AREAS

FLOOD PROFILES

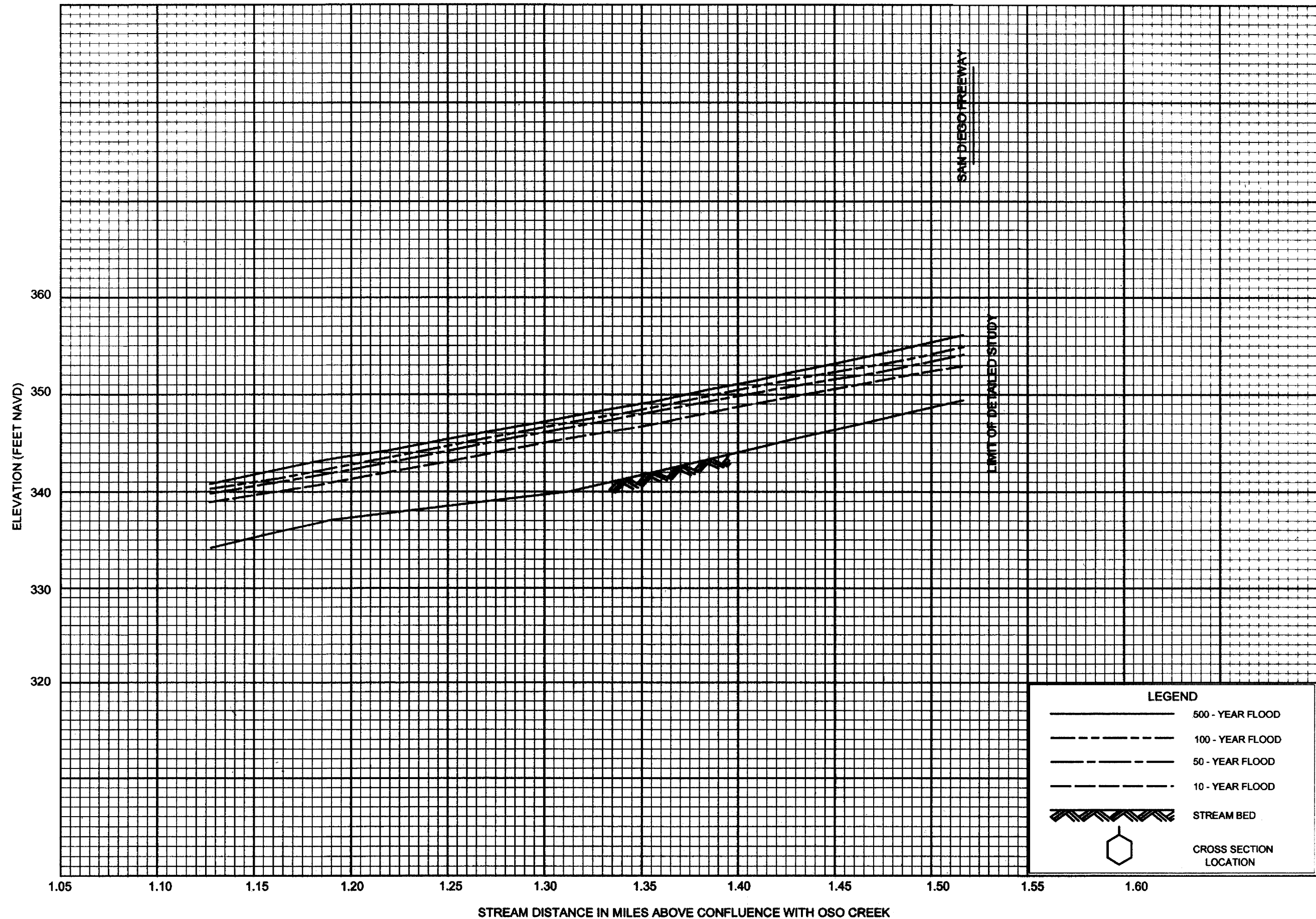
HUNTINGTON BEACH CHANNEL (D01)

72P



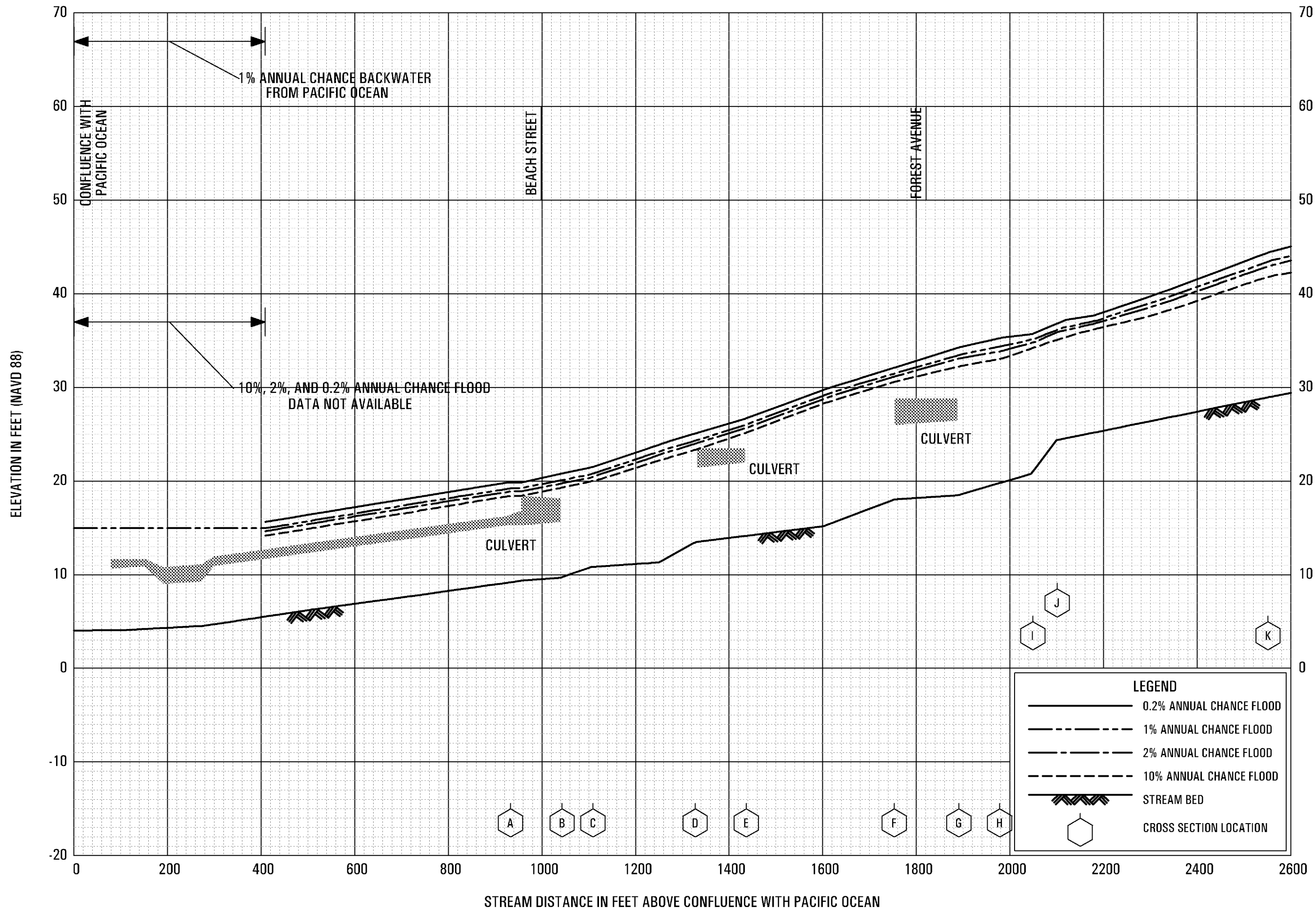
FLOOD PROFILES
LA PAZ CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES
LA PAZ CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND INCORPORATED AREAS

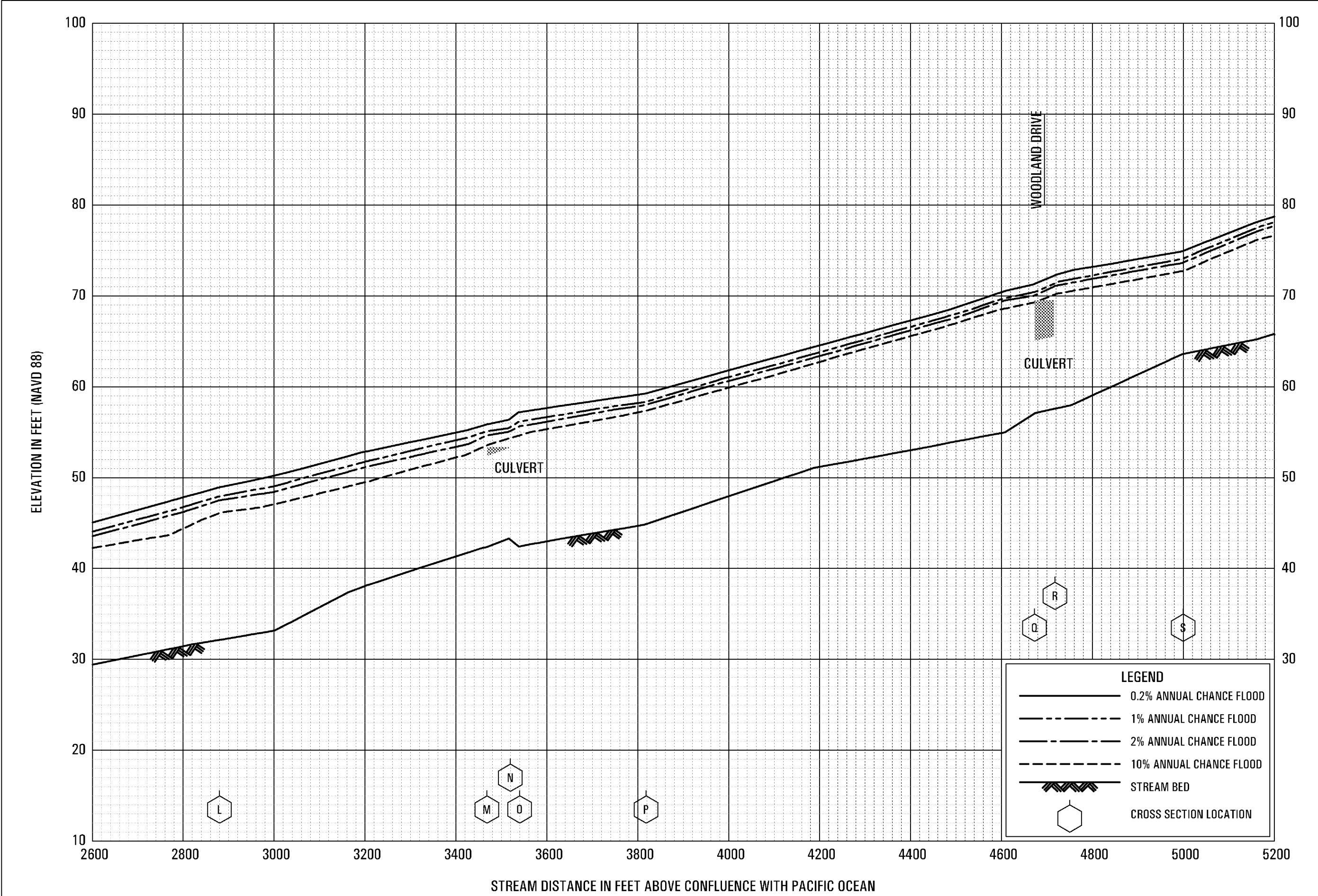


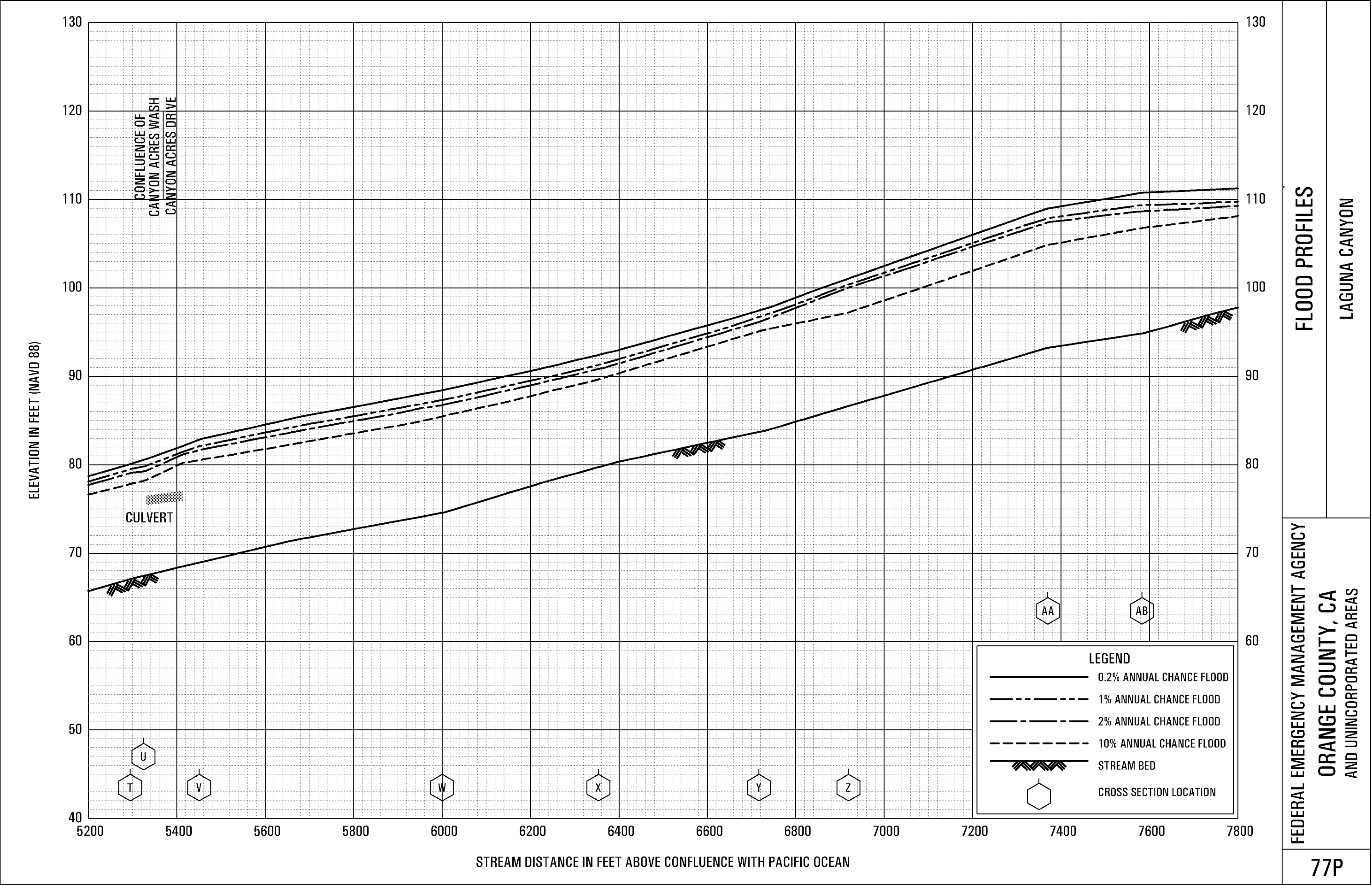
FLOOD PROFILES

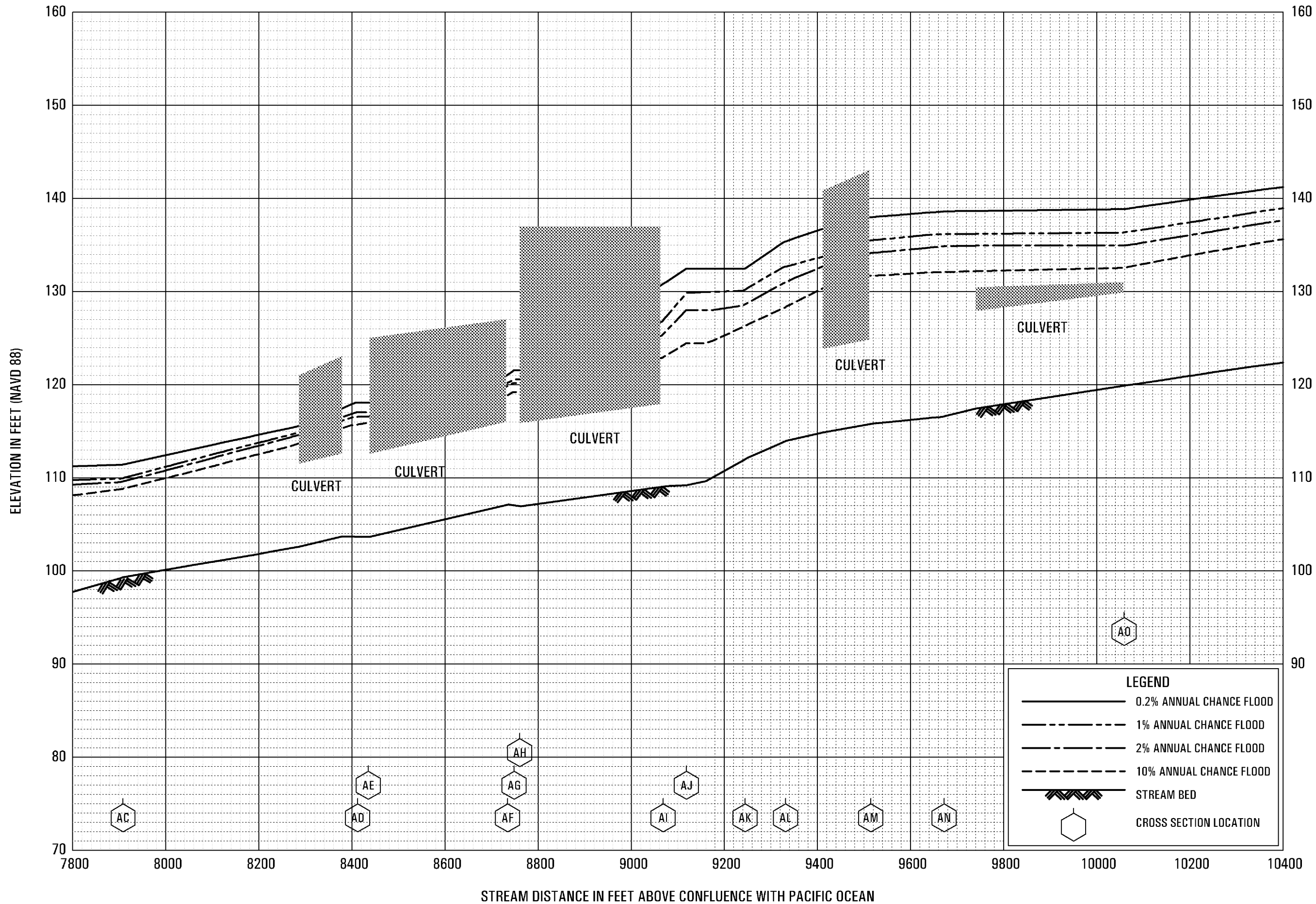
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND UNINCORPORATED AREAS



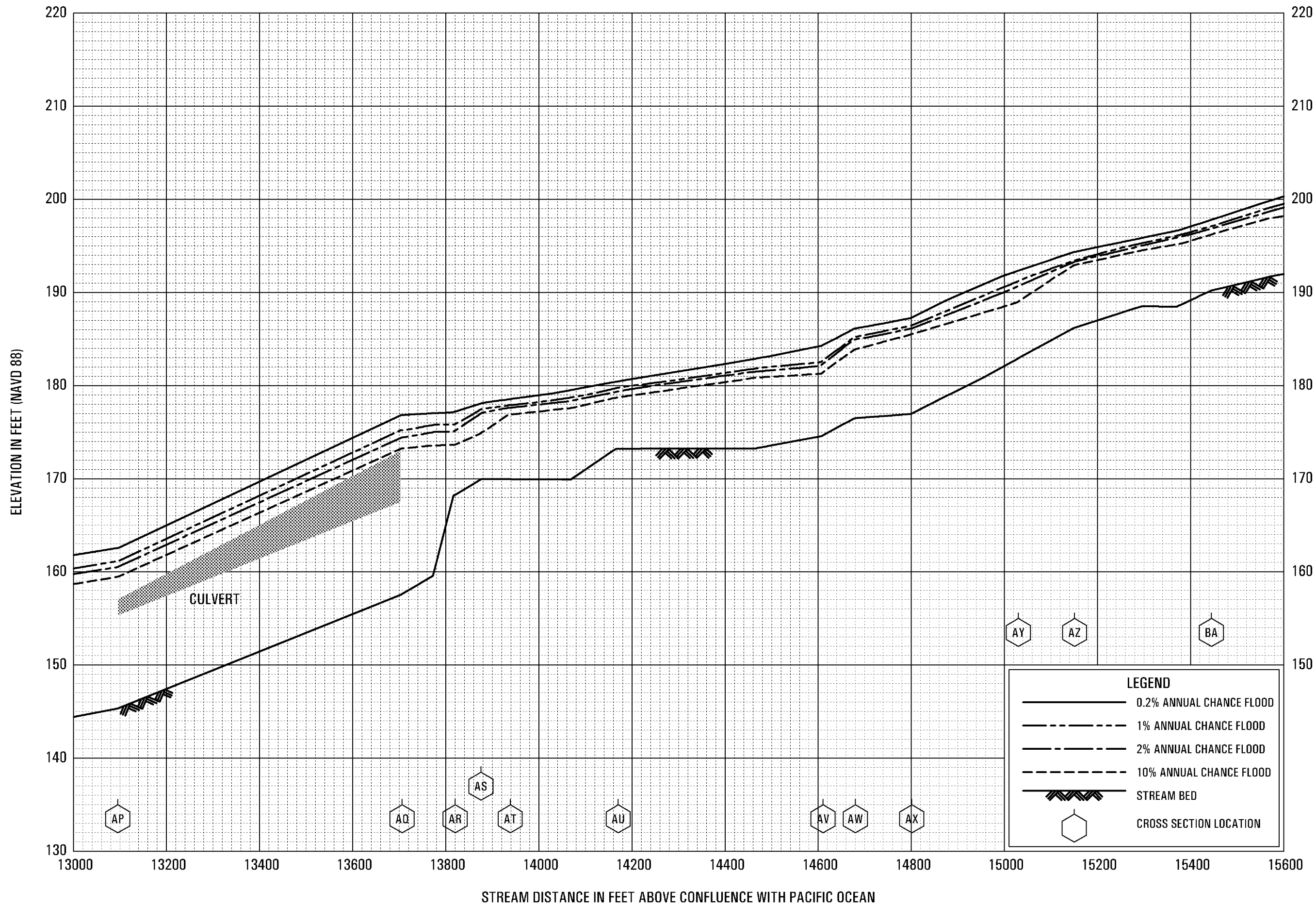




FLOOD PROFILES

LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND UNINCORPORATED AREAS

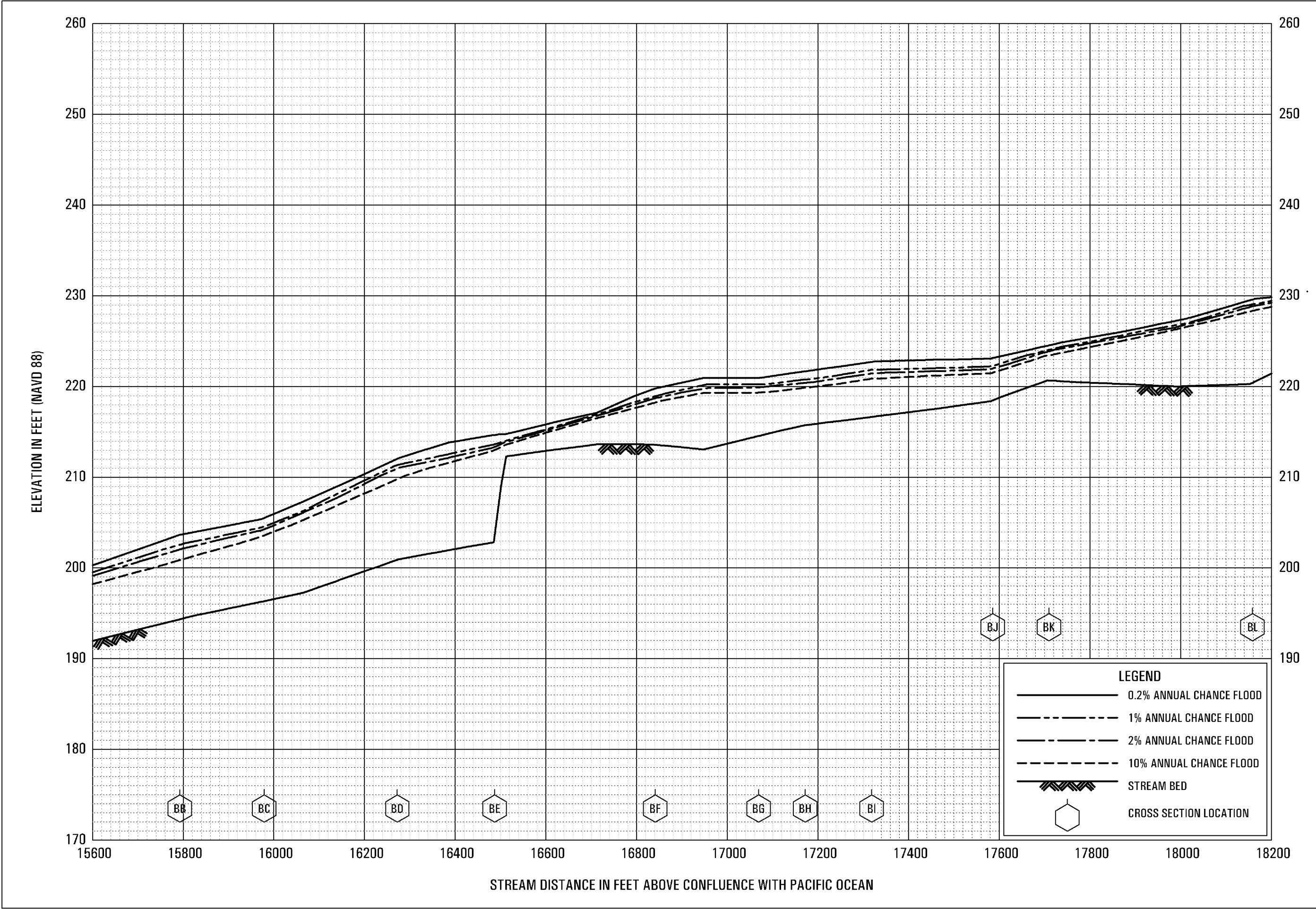


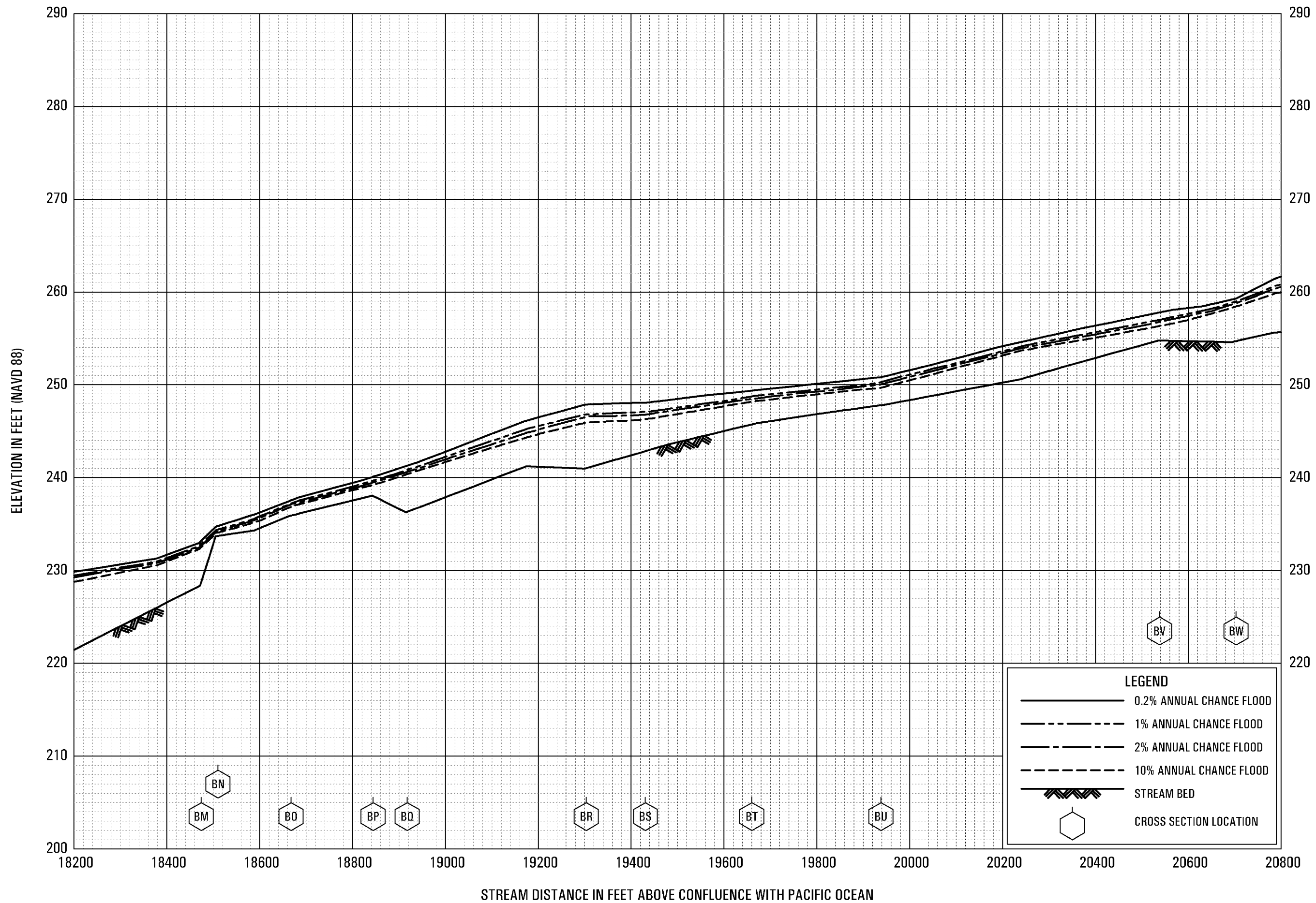
FLOOD PROFILES

LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND UNINCORPORATED AREAS





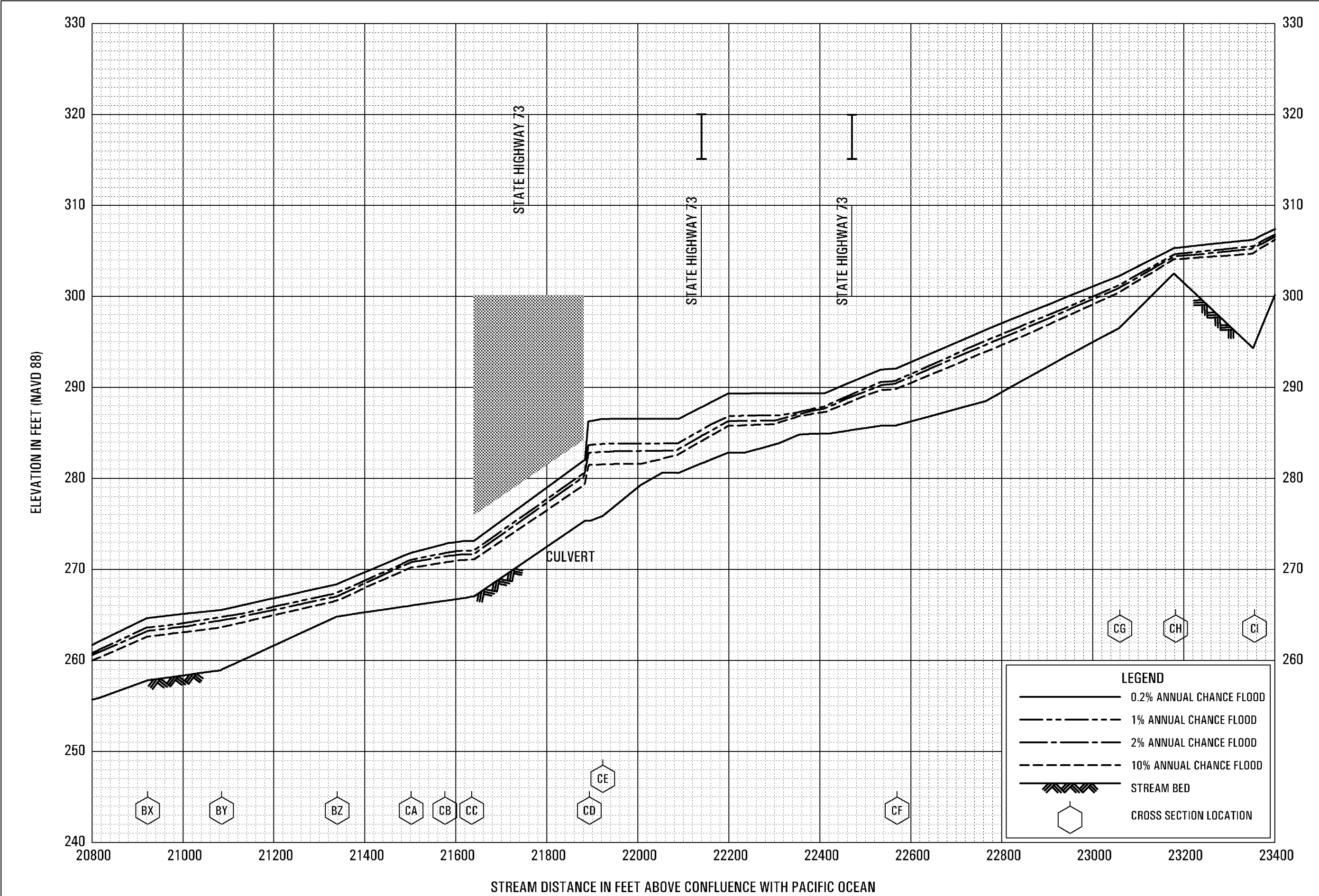
FLOOD PROFILES

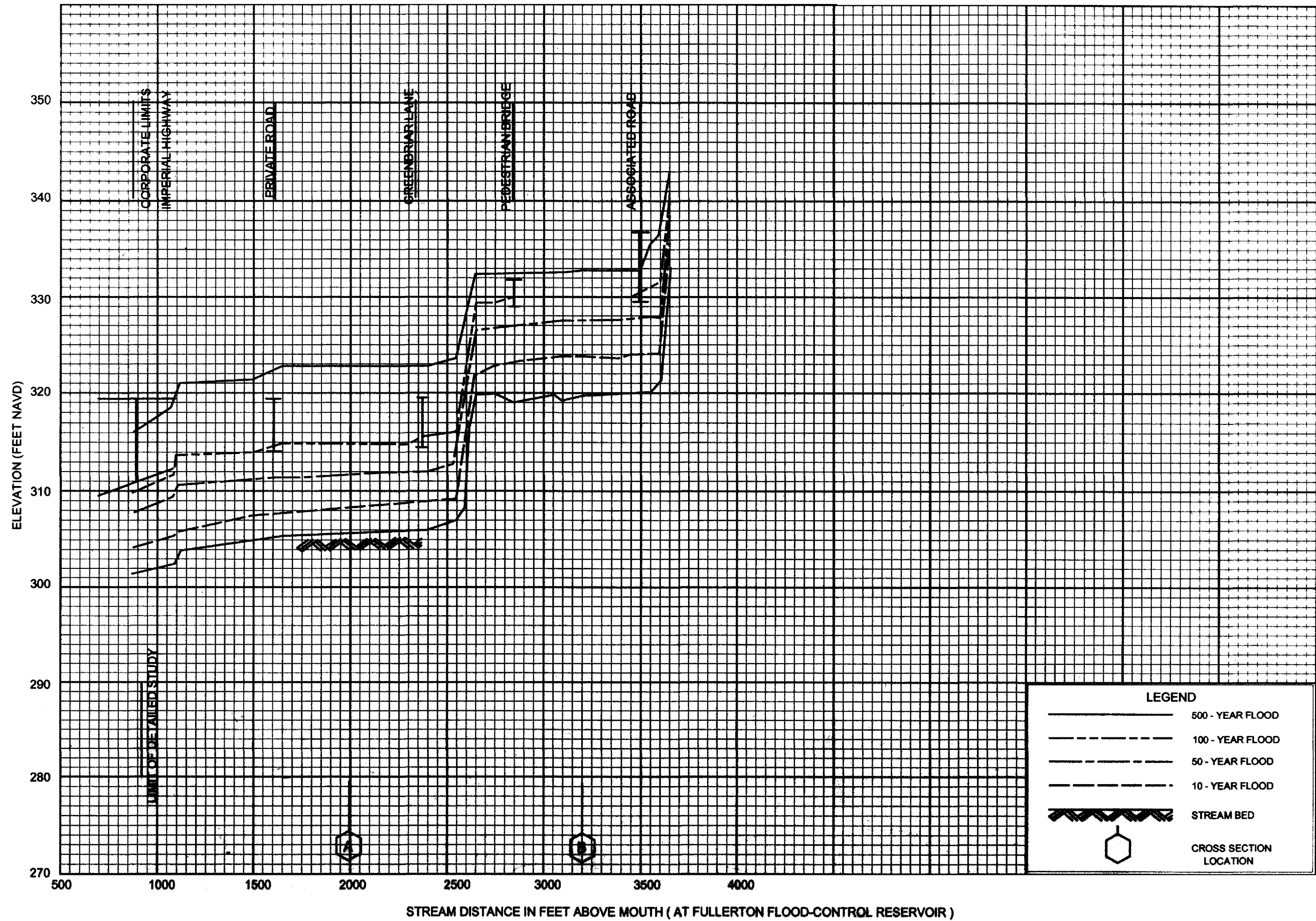
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

**ORANGE COUNTY, CA
AND UNINCORPORATED AREAS**

82P



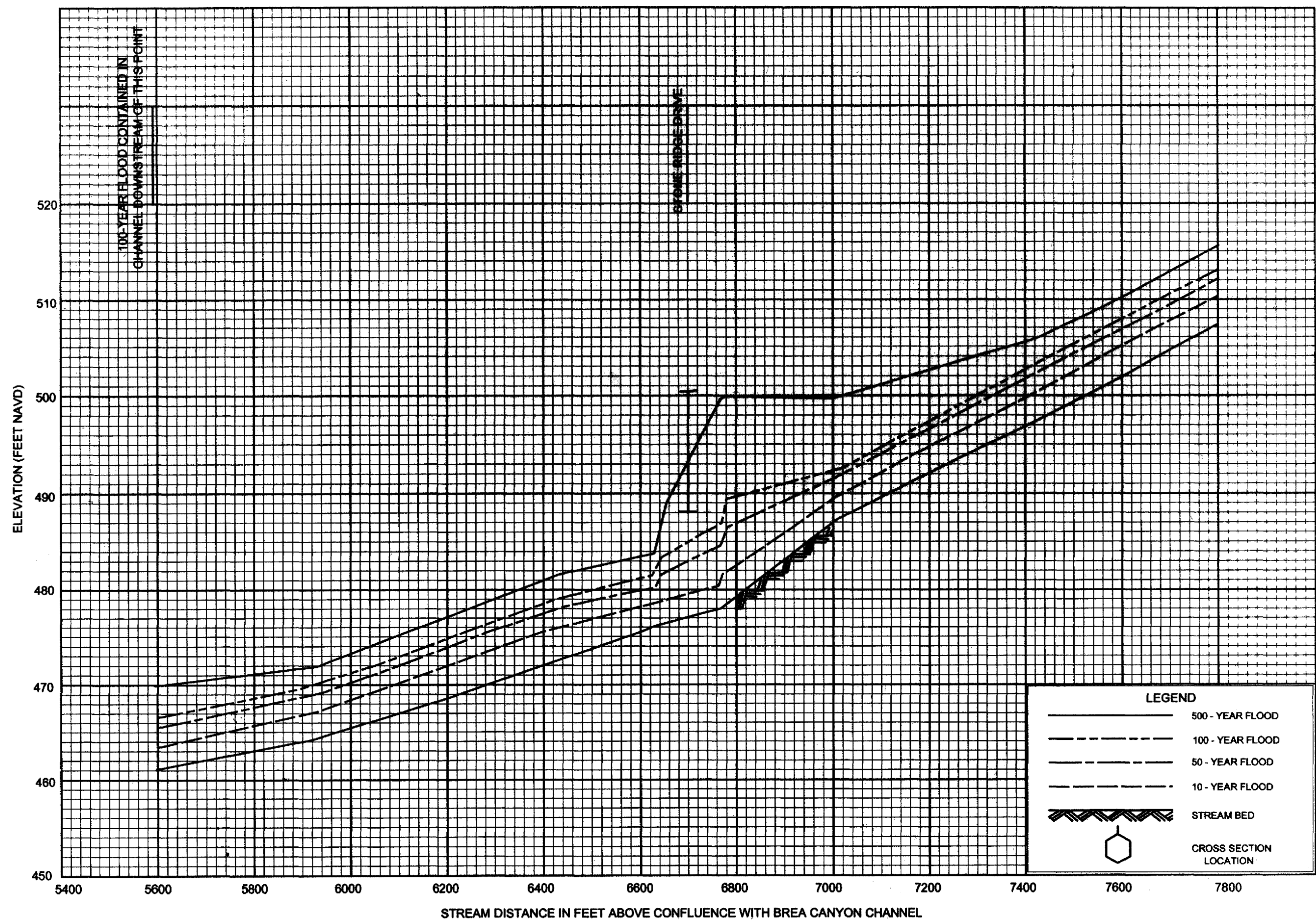


FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

FLOOD PROFILES

LOFTUS DIVERSION CHANNEL

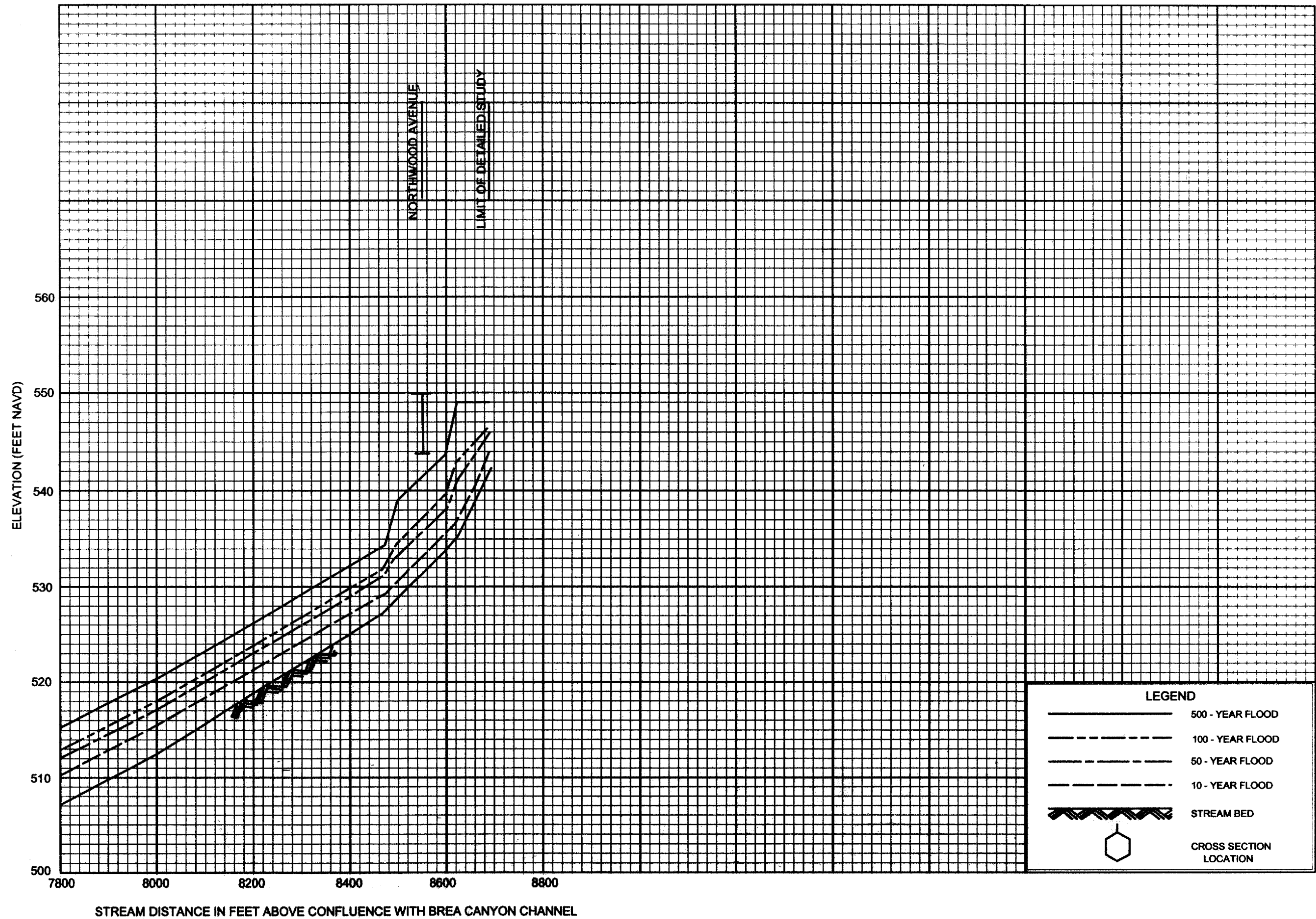


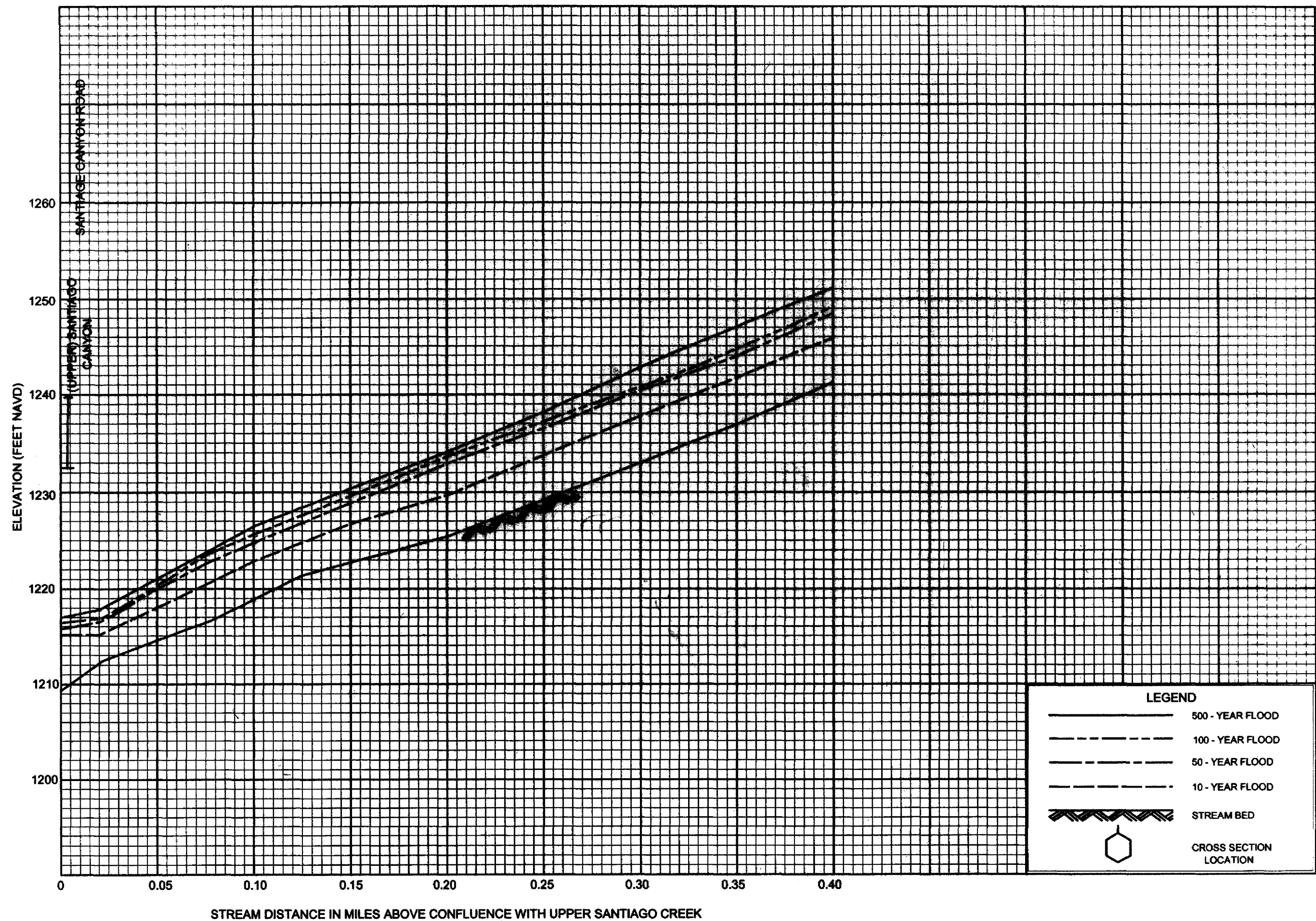
FLOOD PROFILES

MEMORY GARDEN STORM CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS





FLOOD PROFILES

MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

89P

ELEVATION (FEET NAVD)

1280
1270
1260
1250
1240
1230

0.40 0.45 0.50 0.55 0.60 0.65

STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH UPPER SANTIAGO CREEK

MODJESKA CANYON ROAD

LEGEND

- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

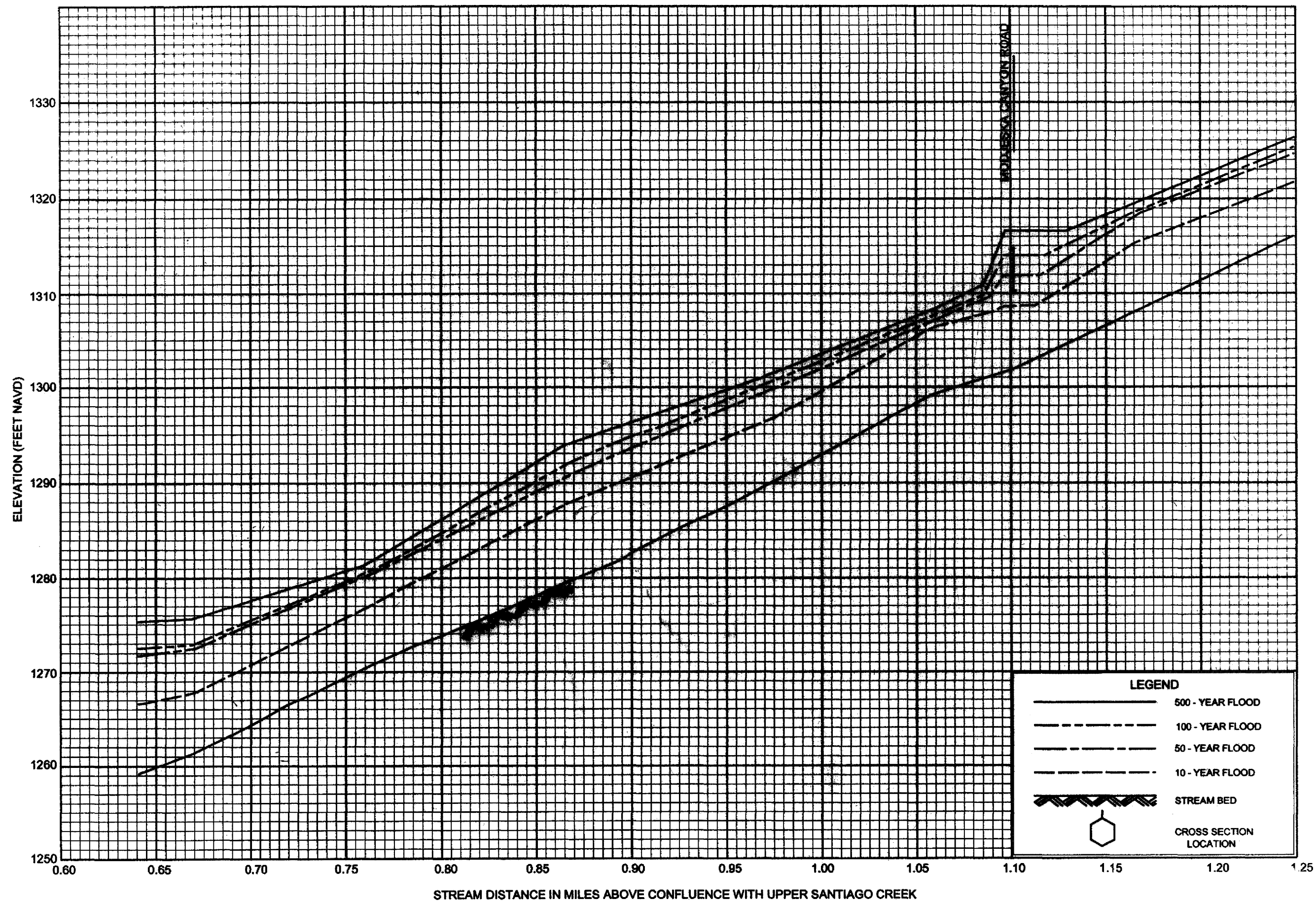
FLOOD PROFILES

MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

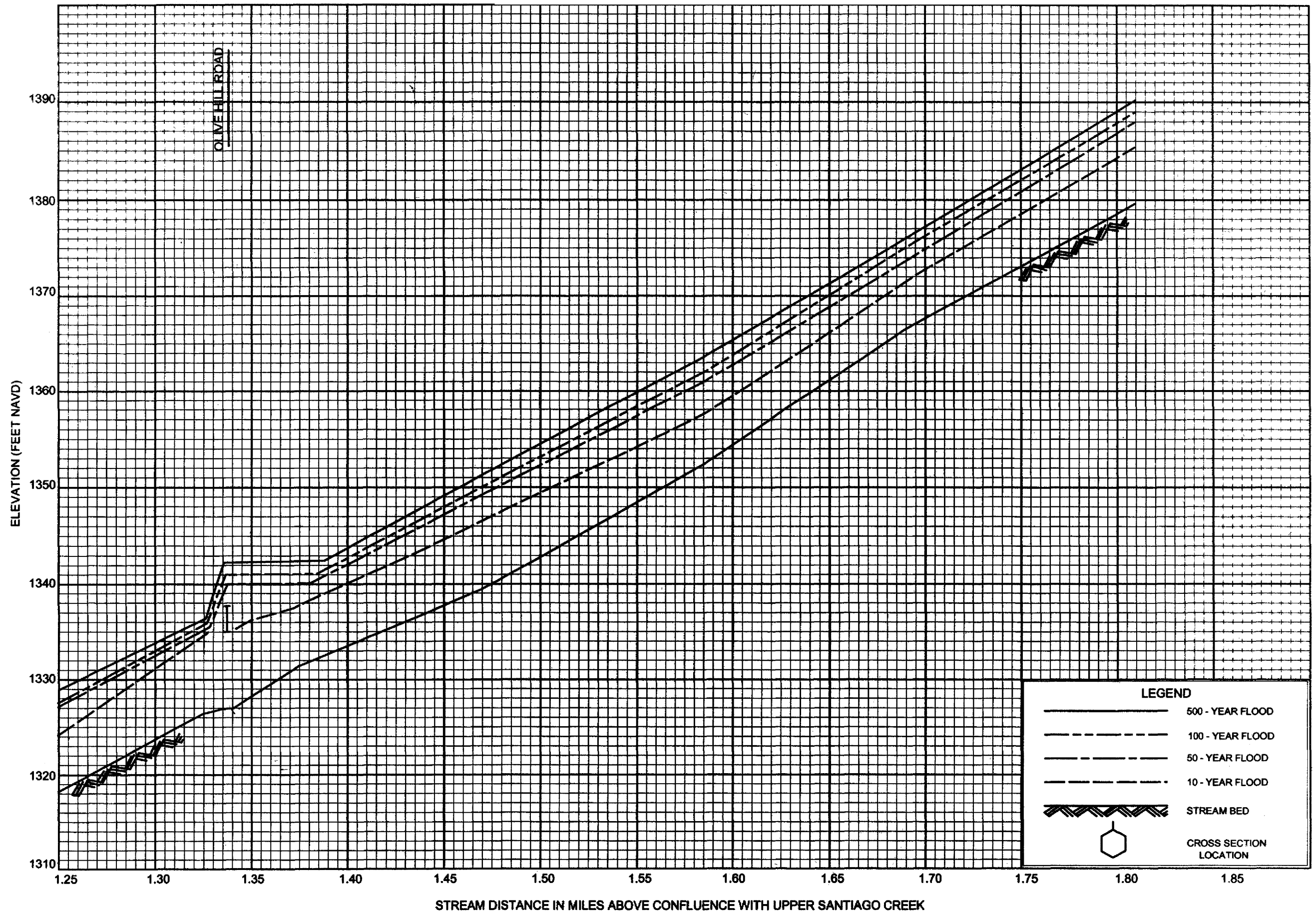
ORANGE COUNTY, CA
AND INCORPORATED AREAS

90P



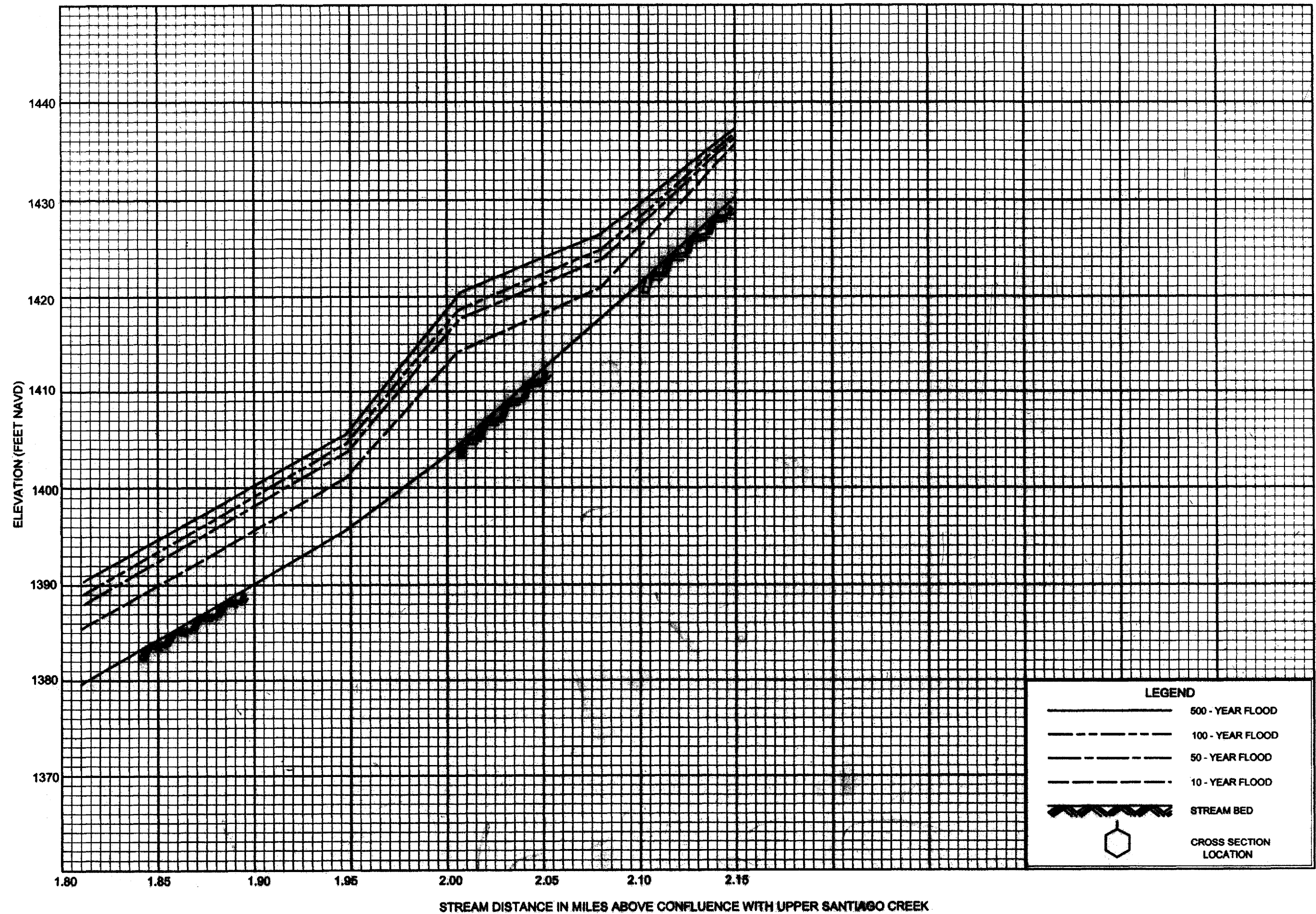
FLOOD PROFILES
MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES
MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES
MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES

MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

ELEVATION (FEET NAVD)



LEGEND

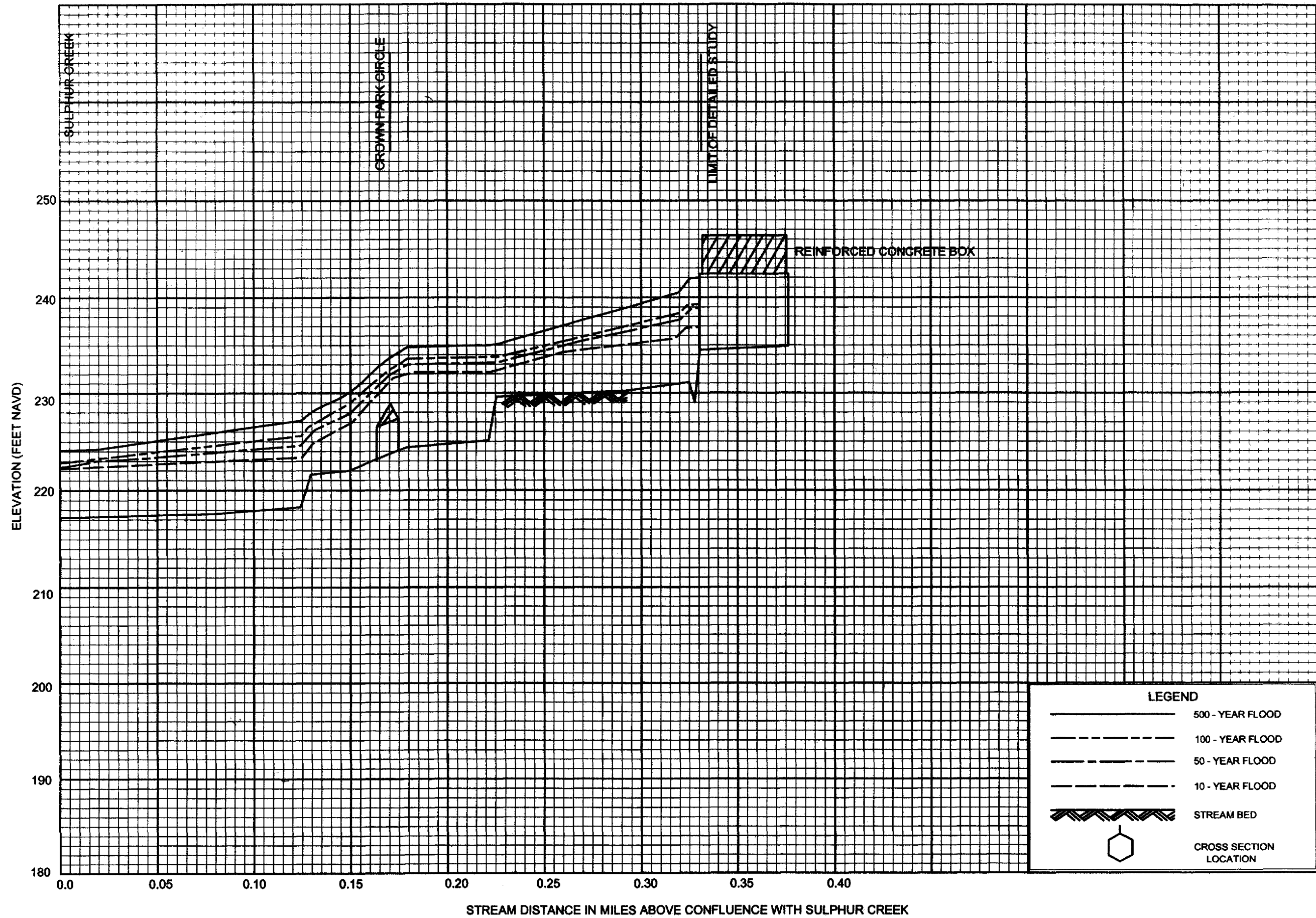
- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

FLOOD PROFILES

NIGUEL CANYON (EMERALD BAY CHANNEL)

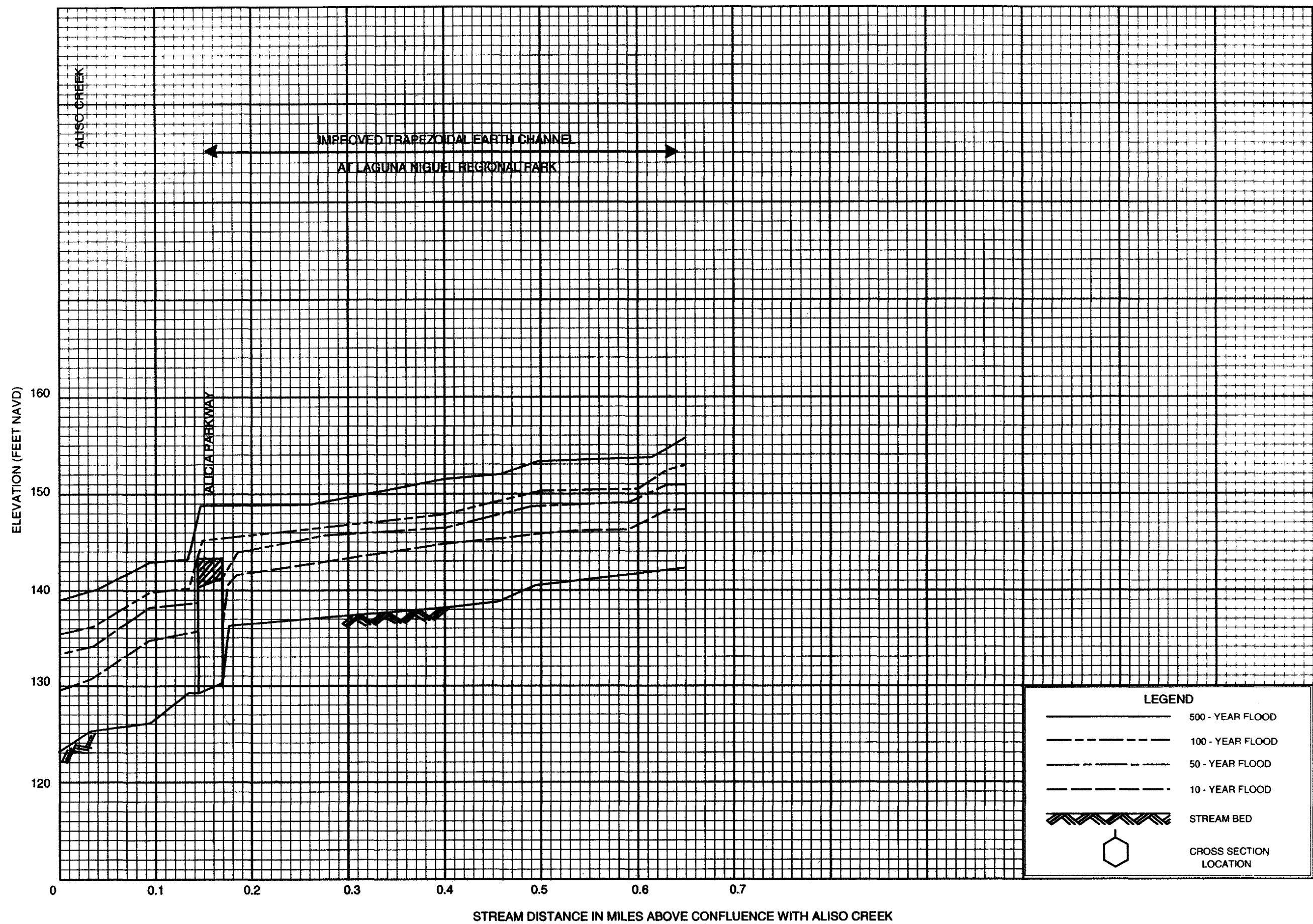


FLOOD PROFILES

NIGUEL STORM DRAIN (J03P01)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES

(NORTH SULPHUR CREEK) NARCO CHANNEL (J04)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS