FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 2 OF 3



ORANGE COUNTY, CALIFORNIA

AND INCORPORATED AREAS

COMMUNITY NAME	NUMBER	COMMUNITY NAME	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 (UNINCORPORATED AREAS)	060212
DANA POINT, CITY OF	060736	PLACENTIA, CITY OF	060229
FOUNTAIN VALLEY, CITY OF	060218	RANCHO SANTA MARGARITA, CITY OF	060769
FULLERTON, CITY OF	060219	SAN CLEMENTE, CITY OF	060230
GARDEN GROVE, CITY OF	060220	SAN JUAN CAPISTRANO, CITY OF	060231
HUNTINGTON BEACH, CITY OF	065034	SANTA ANA, CITY OF	060232
IRVINE, CITY OF	060222	SEAL BEACH, CITY OF	060233
LA HABRA, CITY OF	060224	STANTON, CITY OF	060234
LA PALMA, CITY OF[1]	060225	TUSTIN, CITY OF	060235
LAGUNA BEACH, CITY OF	060223	VILLA PARK, CITY OF	060236
LAGUNA HILLS, CITY OF	060760	WESTMINSTER, CITY OF	060237
LAGUNA NIGUEL, CITY OF	060764	YORBA LINDA, CITY OF	060238
LAGUNA WOODS, CITY OF	060768		

[1]No Special Flood Hazard Areas Identified

REVISED:

MARCH 21, 2019

FLOOD INSURANCE STUDY NUMBER
06059CV002C

Version Number 2.3.3.1

FEMA

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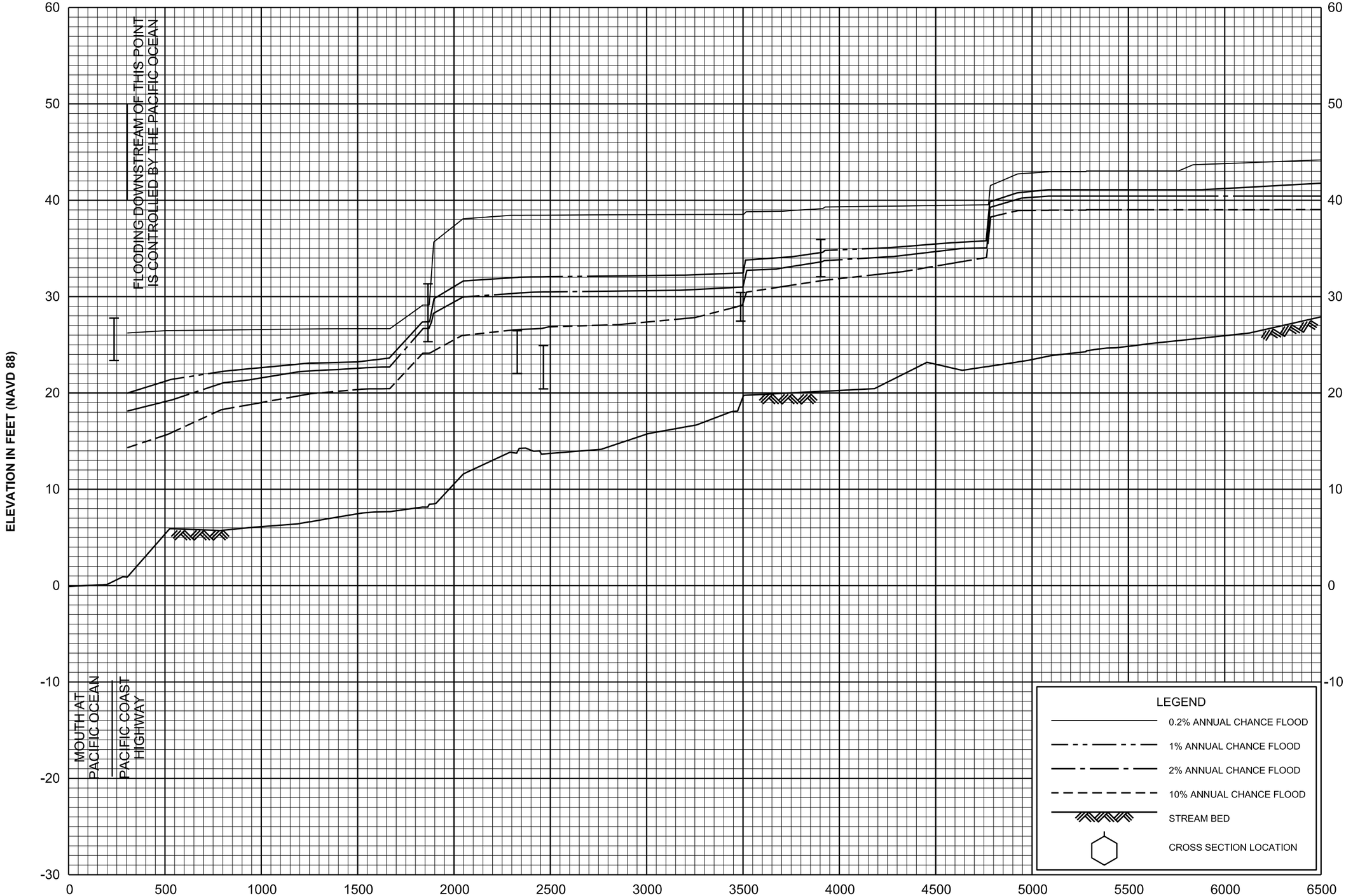
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Flood Insurance Rate Map (FIRM)



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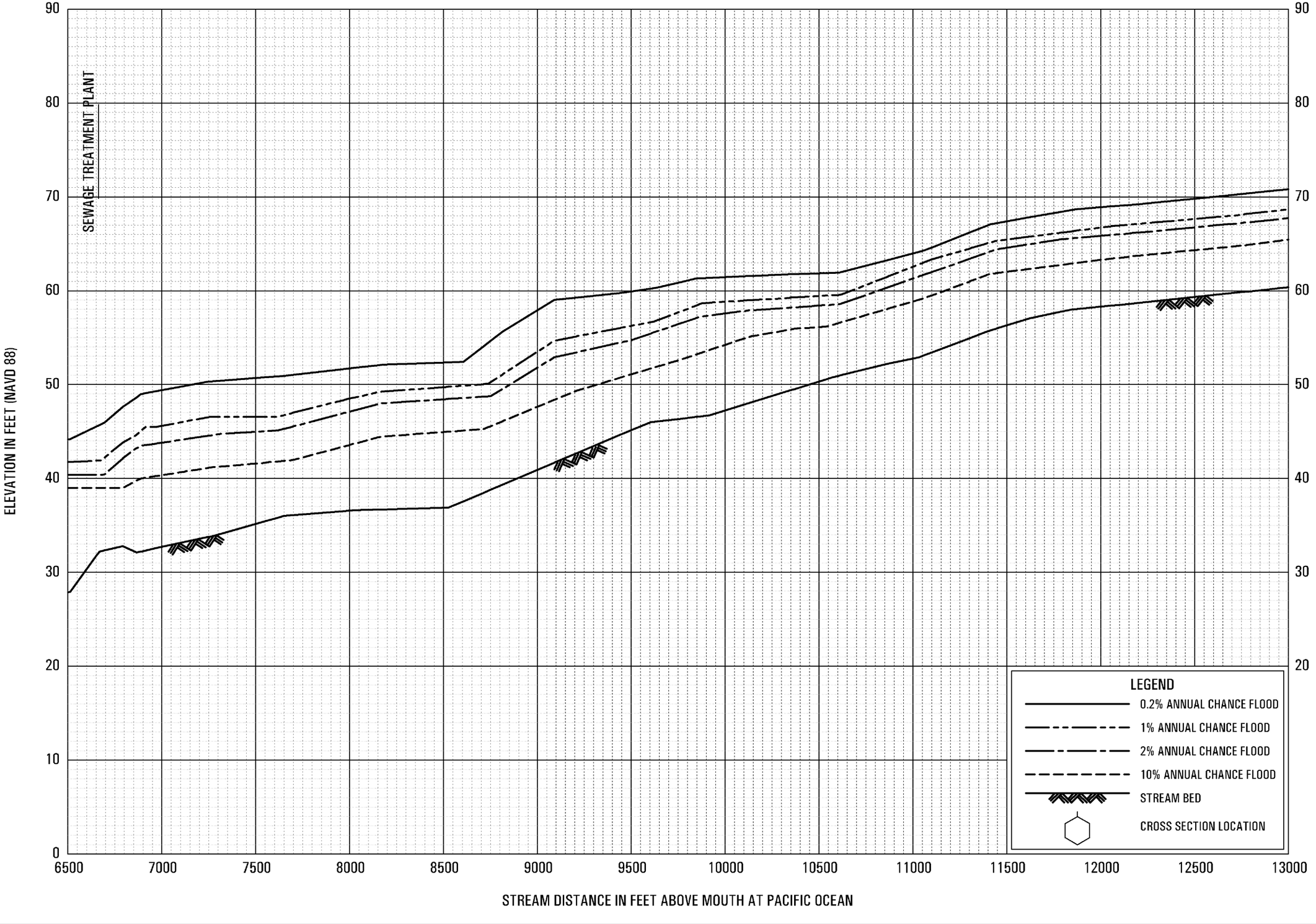
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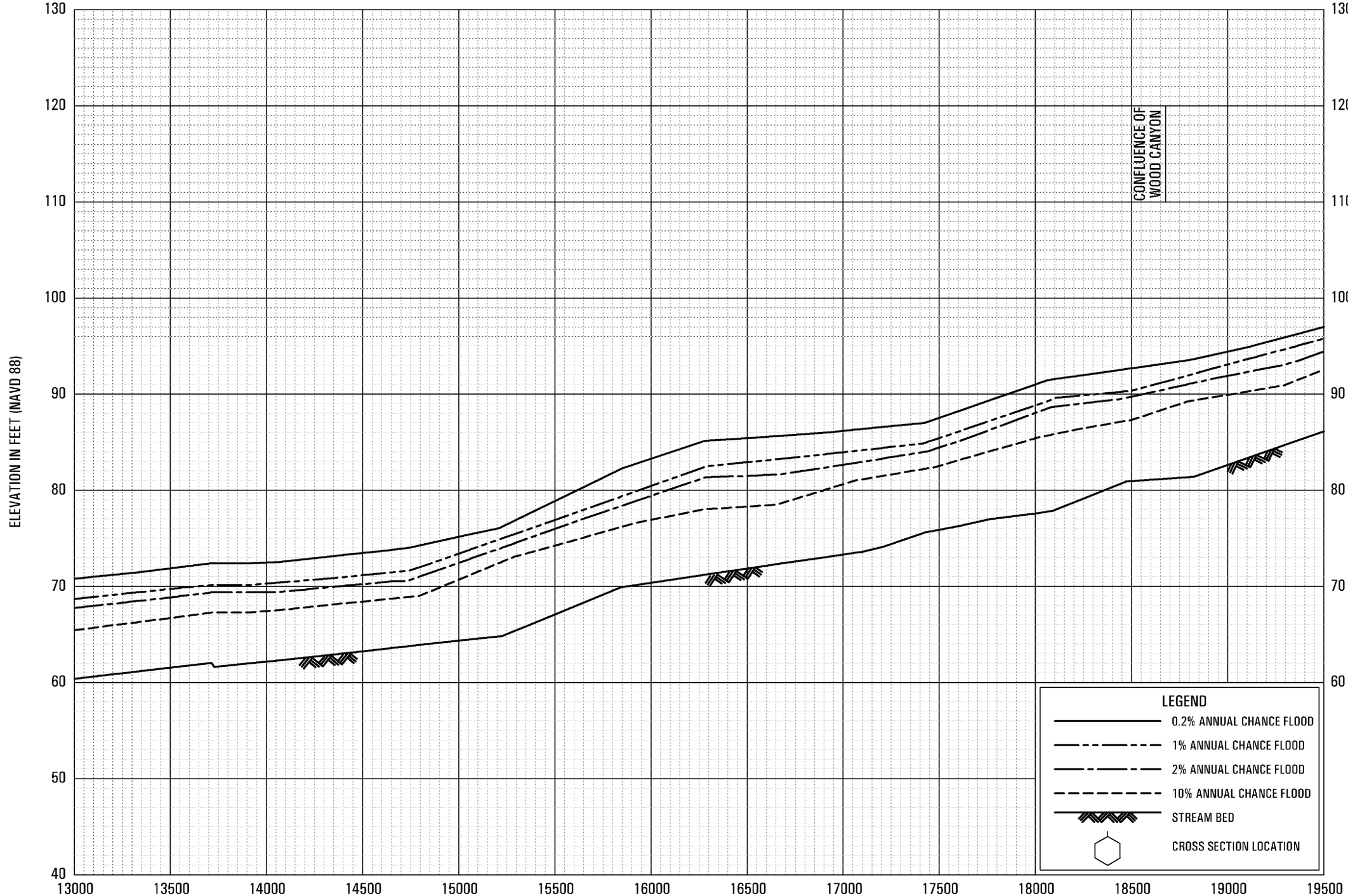
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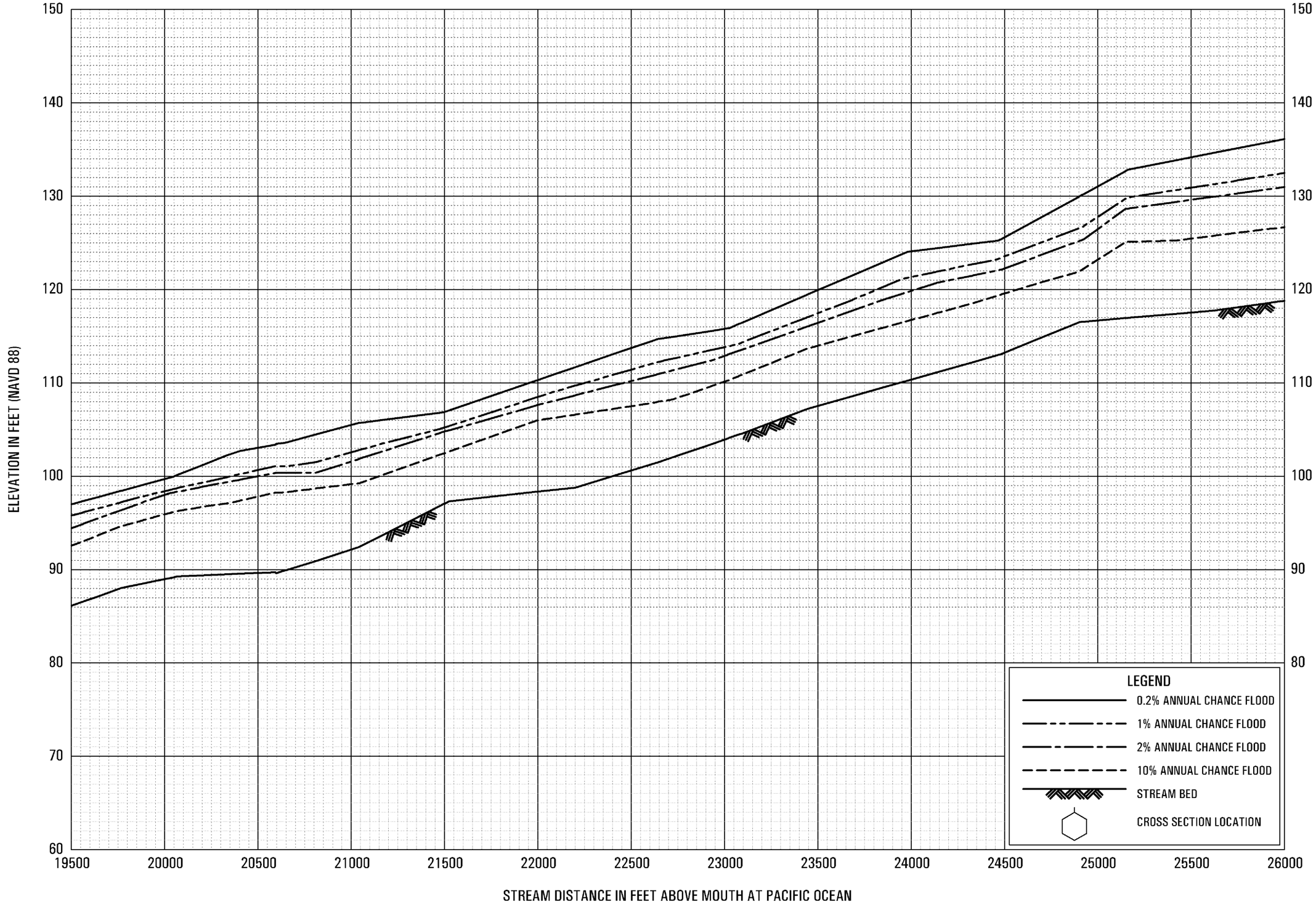
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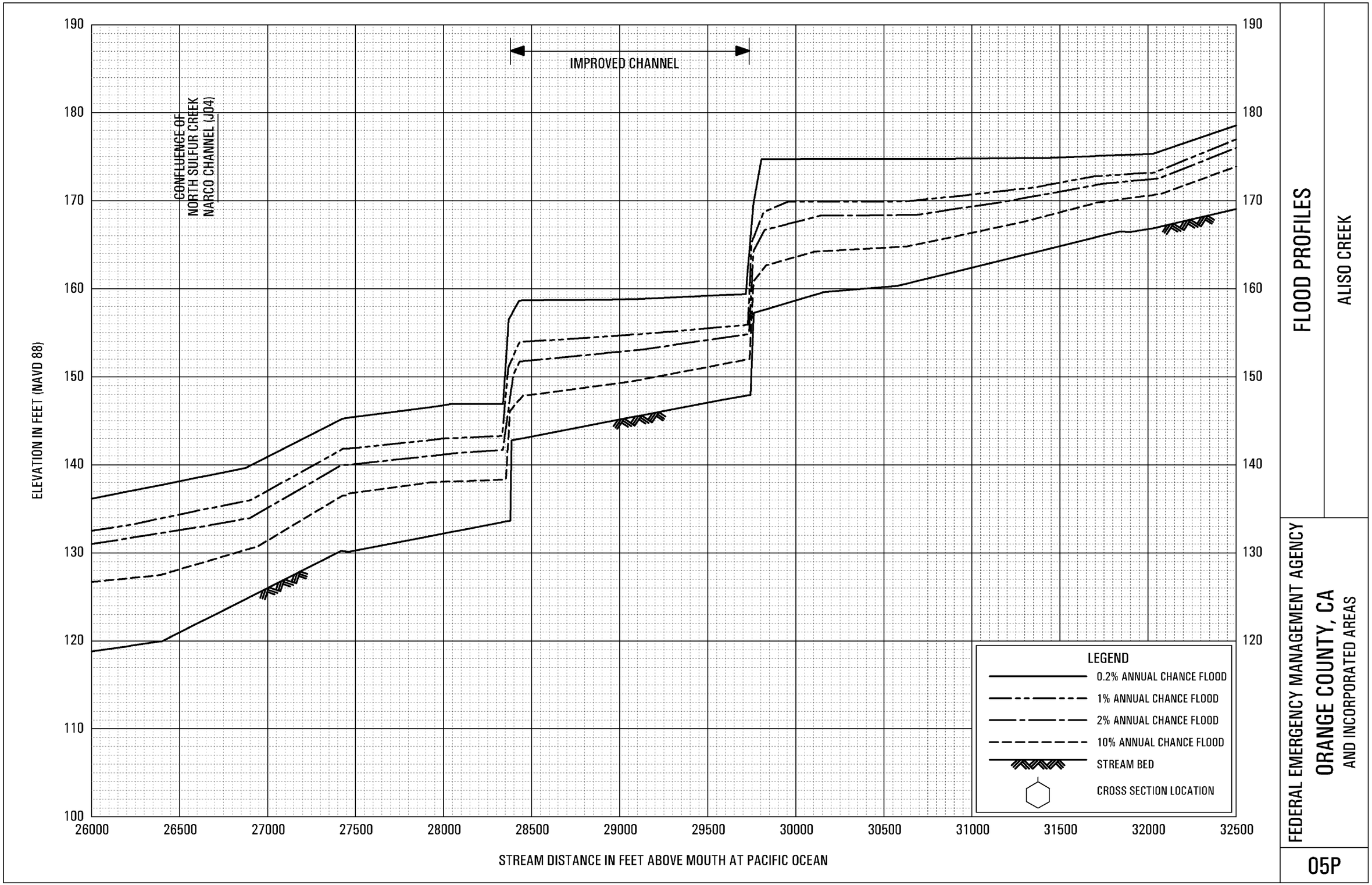
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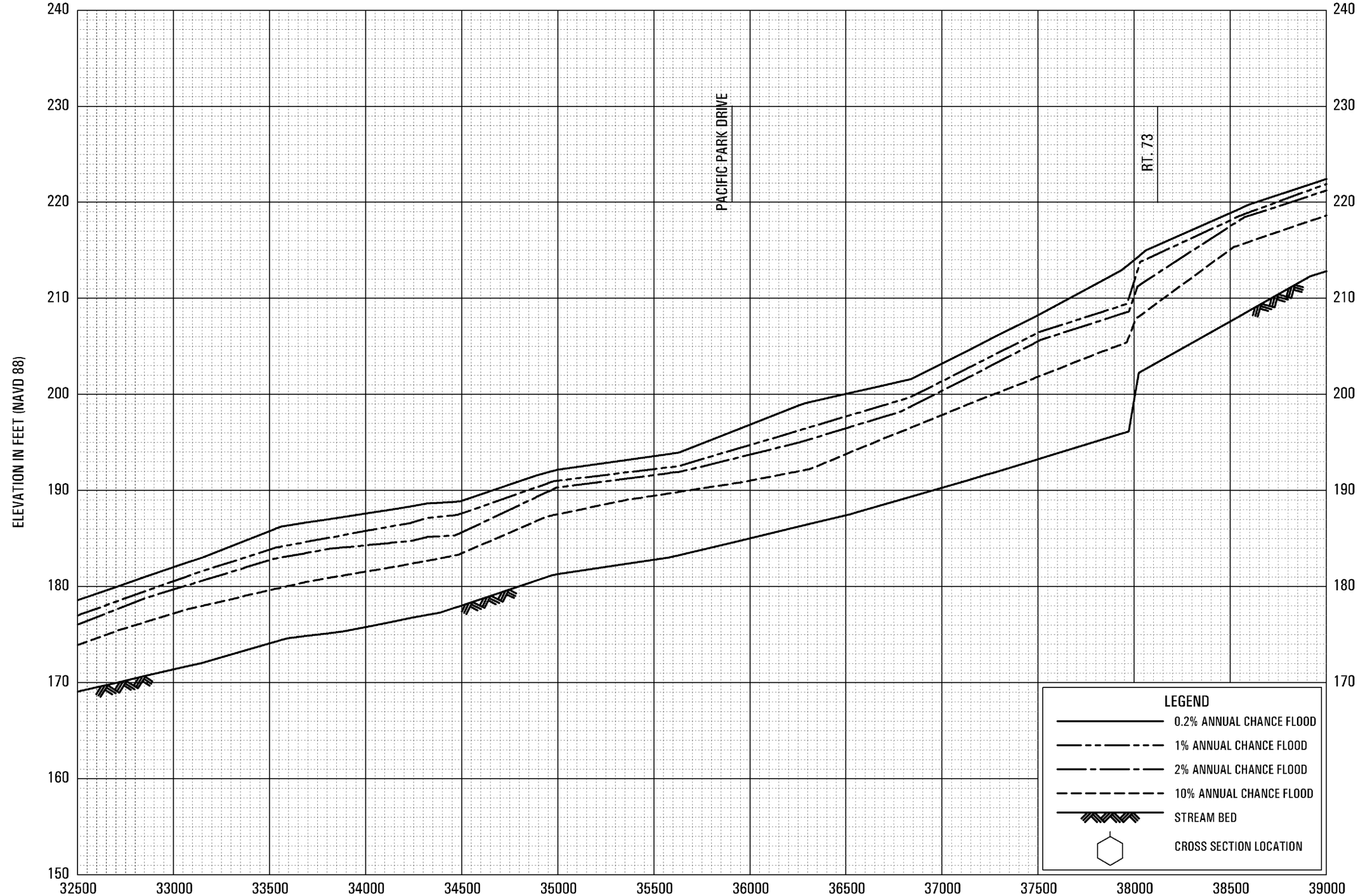
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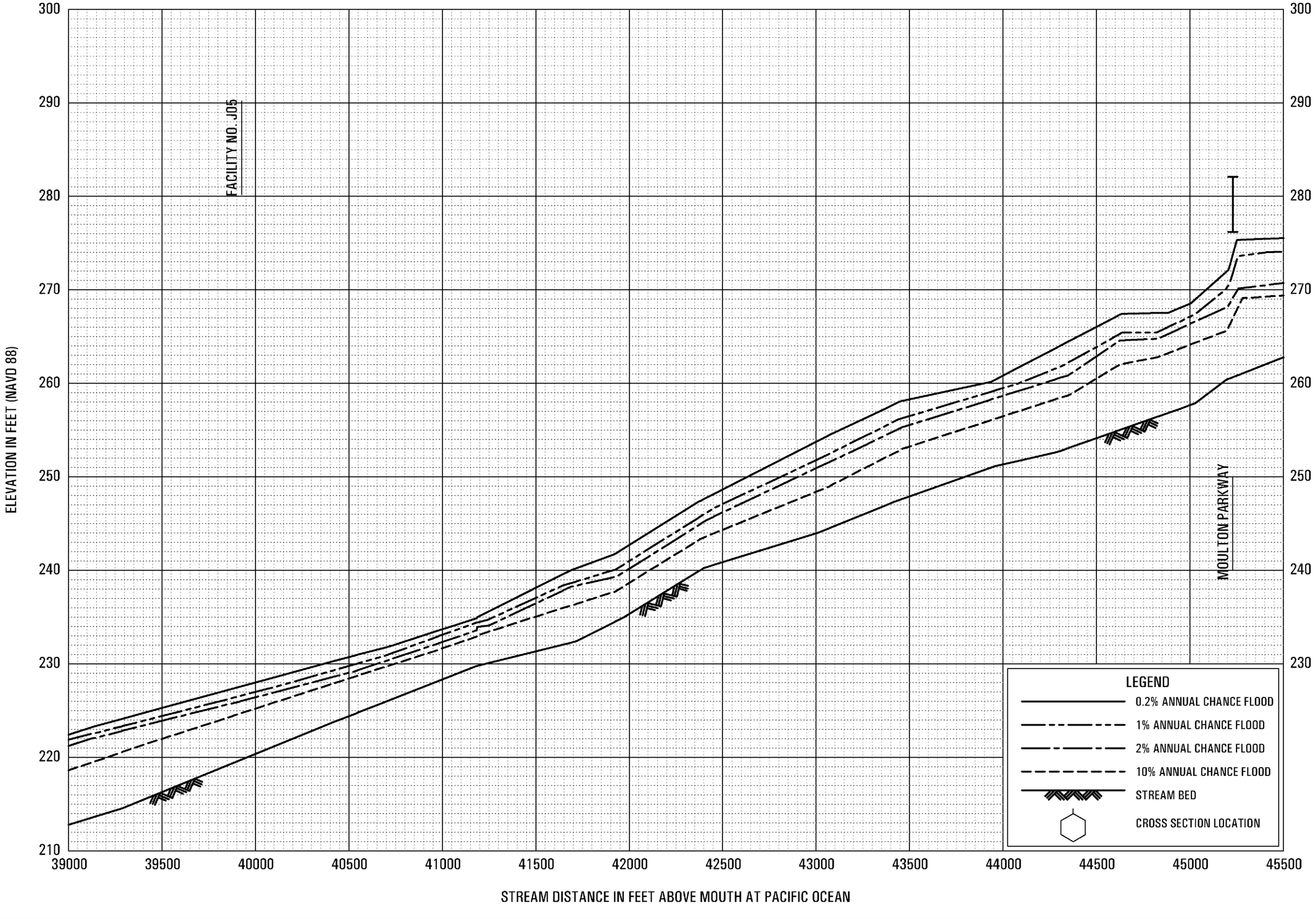
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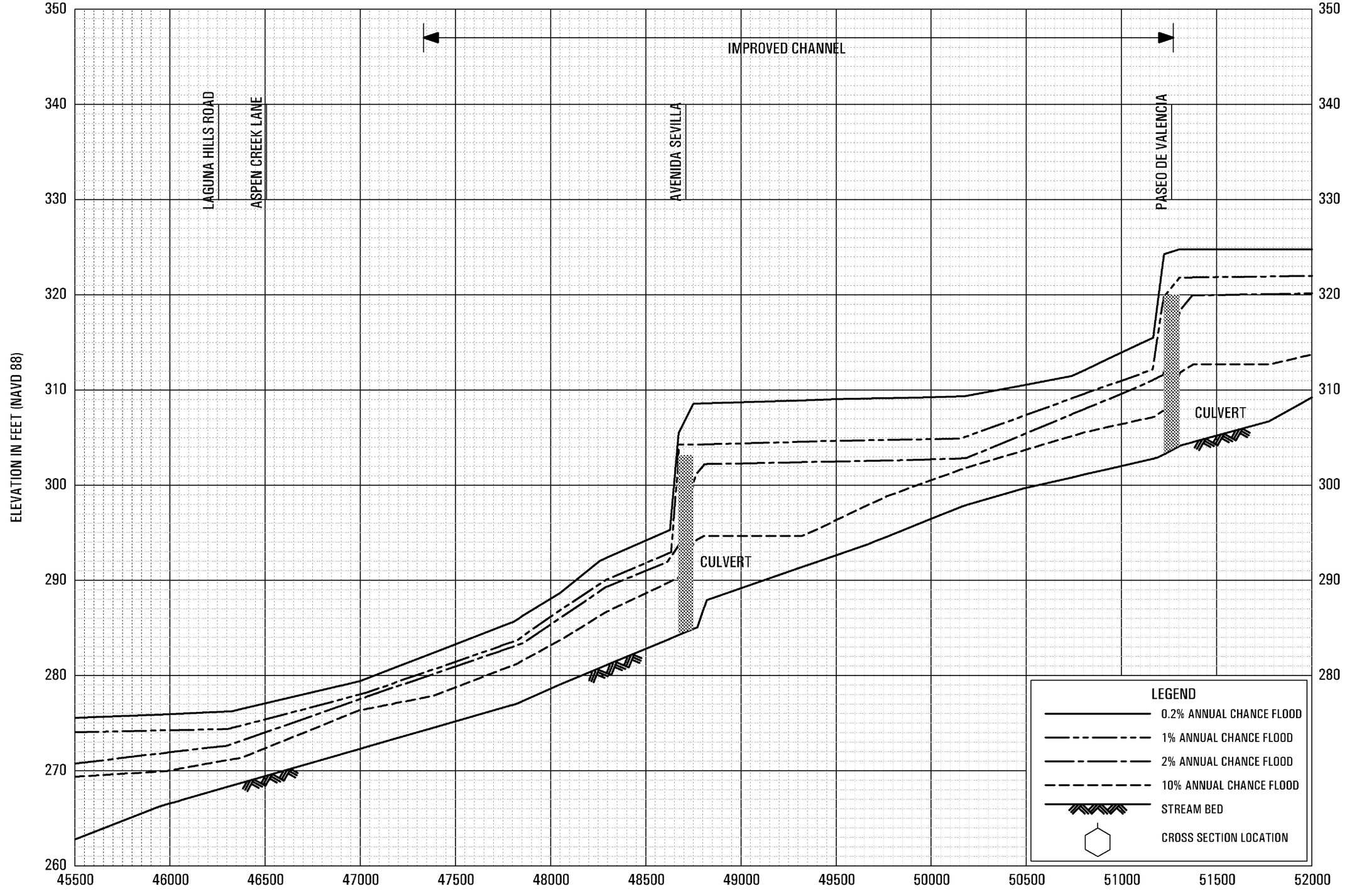
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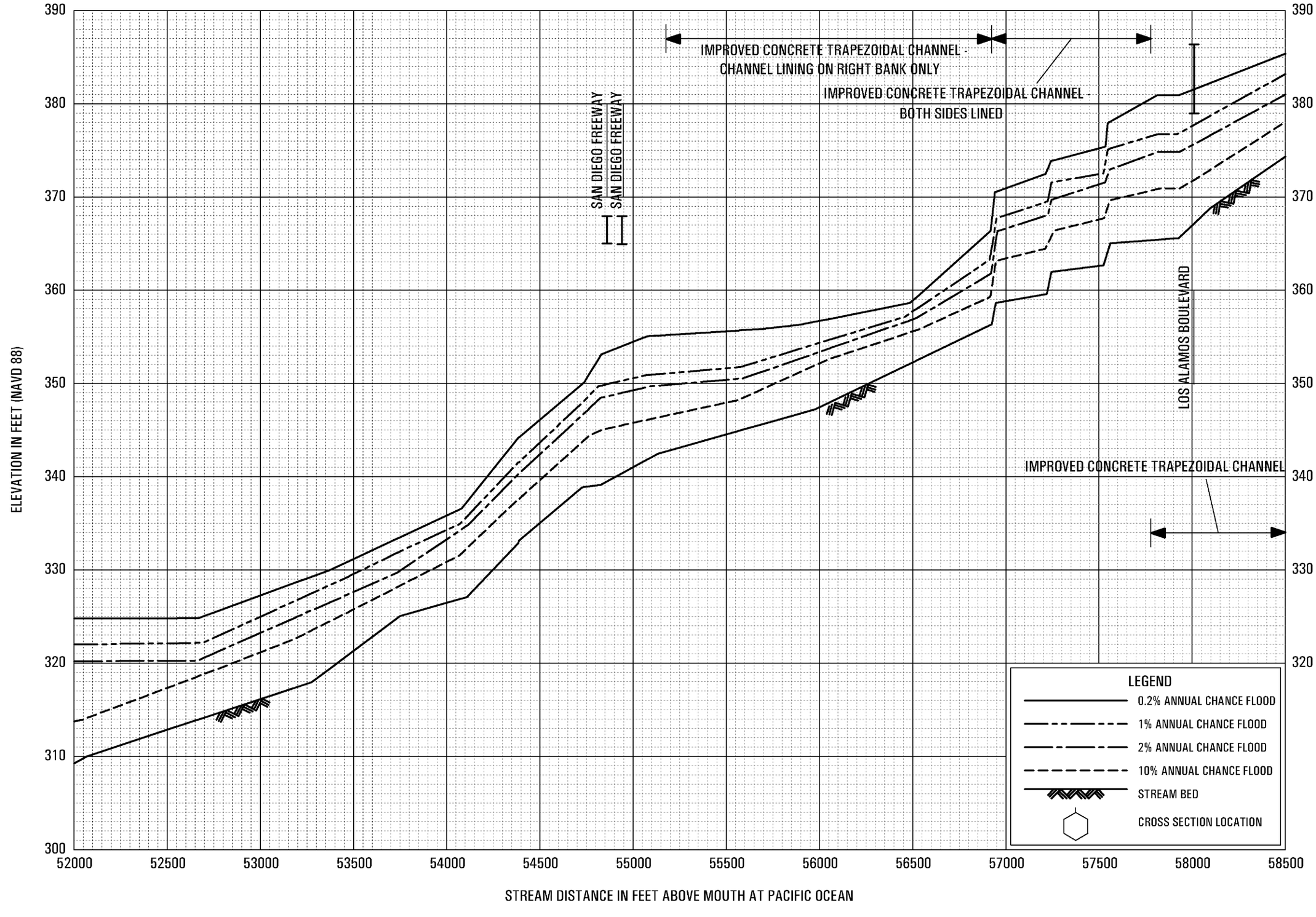
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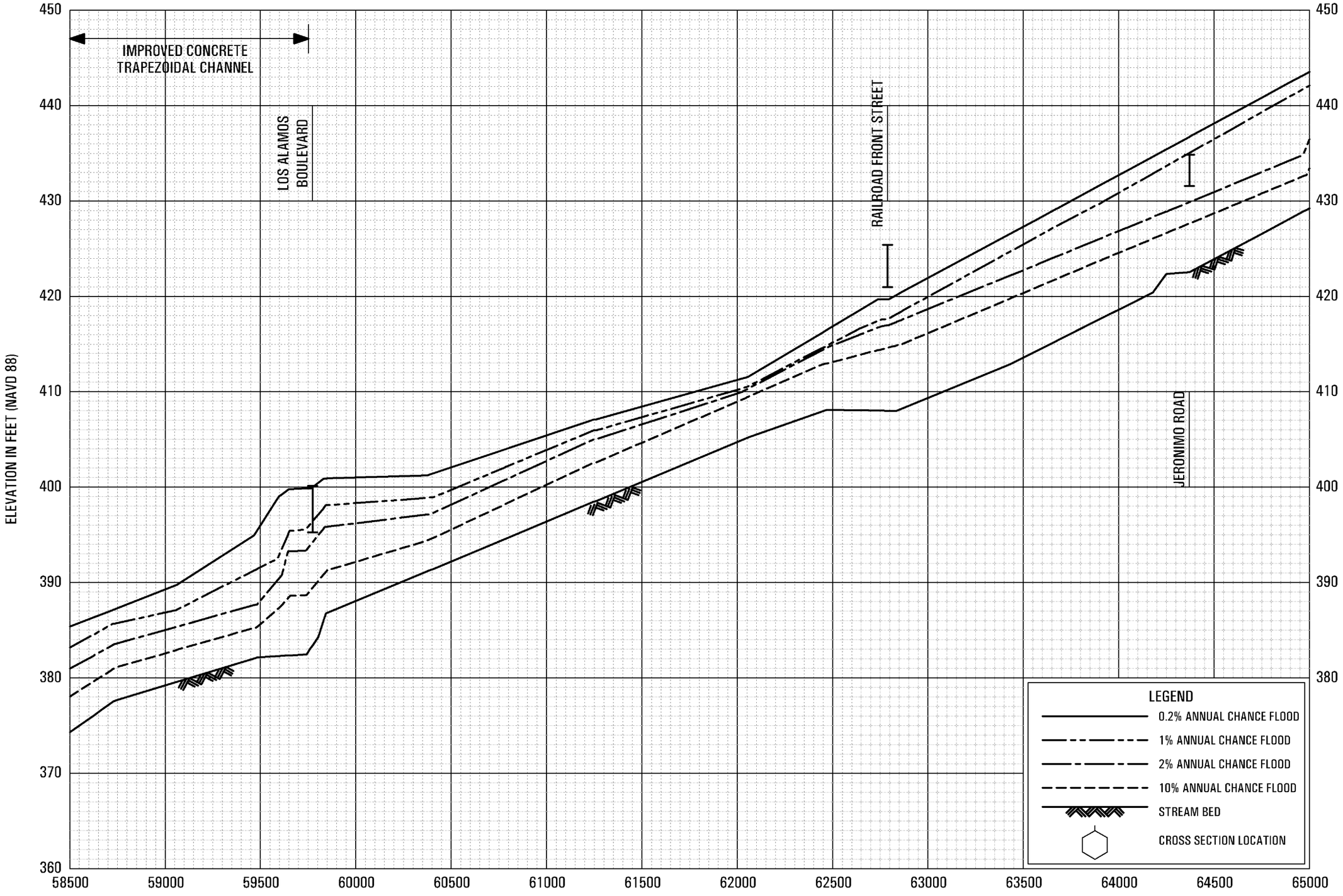
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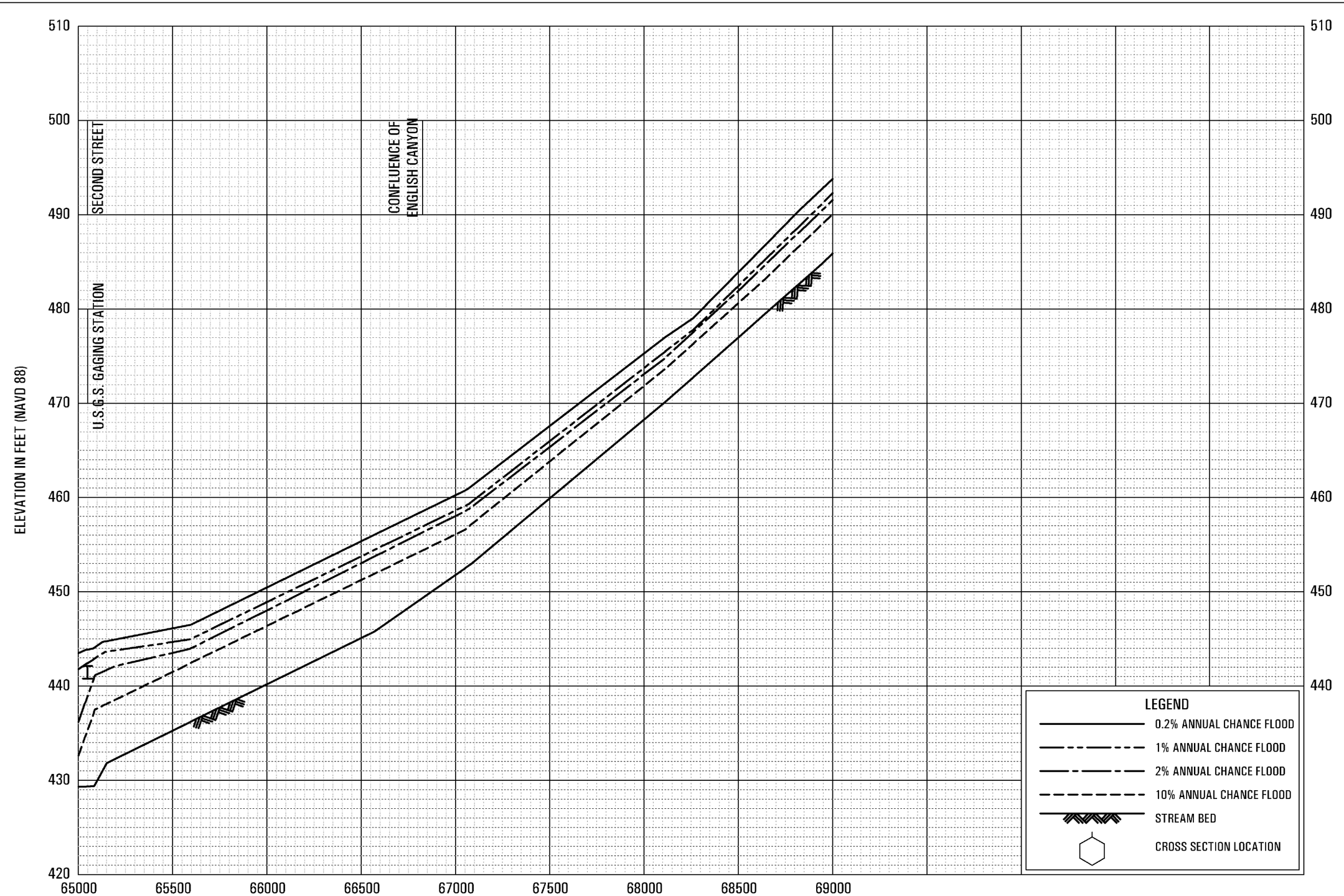
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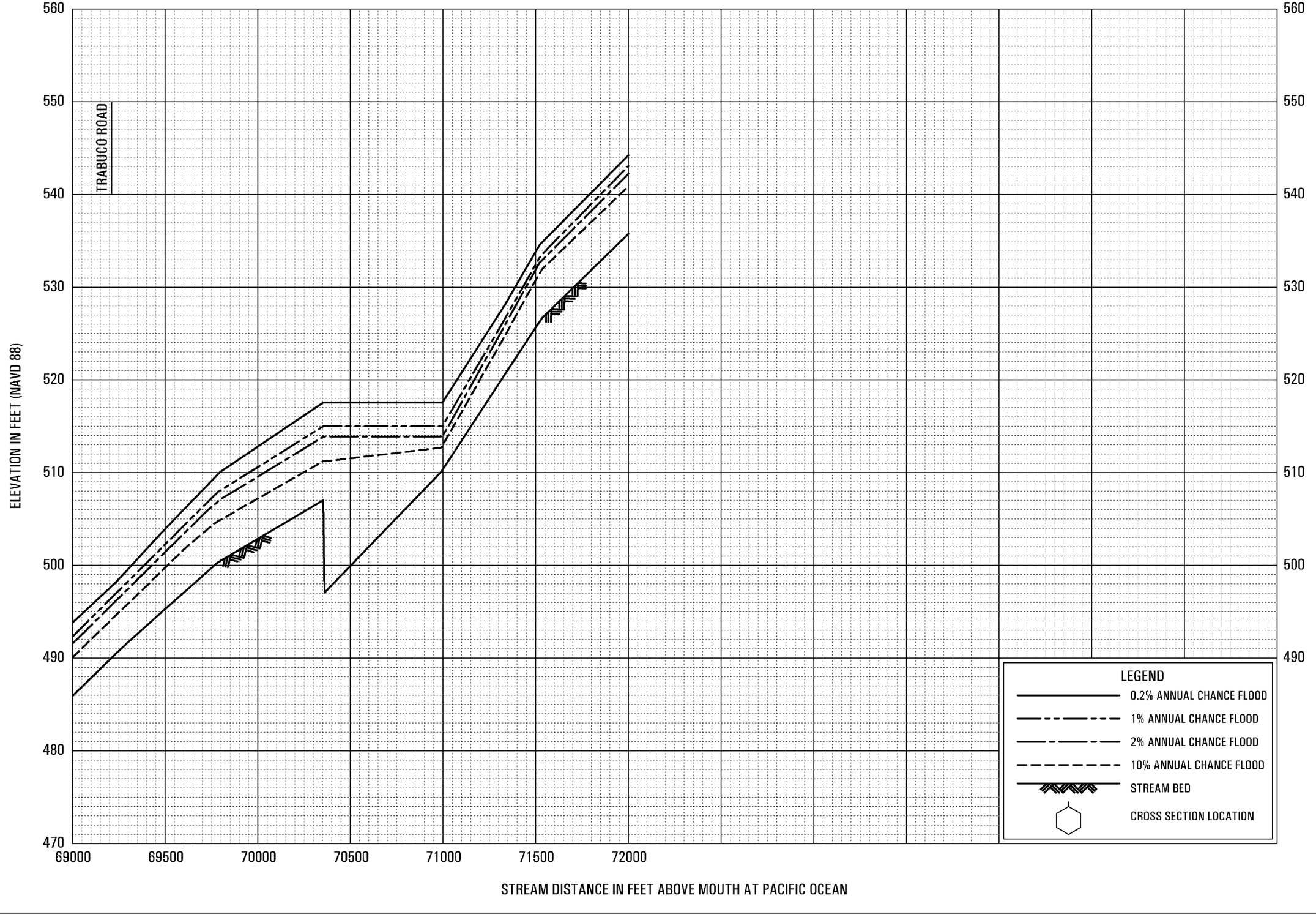
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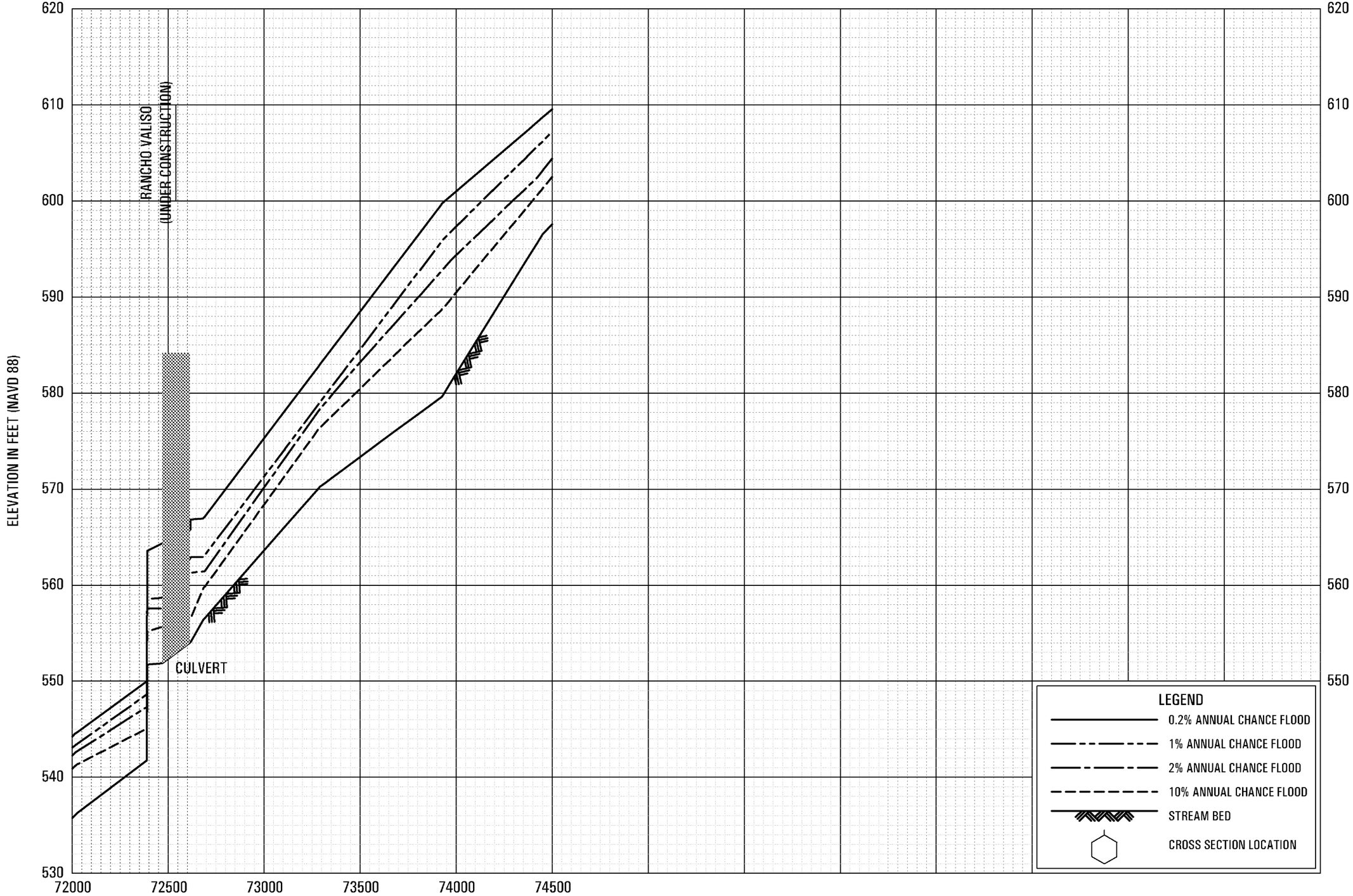
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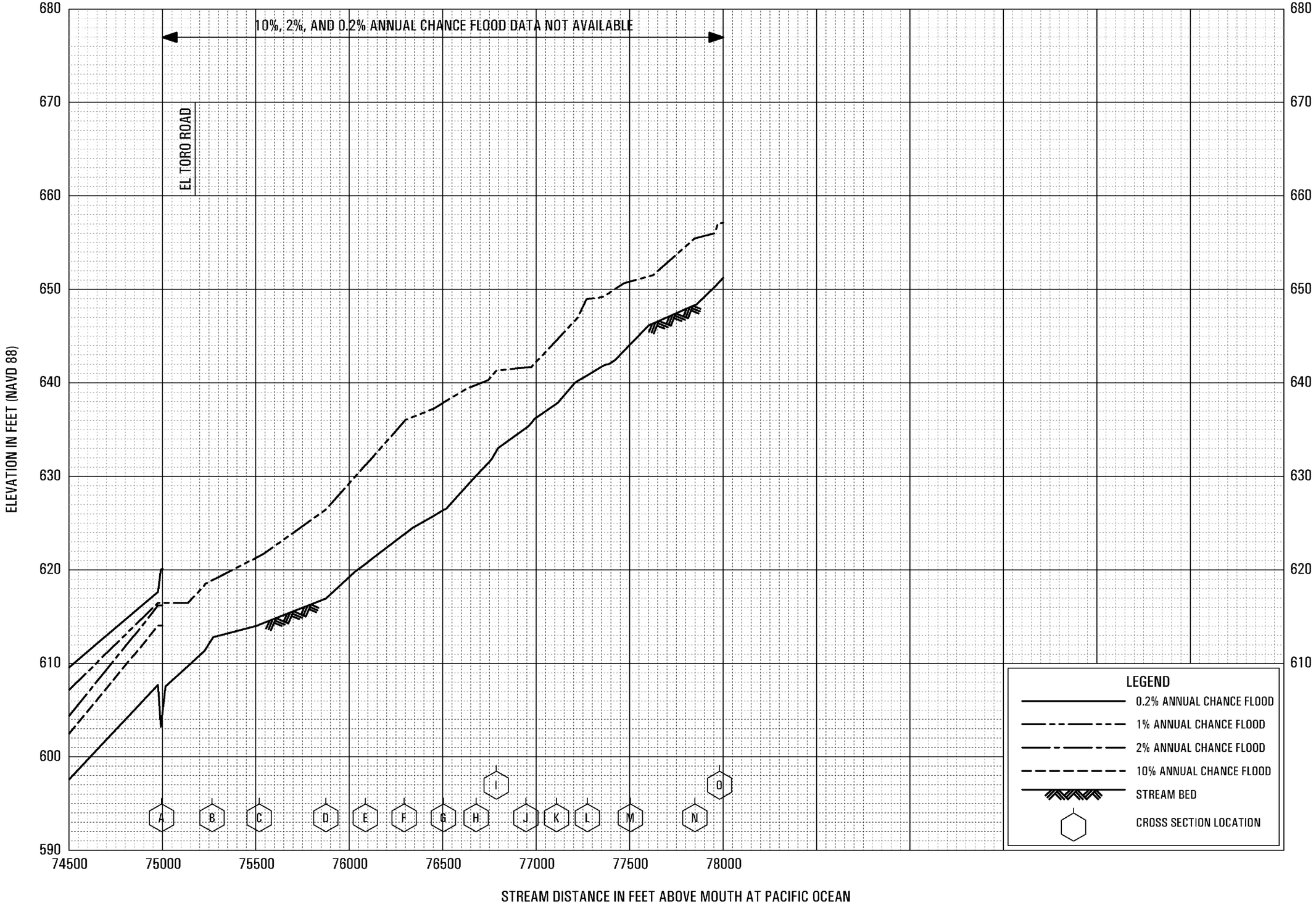


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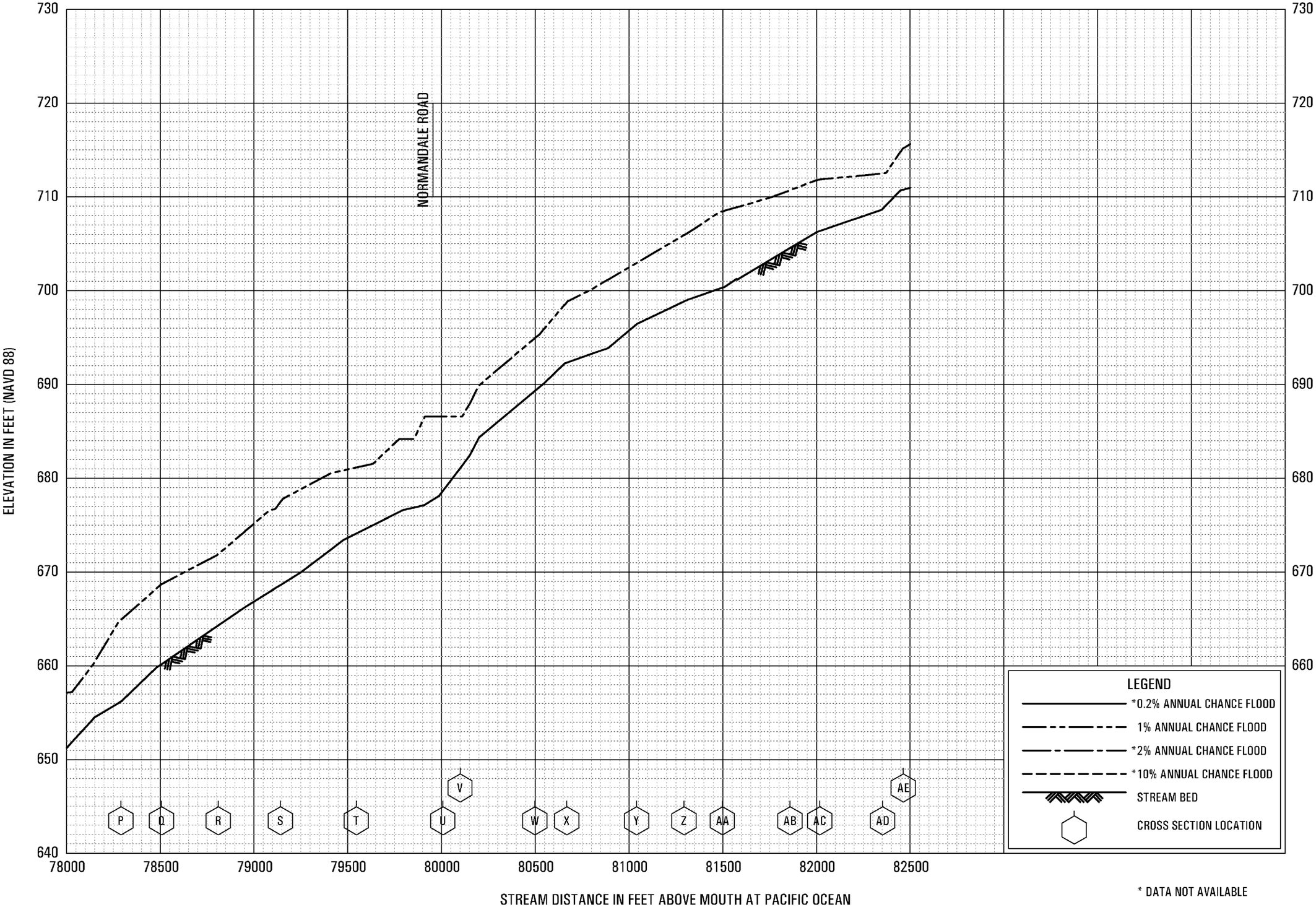
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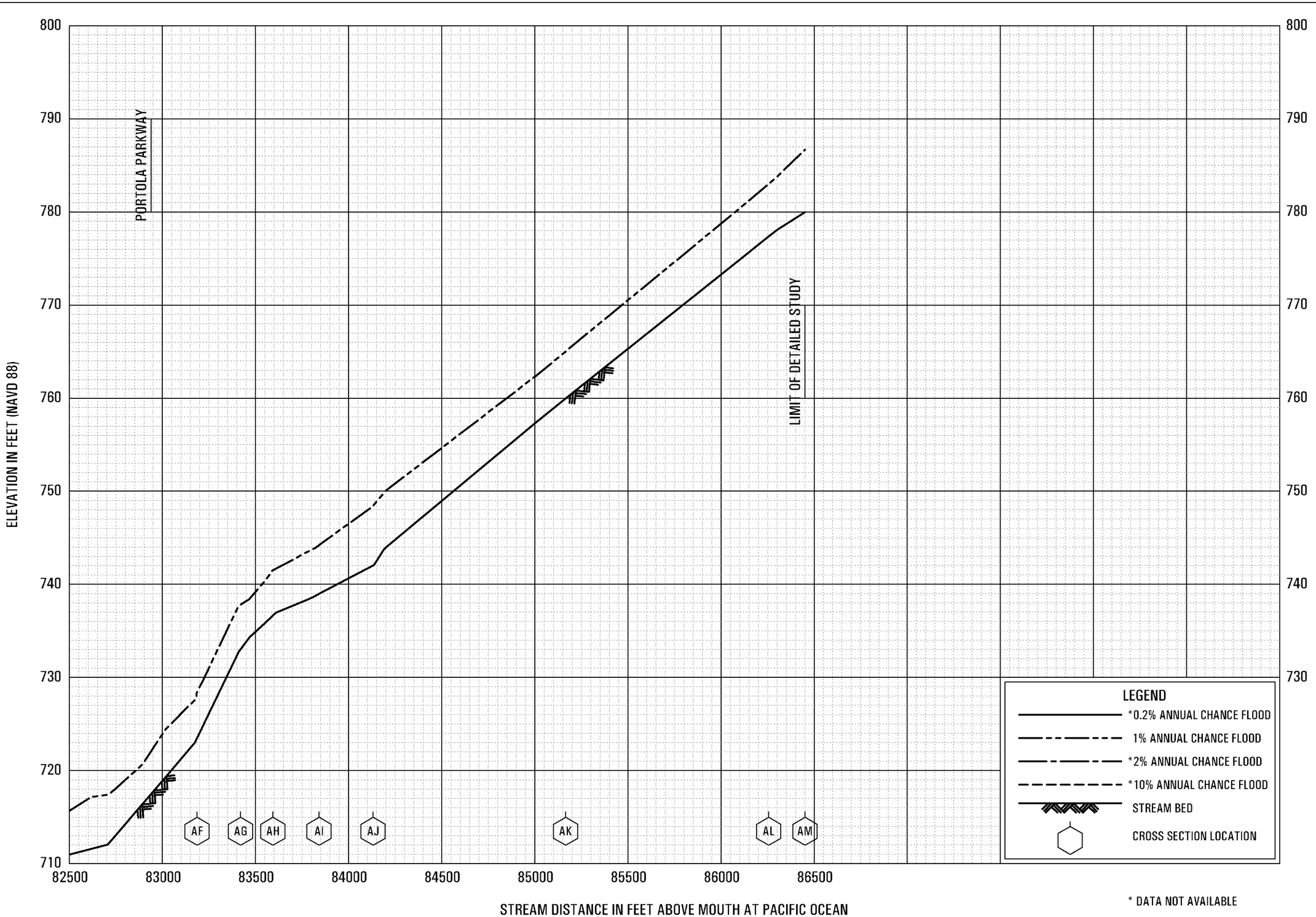
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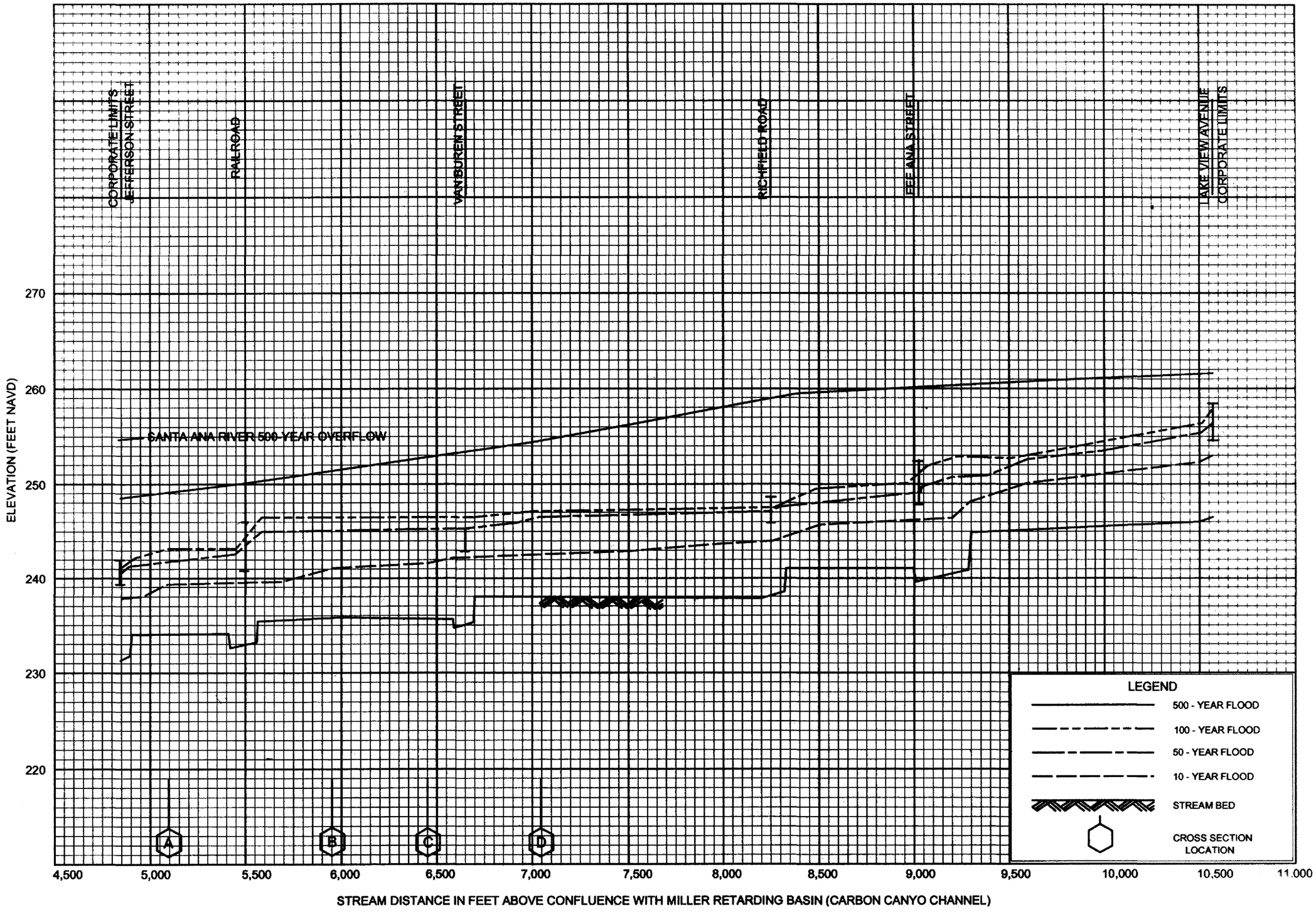
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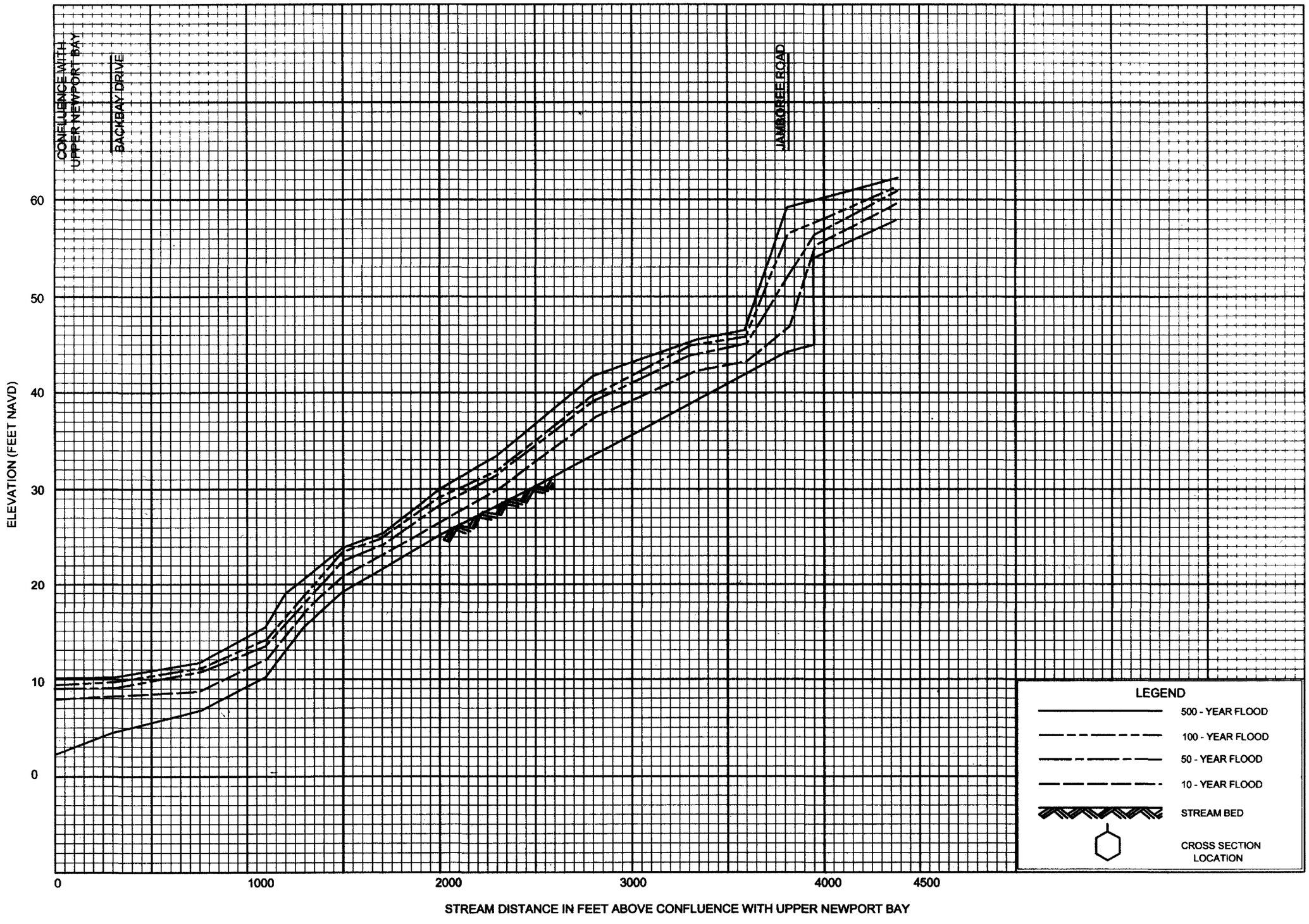
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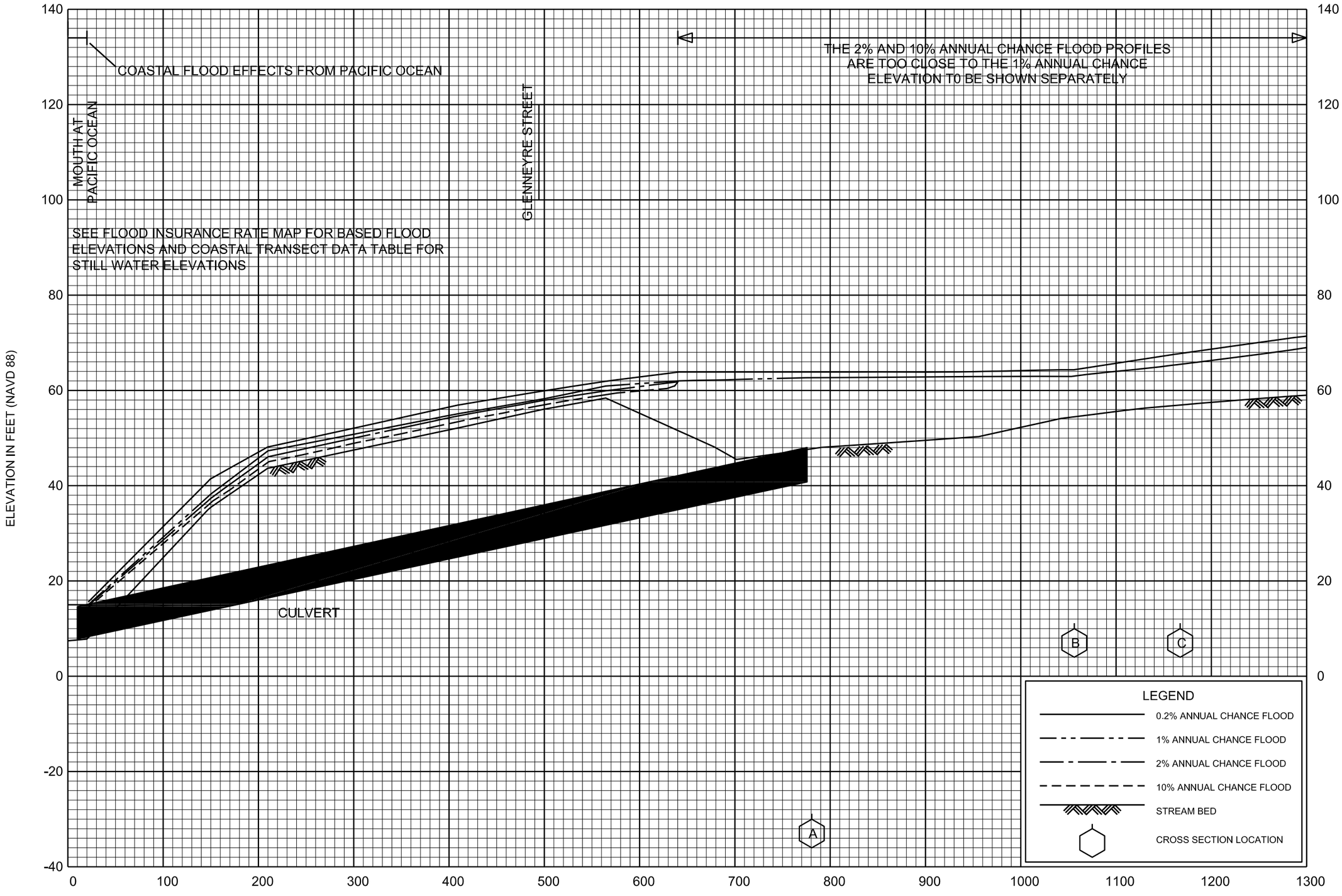


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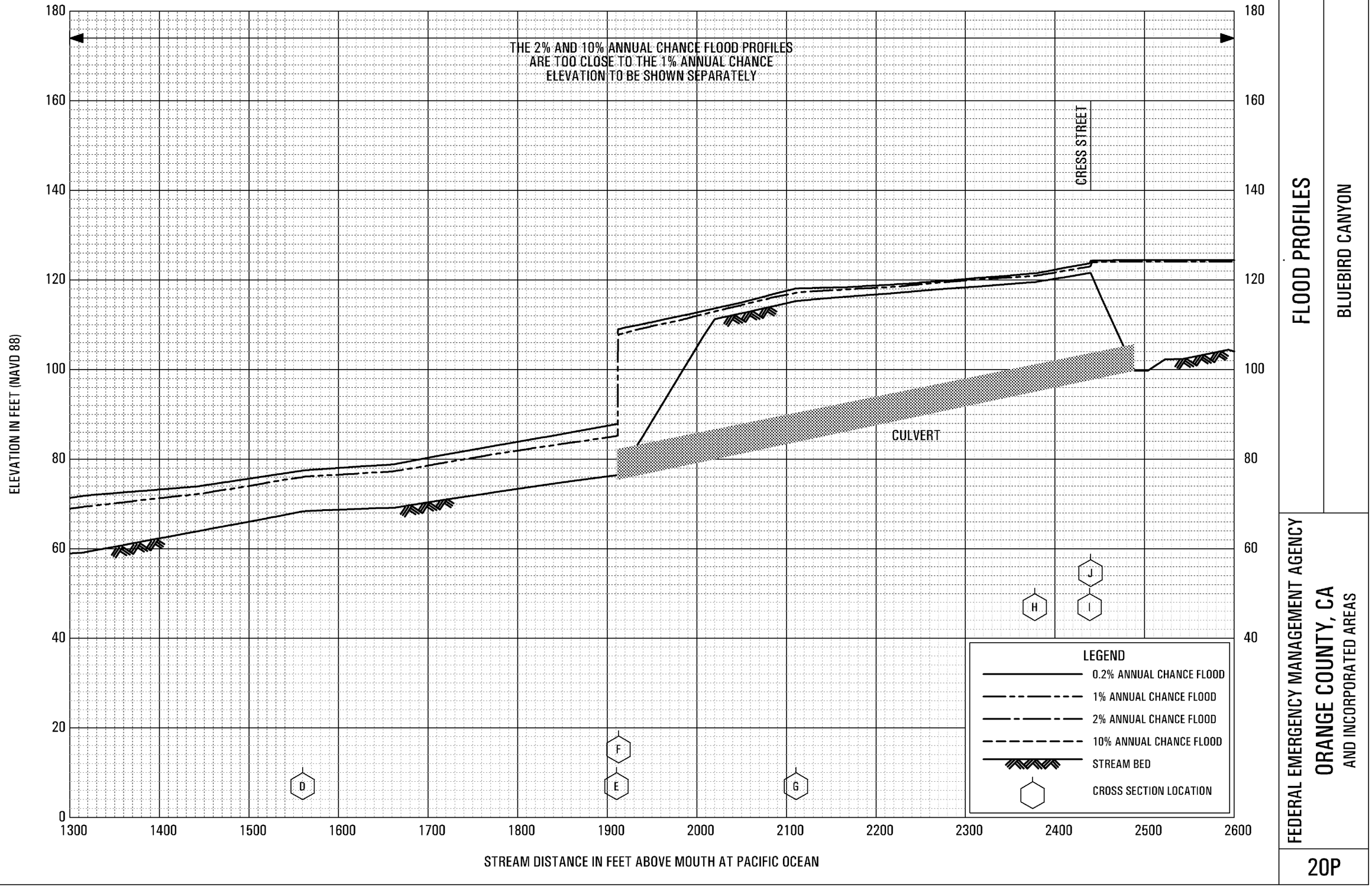
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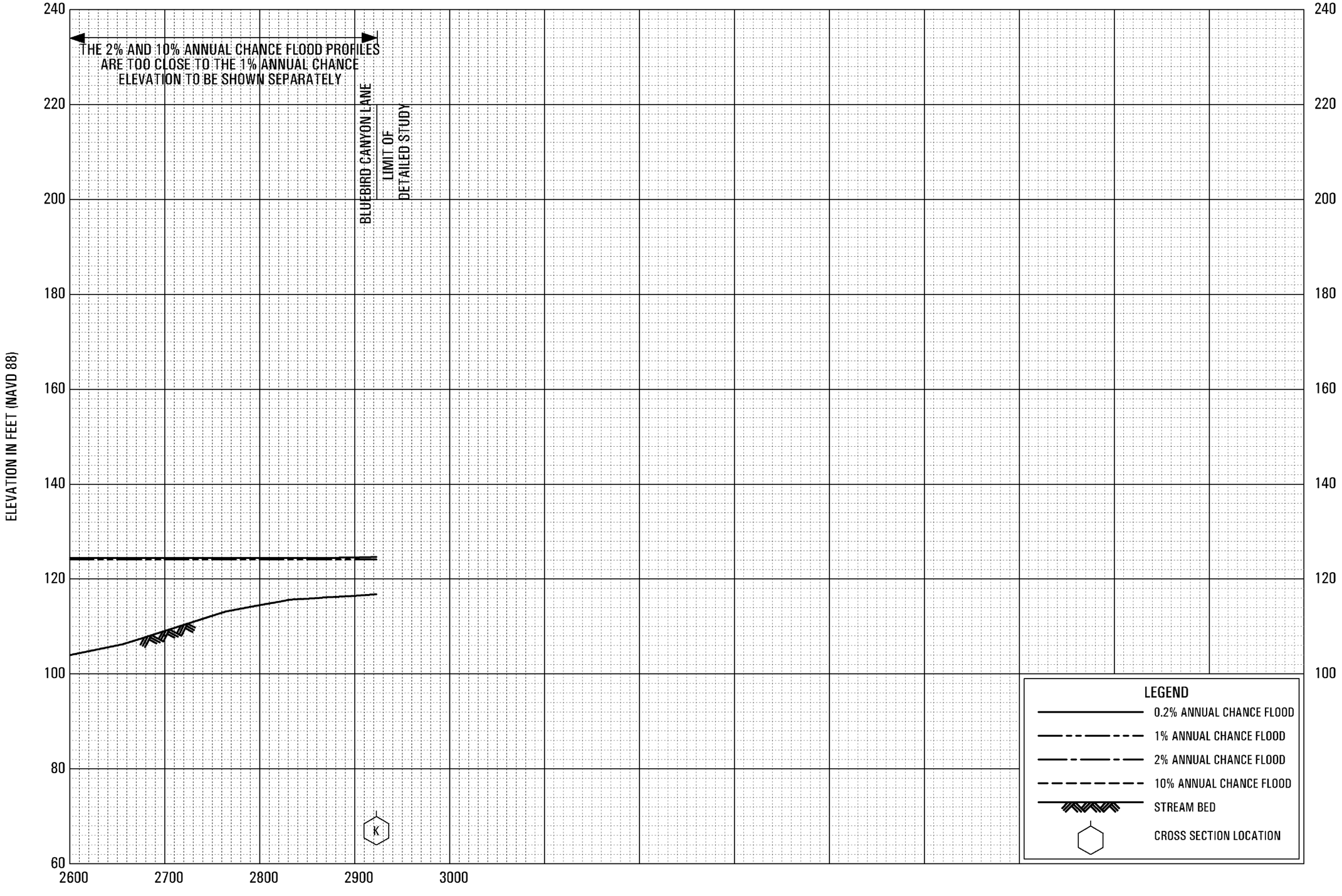
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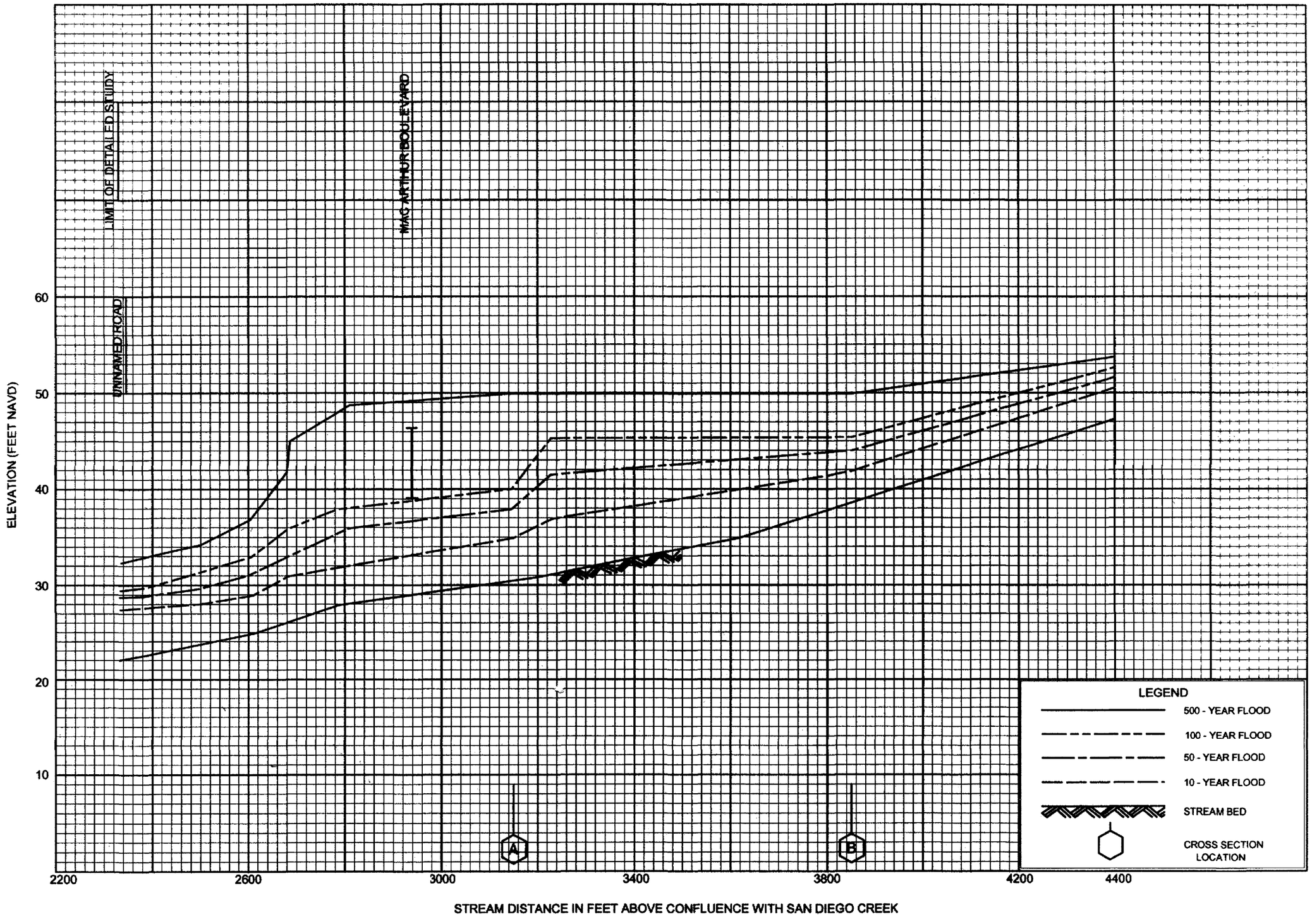
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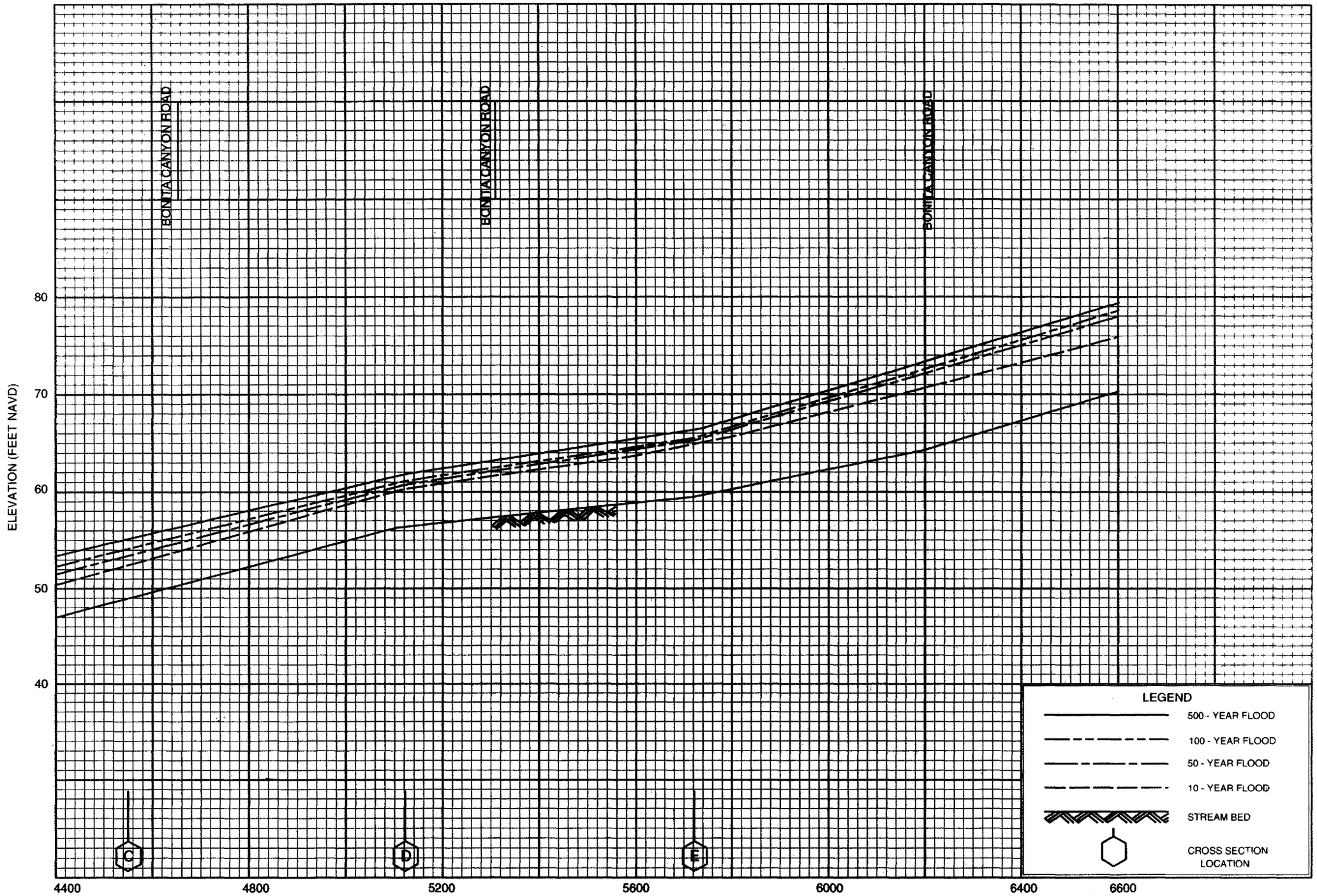
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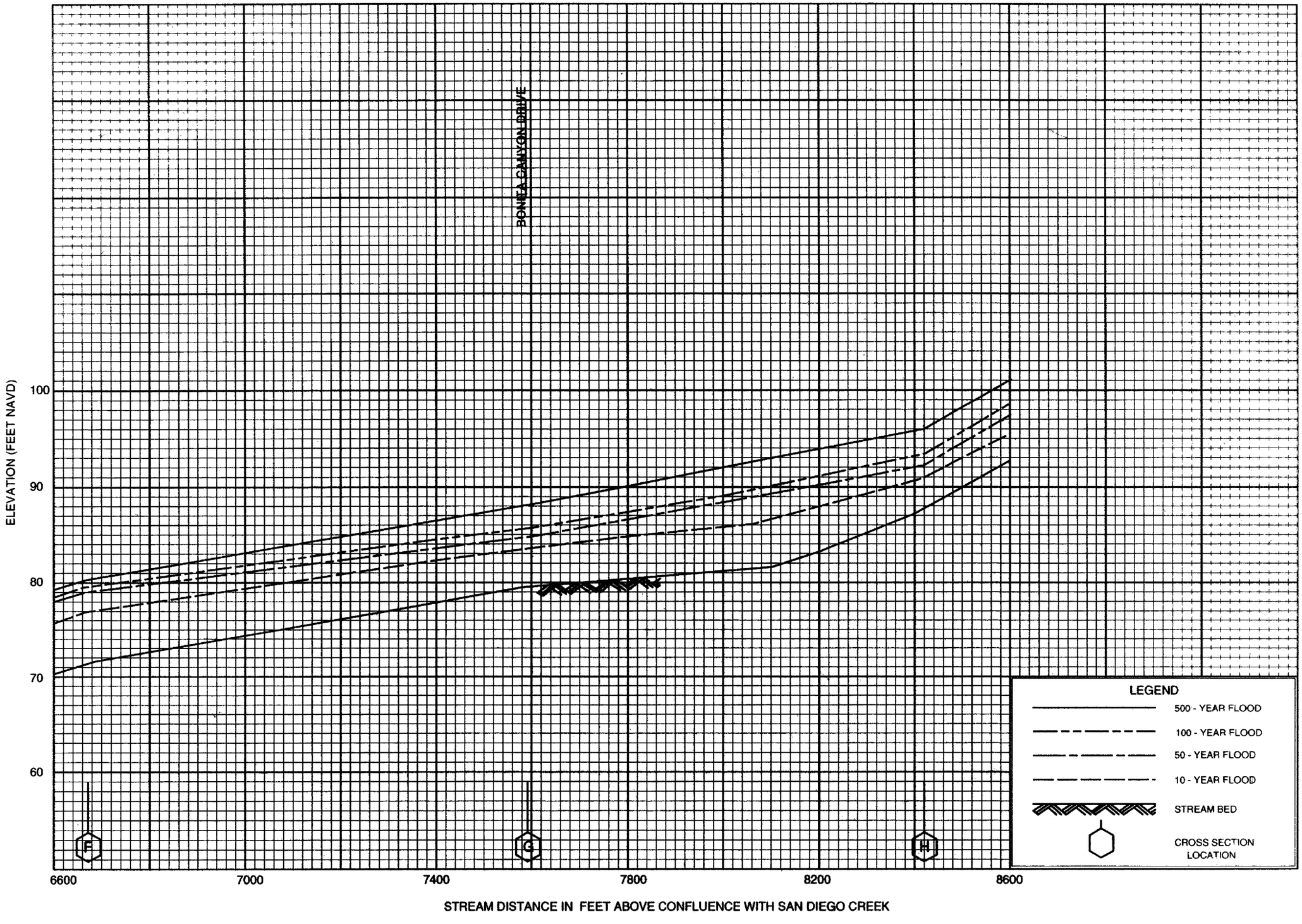


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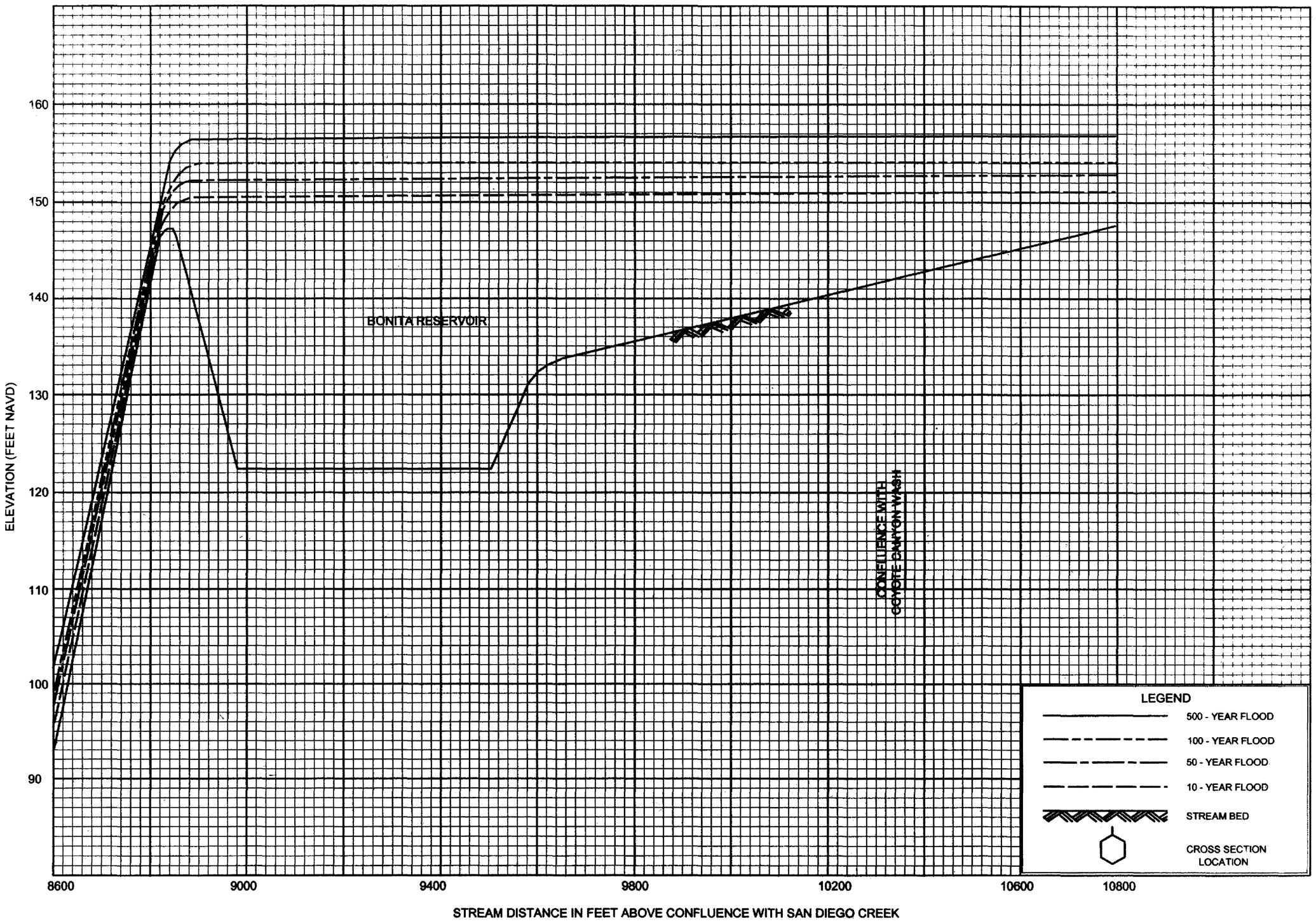


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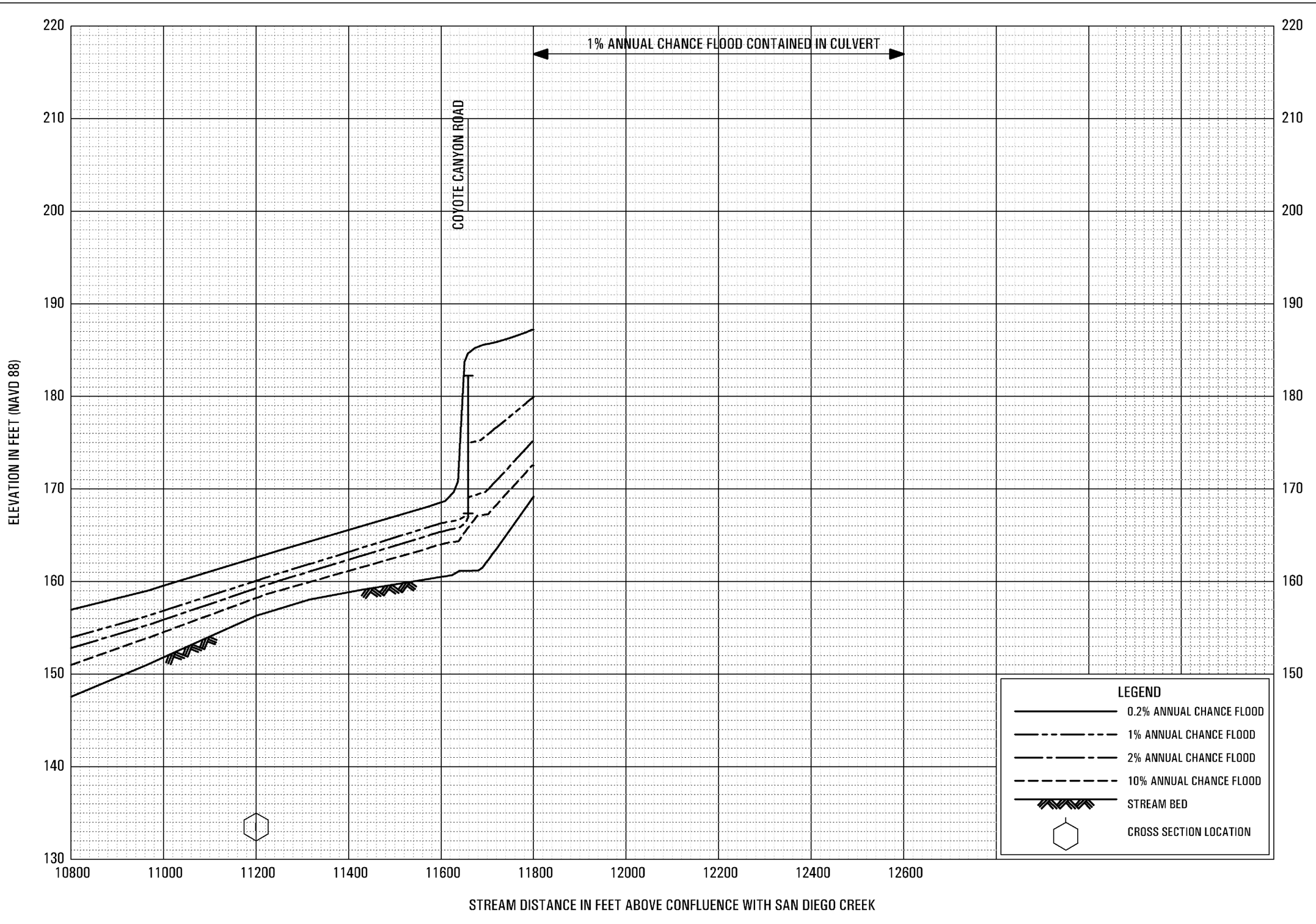
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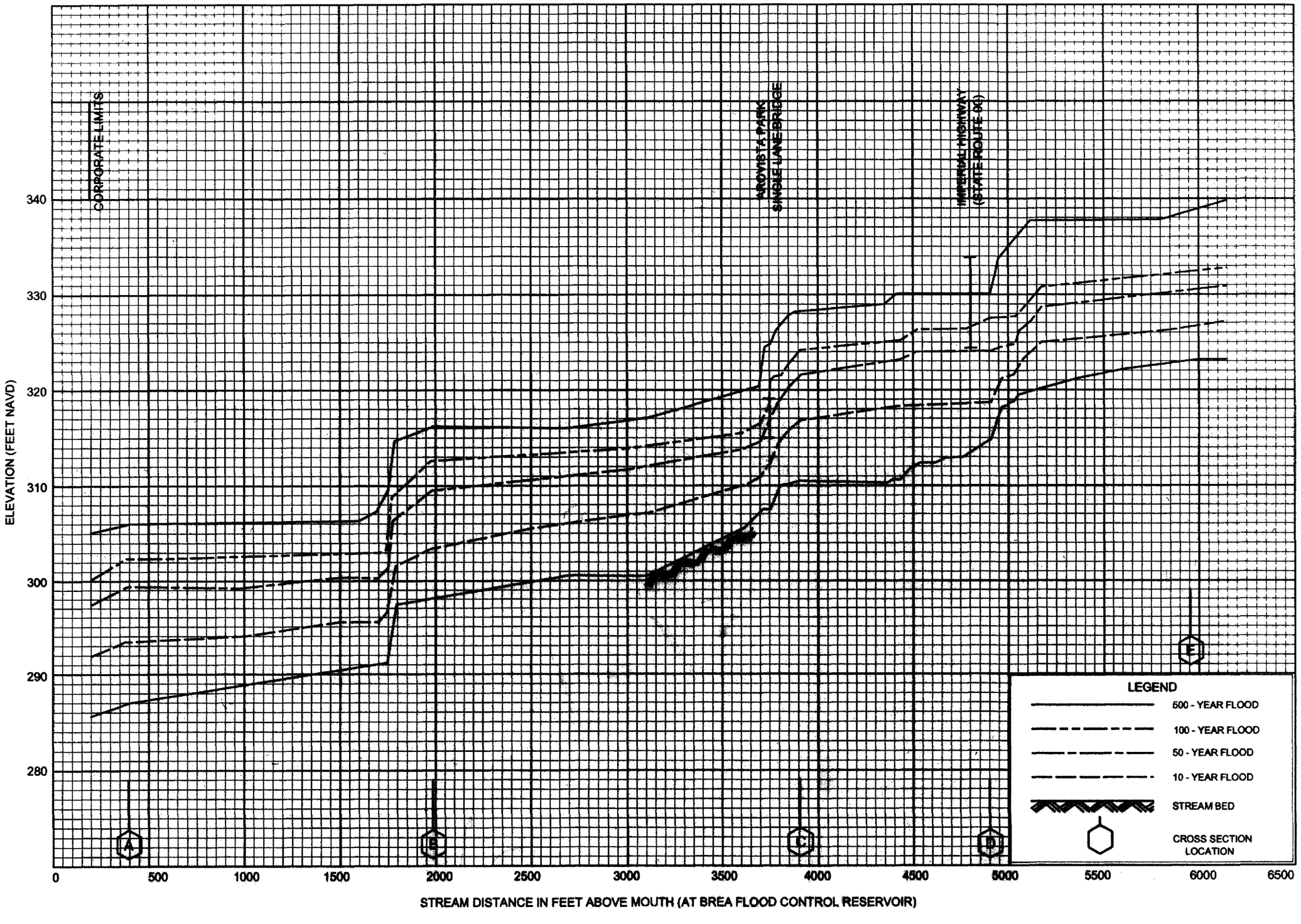
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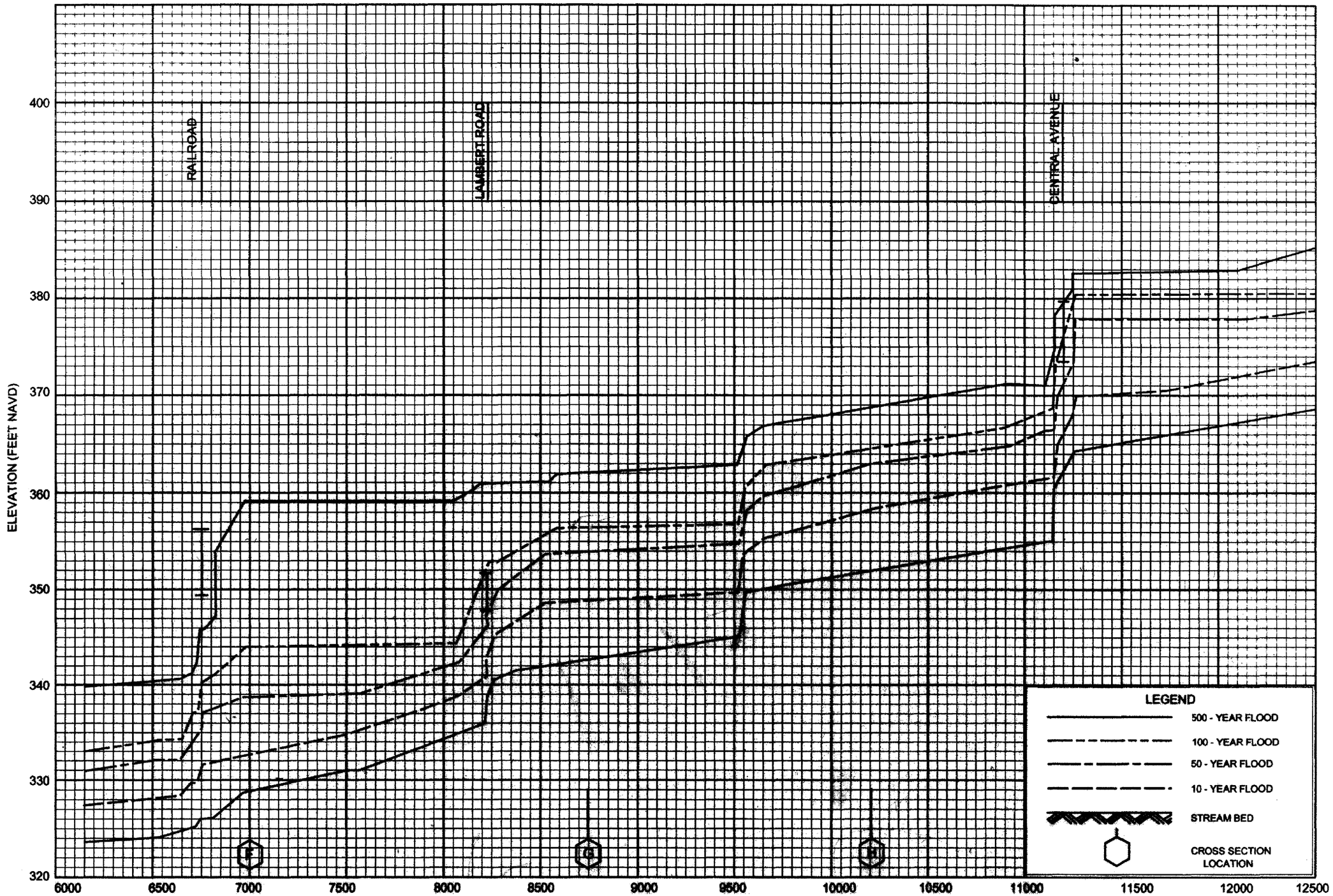
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BREA CANYON CHANNEL

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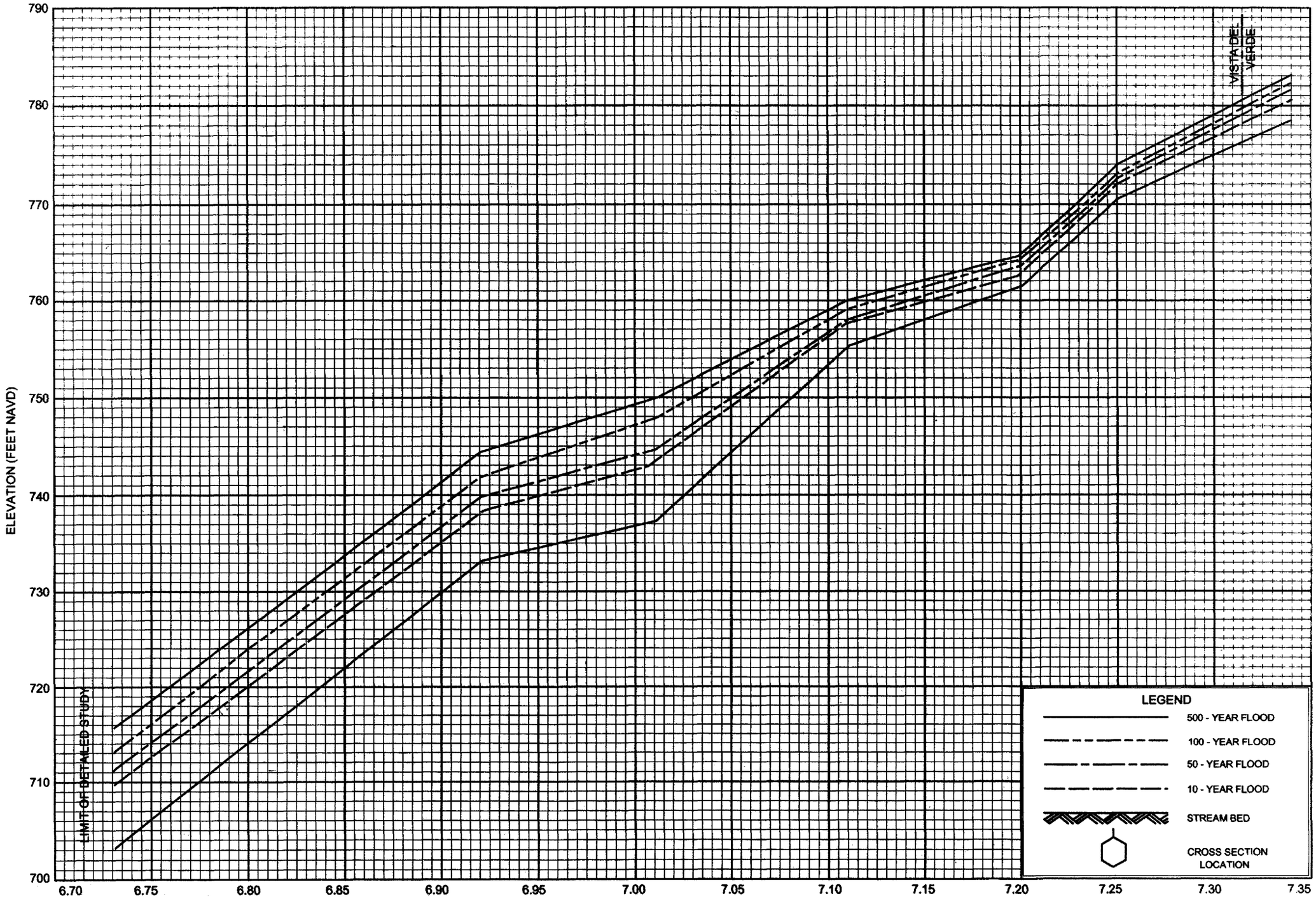
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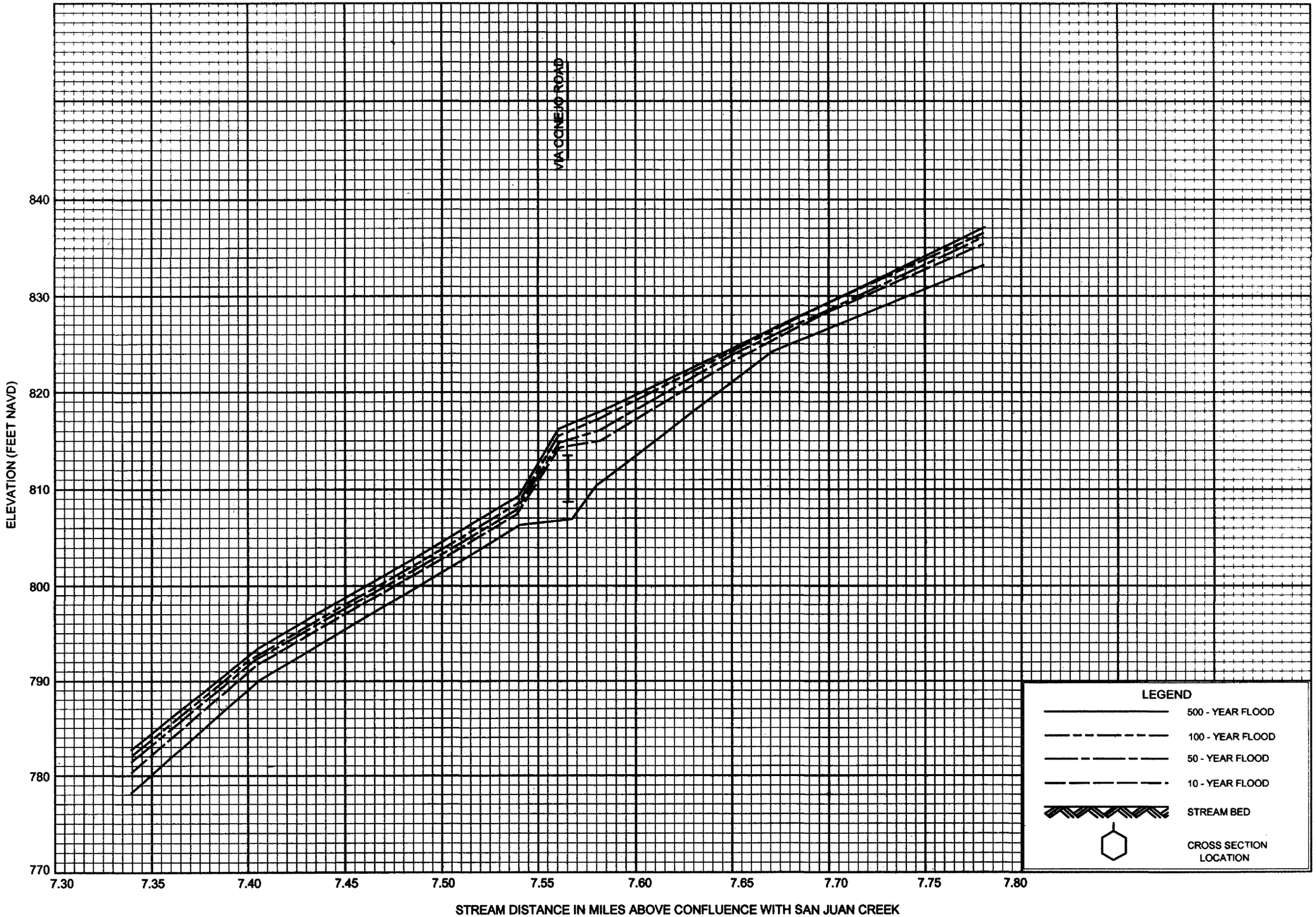
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CANADA GOBERNADORA

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AND INCORPORATED AREAS

30P



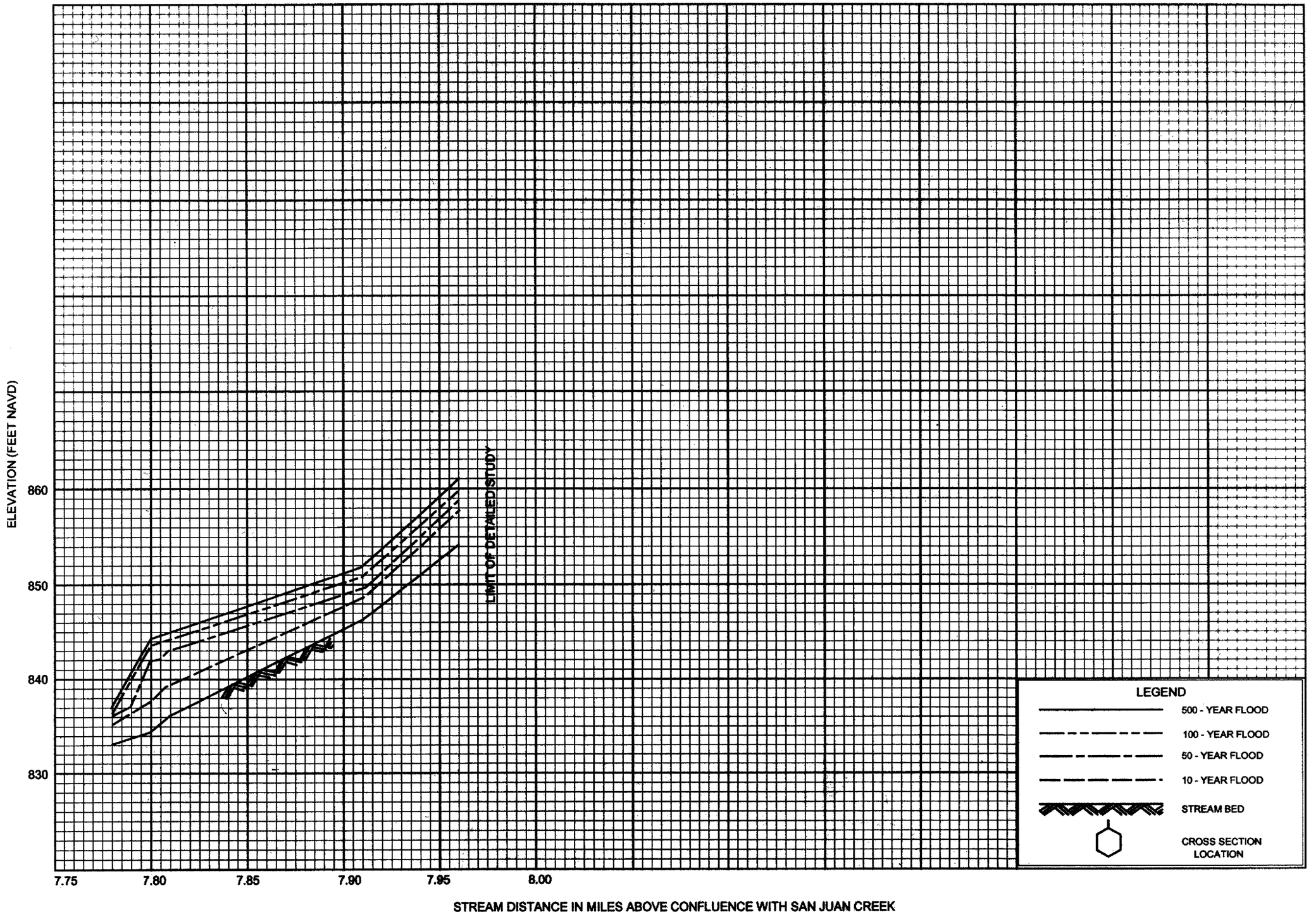
FLOOD PROFILES

CANADA GOBERNADORA

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

31P



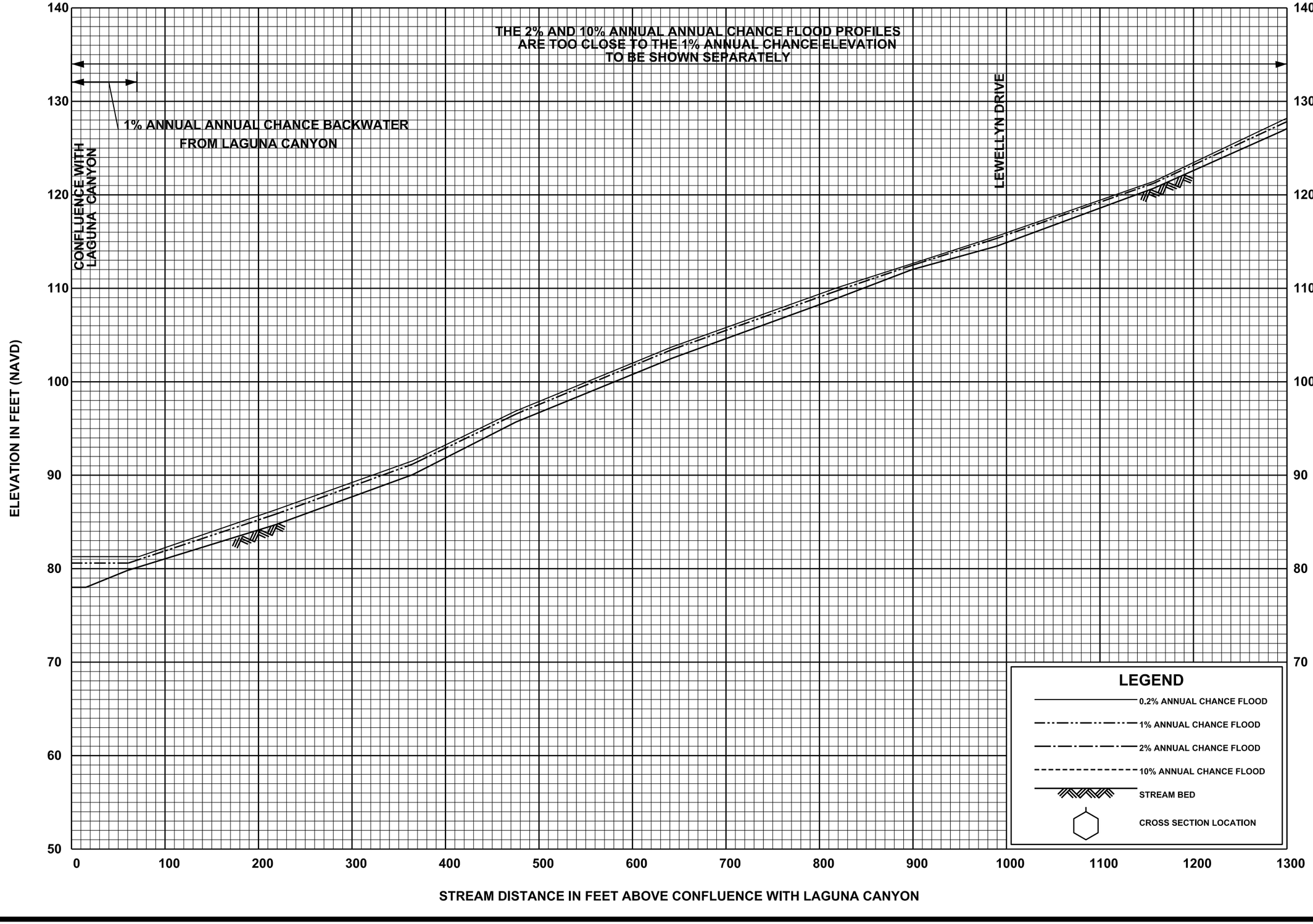
FLOOD PROFILES

CANADA GOBERNADORA

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

32P



FLOOD PROFILES

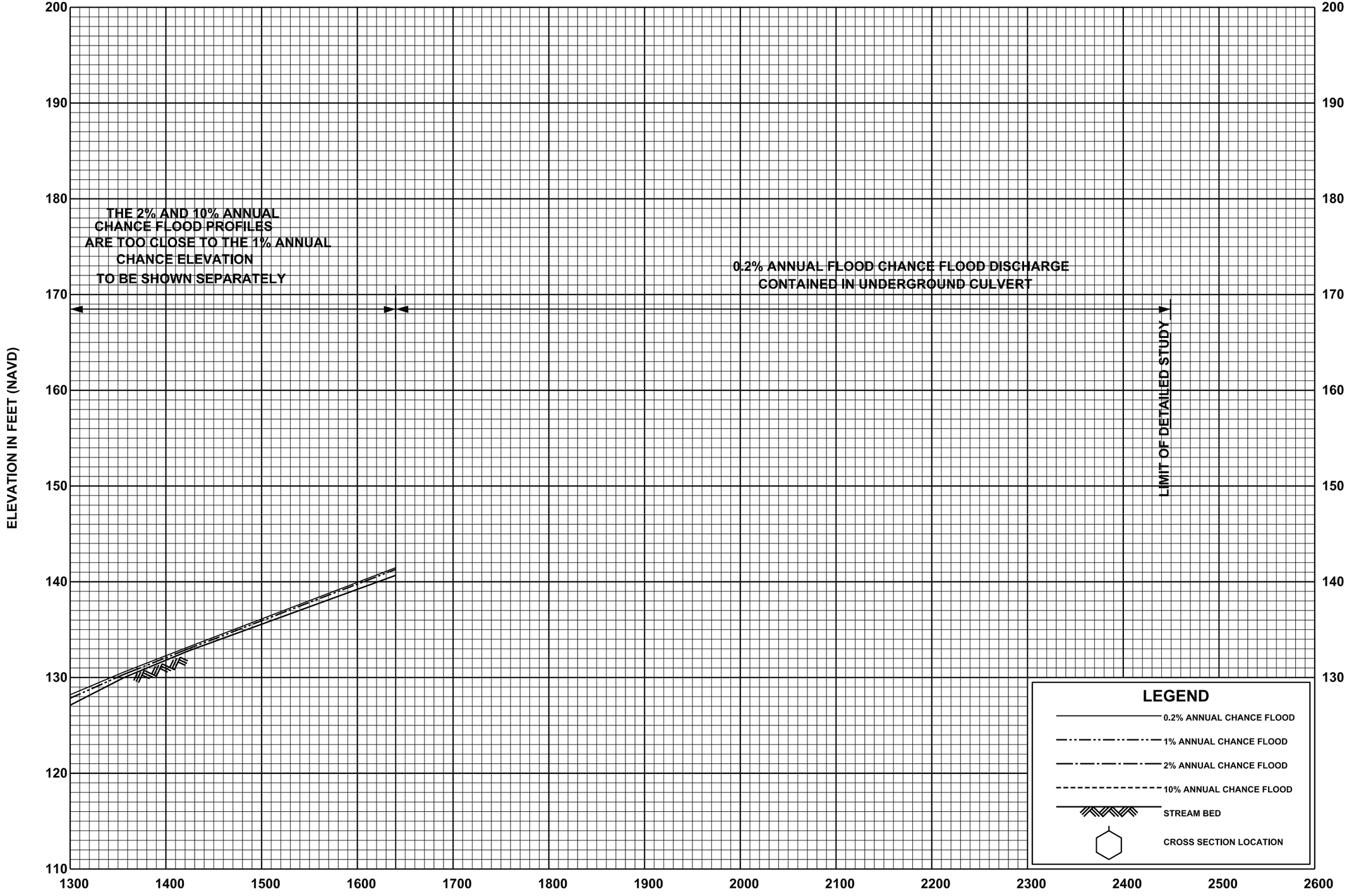
CANYON ACRES WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS

33P



FLOOD PROFILES

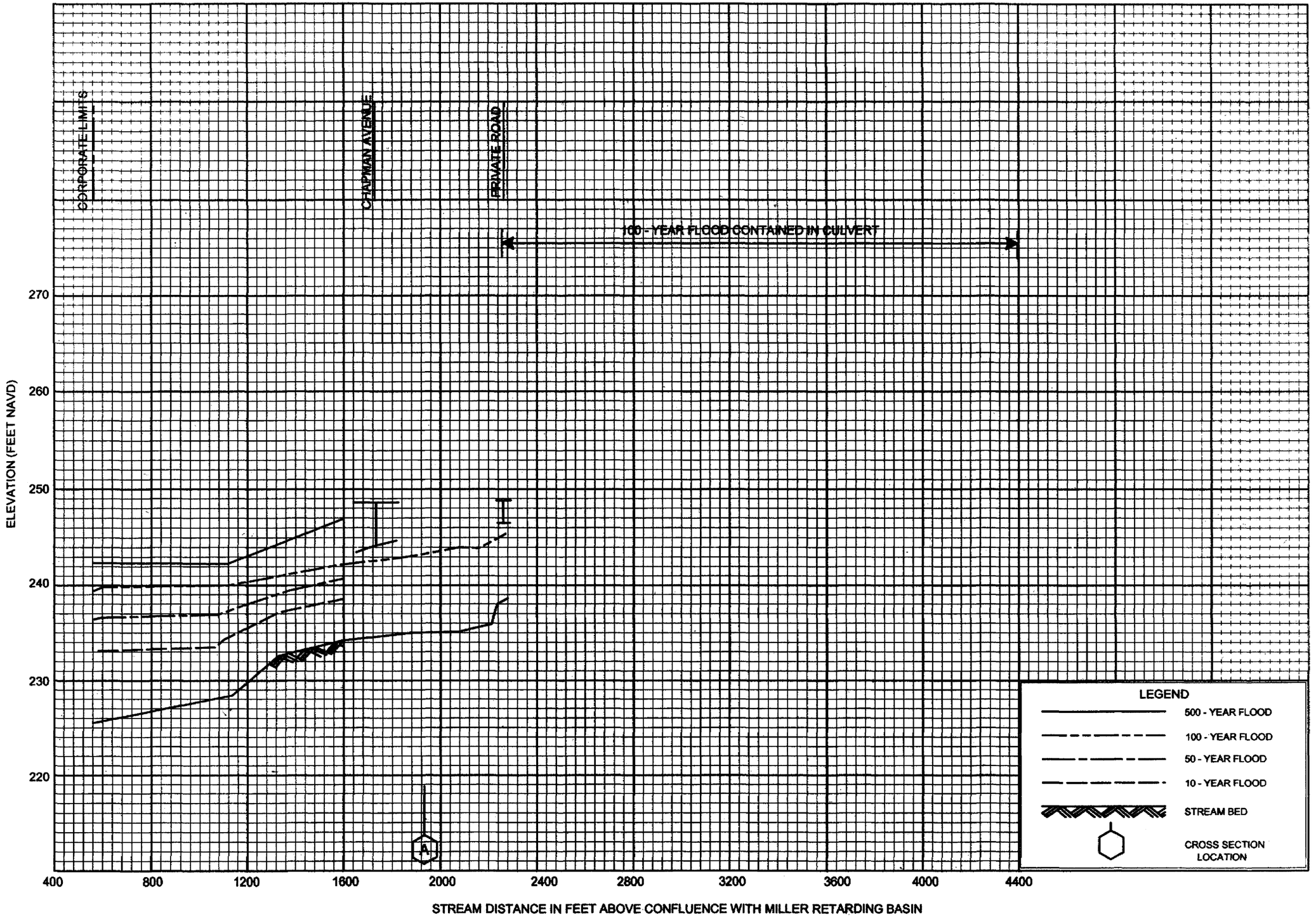
CANYON ACRES WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS

34P



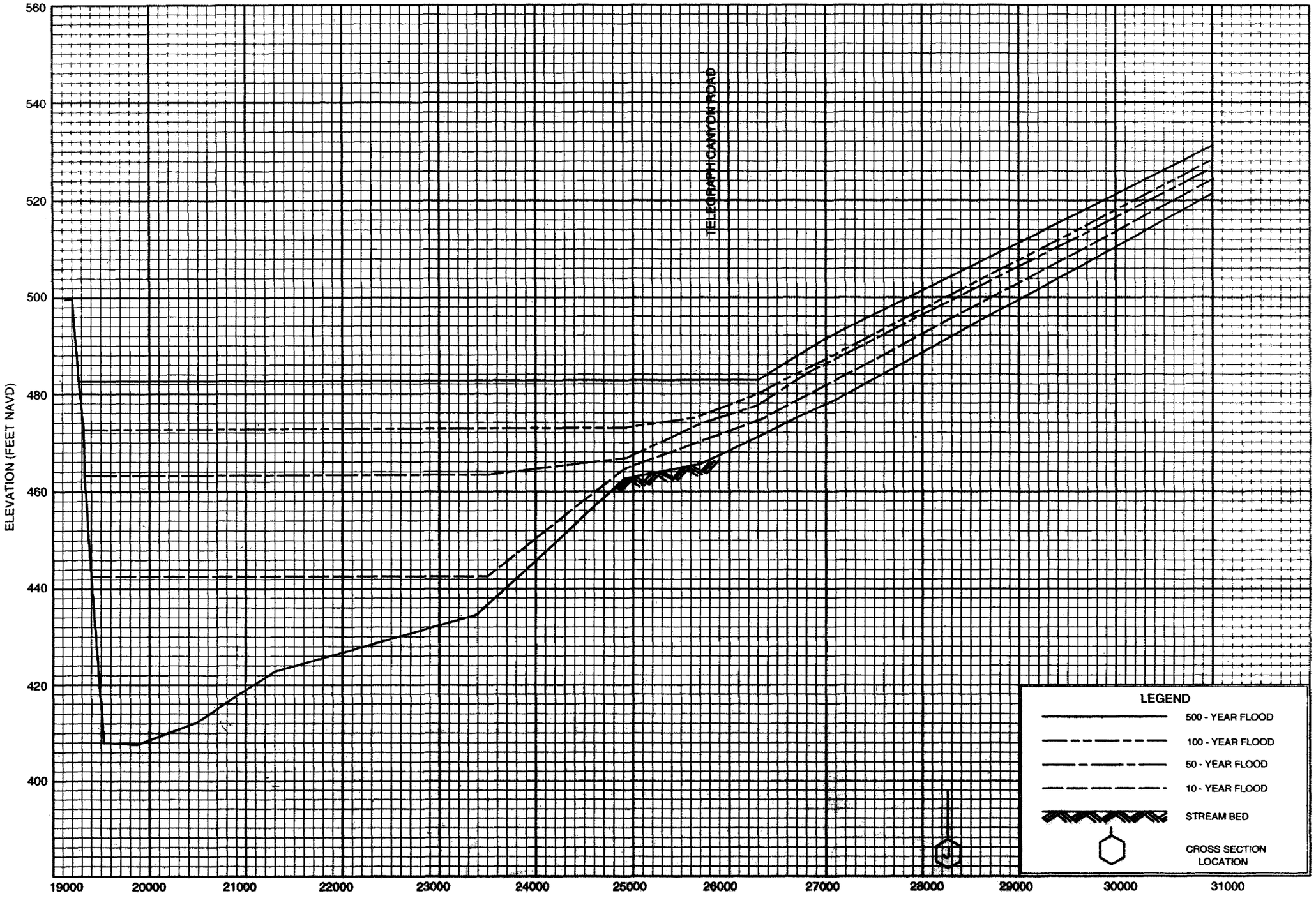
FLOOD PROFILES

CARBON CANYON CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

35P



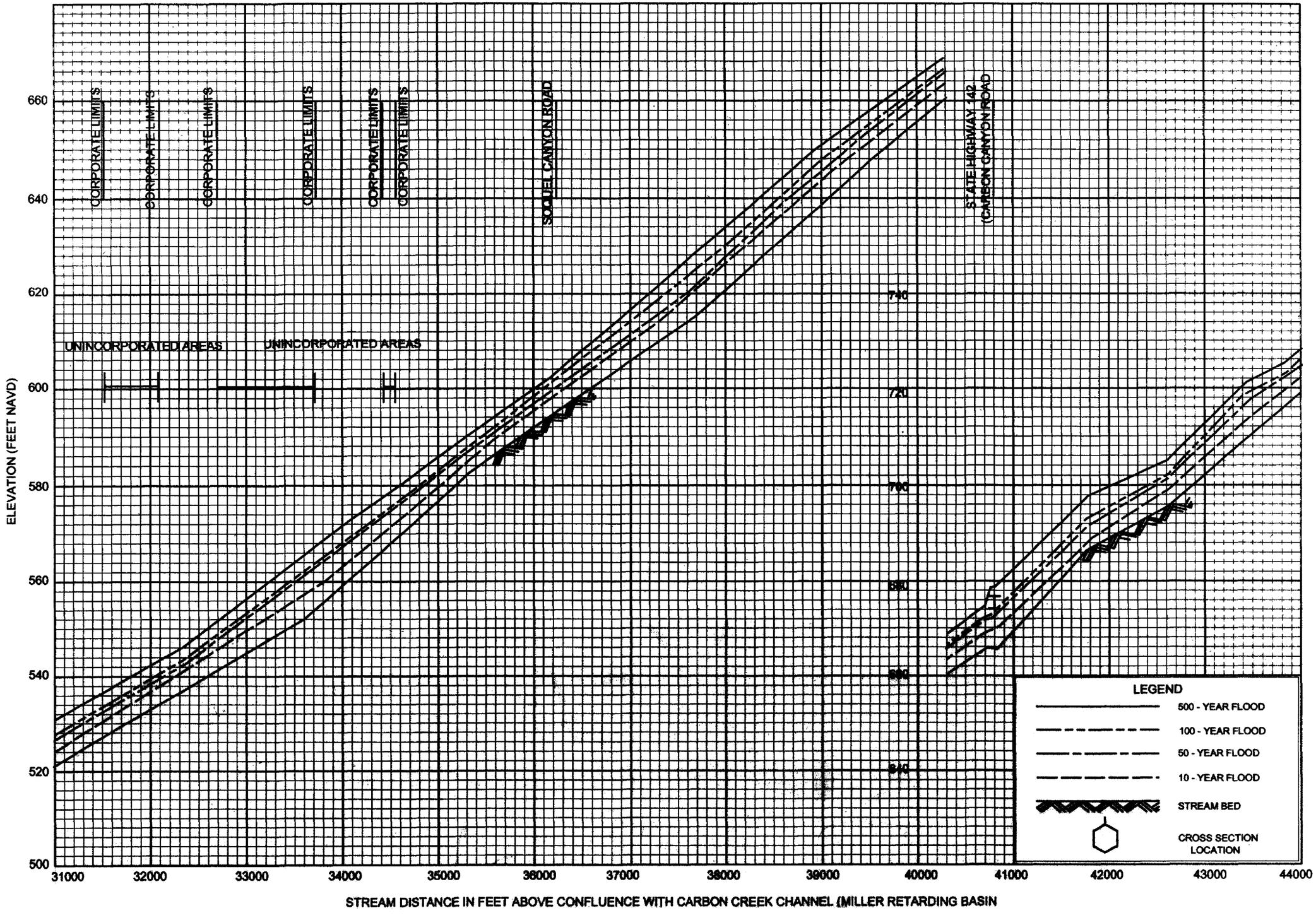
FLOOD PROFILES

CARBON CANYON CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

36P



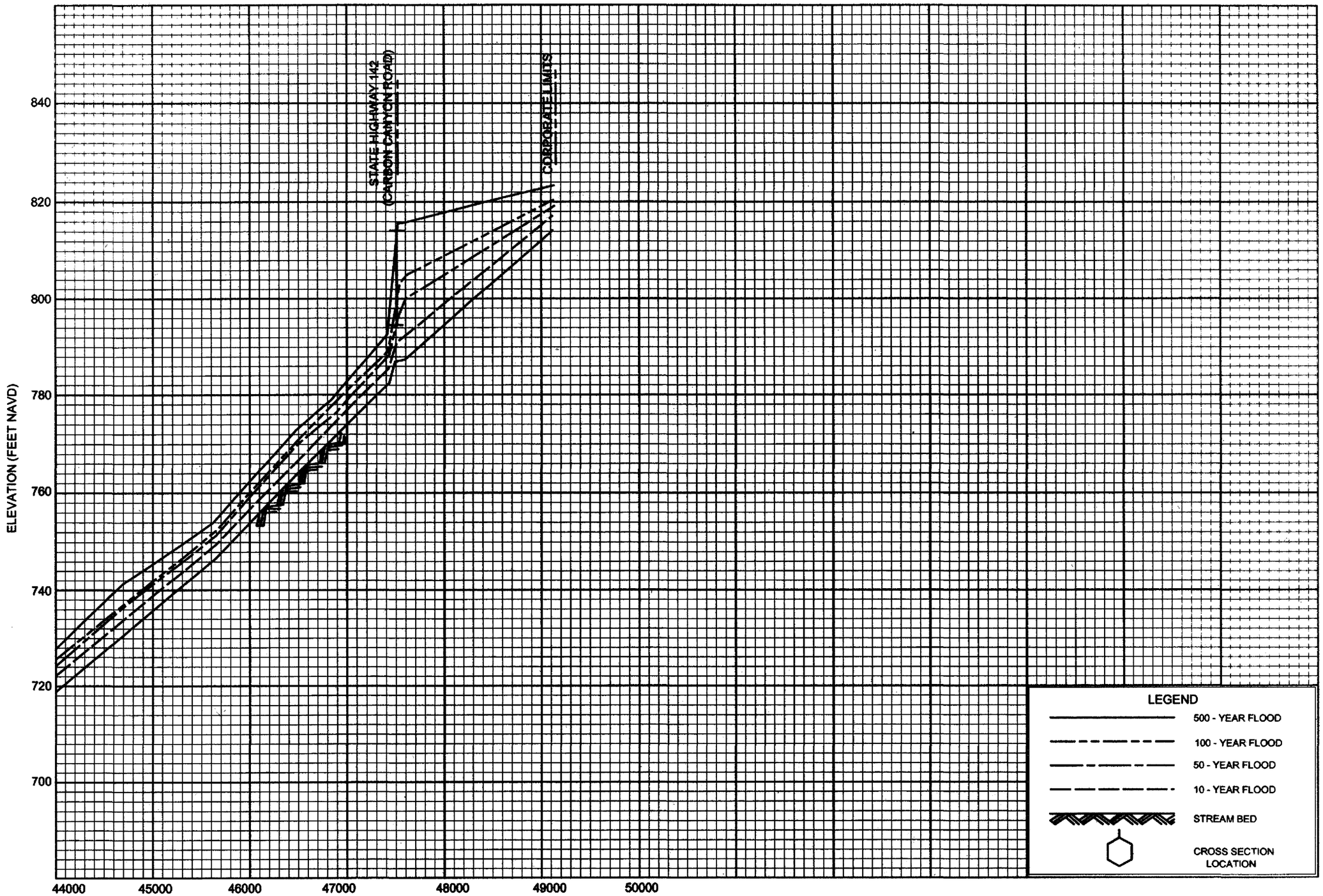
FLOOD PROFILES

CARBON CANYON CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

37P



FLOOD PROFILES

CARBON CANYON CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

38P

CORPORATE LIMITS
PLACENTIA AVENUE
CONFLUENCE WITH PLACENTIA STORM CHANNEL
ORANGE FREEWAY (STATE ROUTE 57)
GONZALES AVENUE
TAFOLLA STREET
MELROSE STREET
LIMIT OF DETAILED STUDY

SANTA ANA RIVER 500-YEAR OVERFLOW

10-AND 50-YEAR FLOODS COINCIDE

ELEVATION (FEET NAVD)

220
210
200
190
180

62500 63000 63500 64000 64500 65000 65500 66000 66500 67000 67500 68000 68500 69000

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH COYOTE CREEK CHANNEL

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

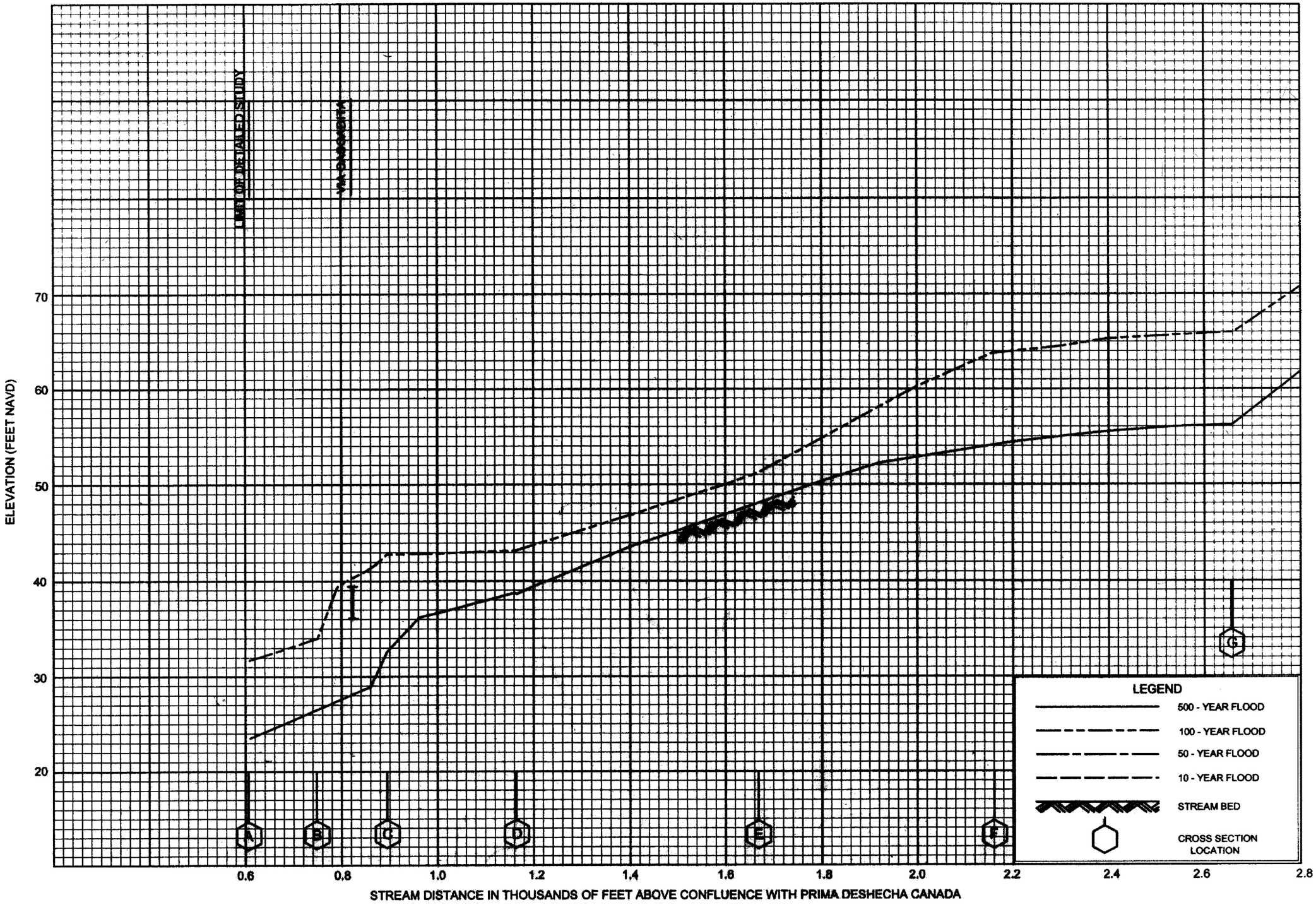
FLOOD PROFILES

CARBON CREEK CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

39P

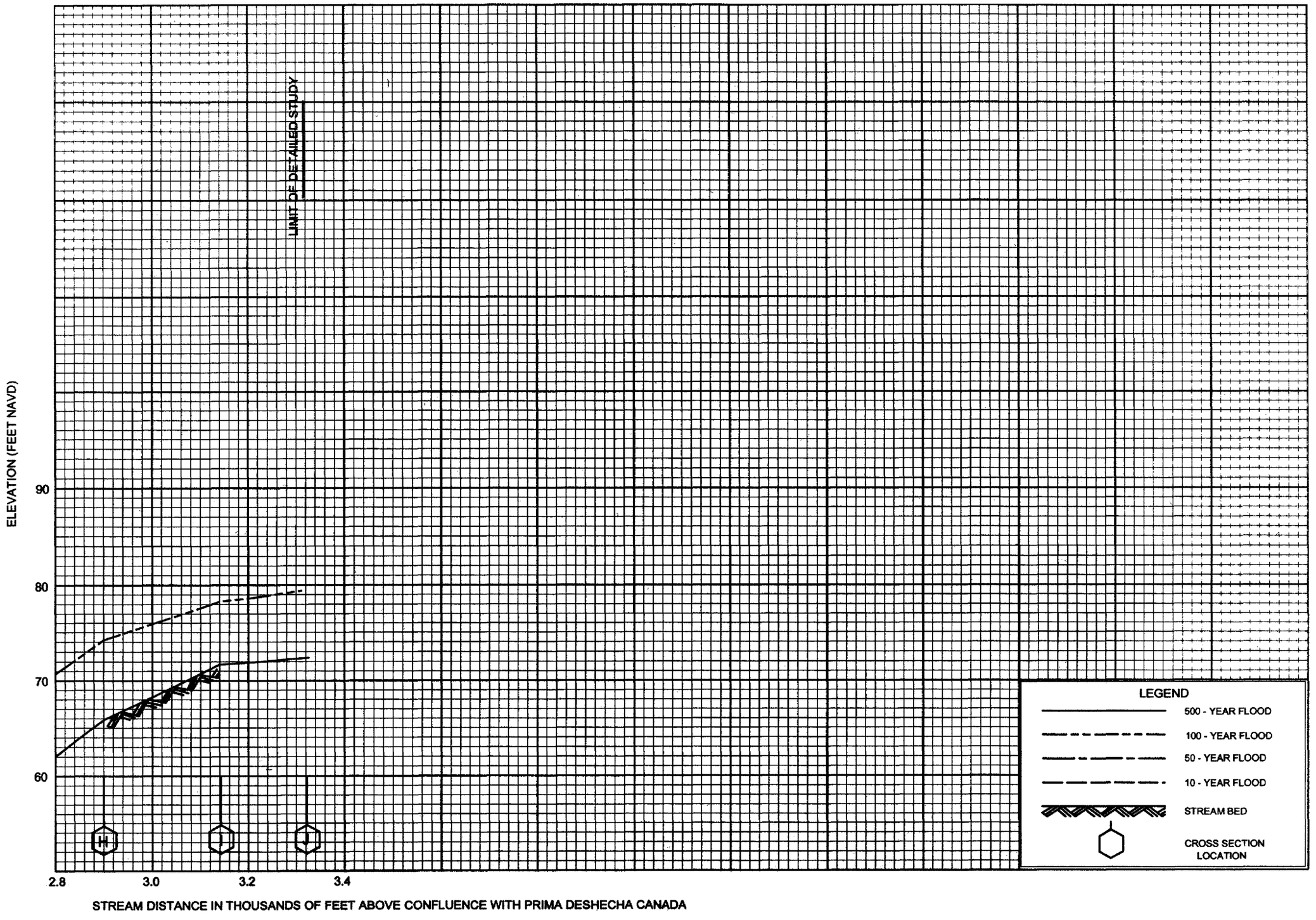


FLOOD PROFILES

CASCADITA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



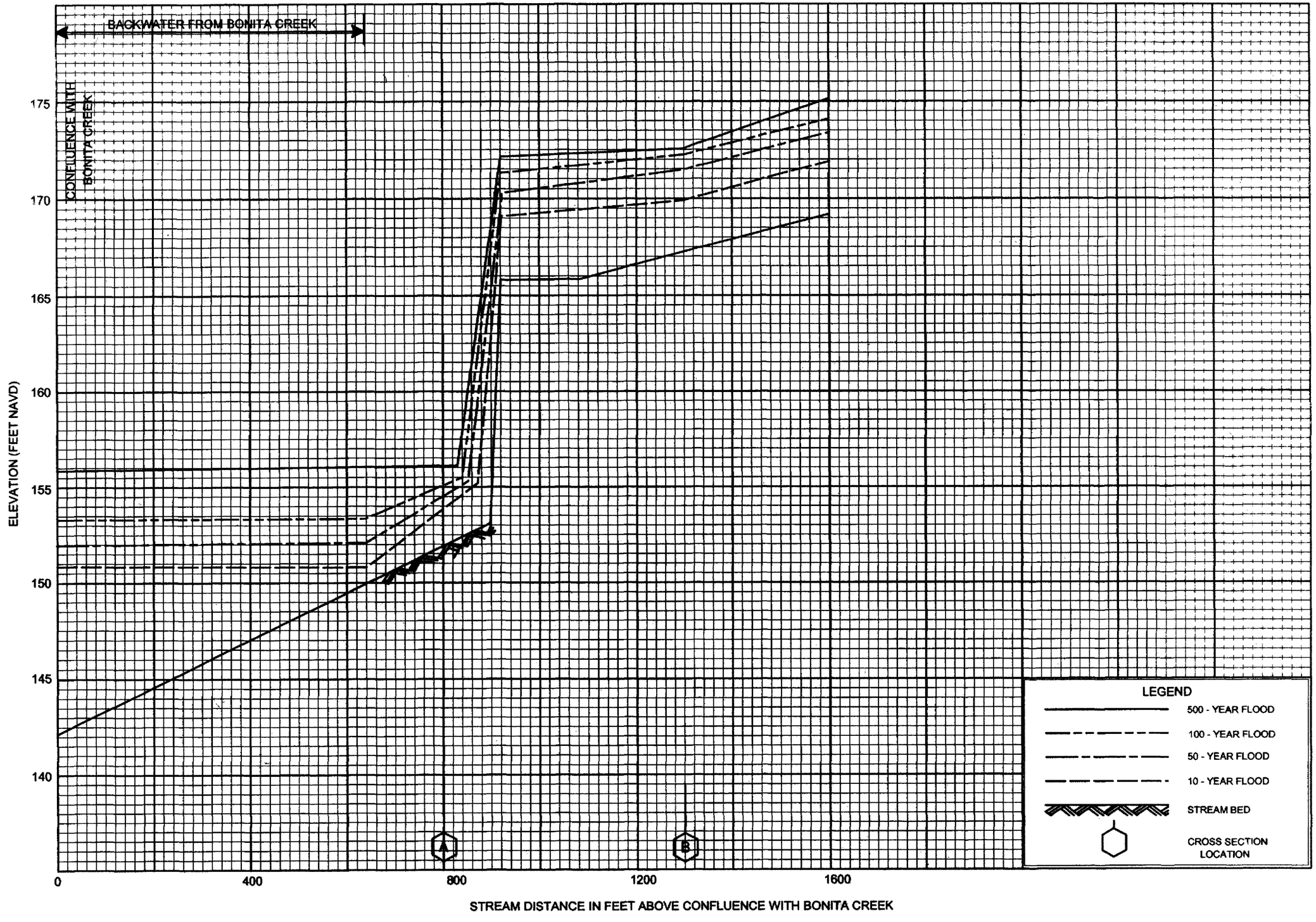
FLOOD PROFILES

CASCADITA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

41P



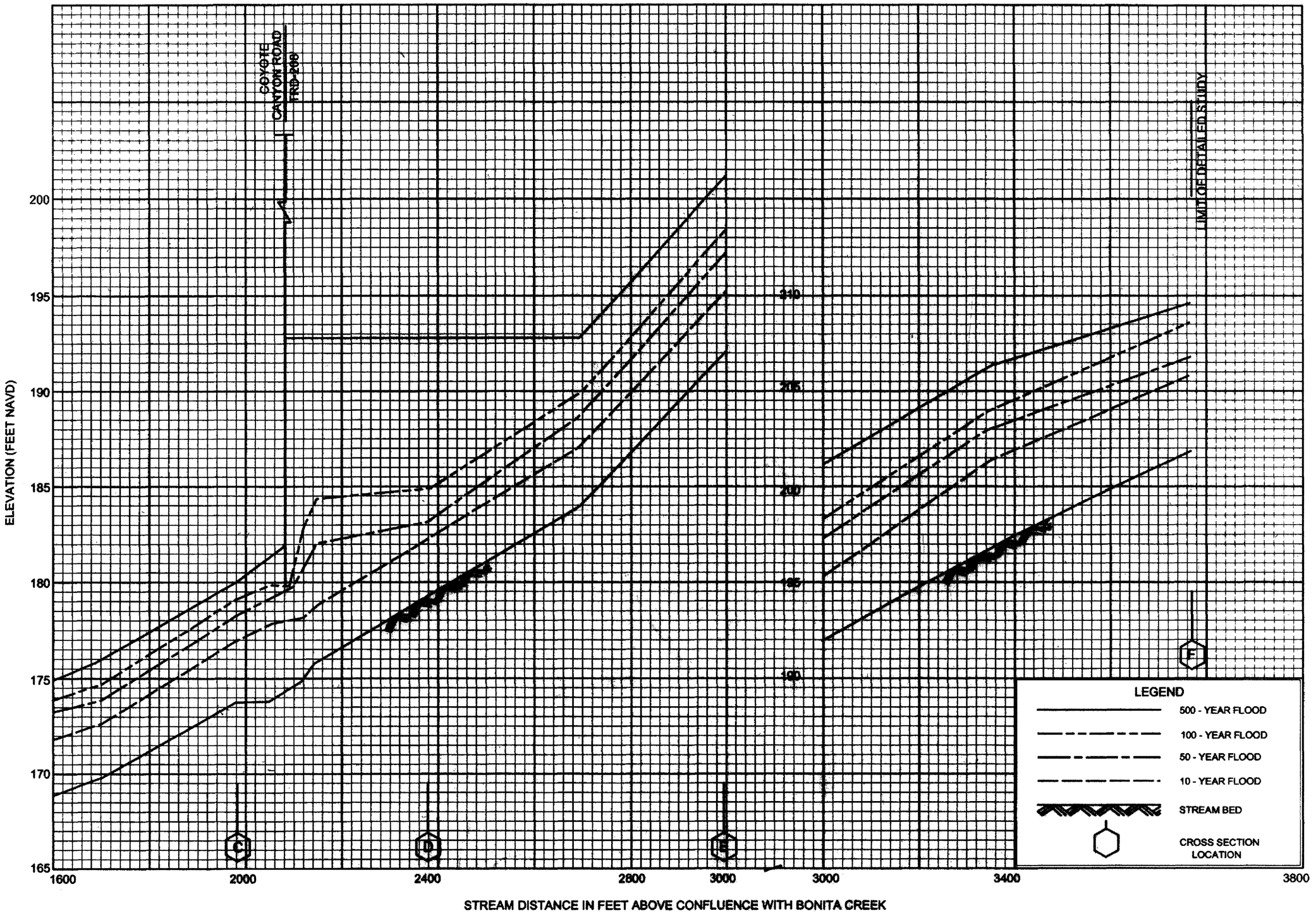
FLOOD PROFILES

COYOTE CANYON WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

42P

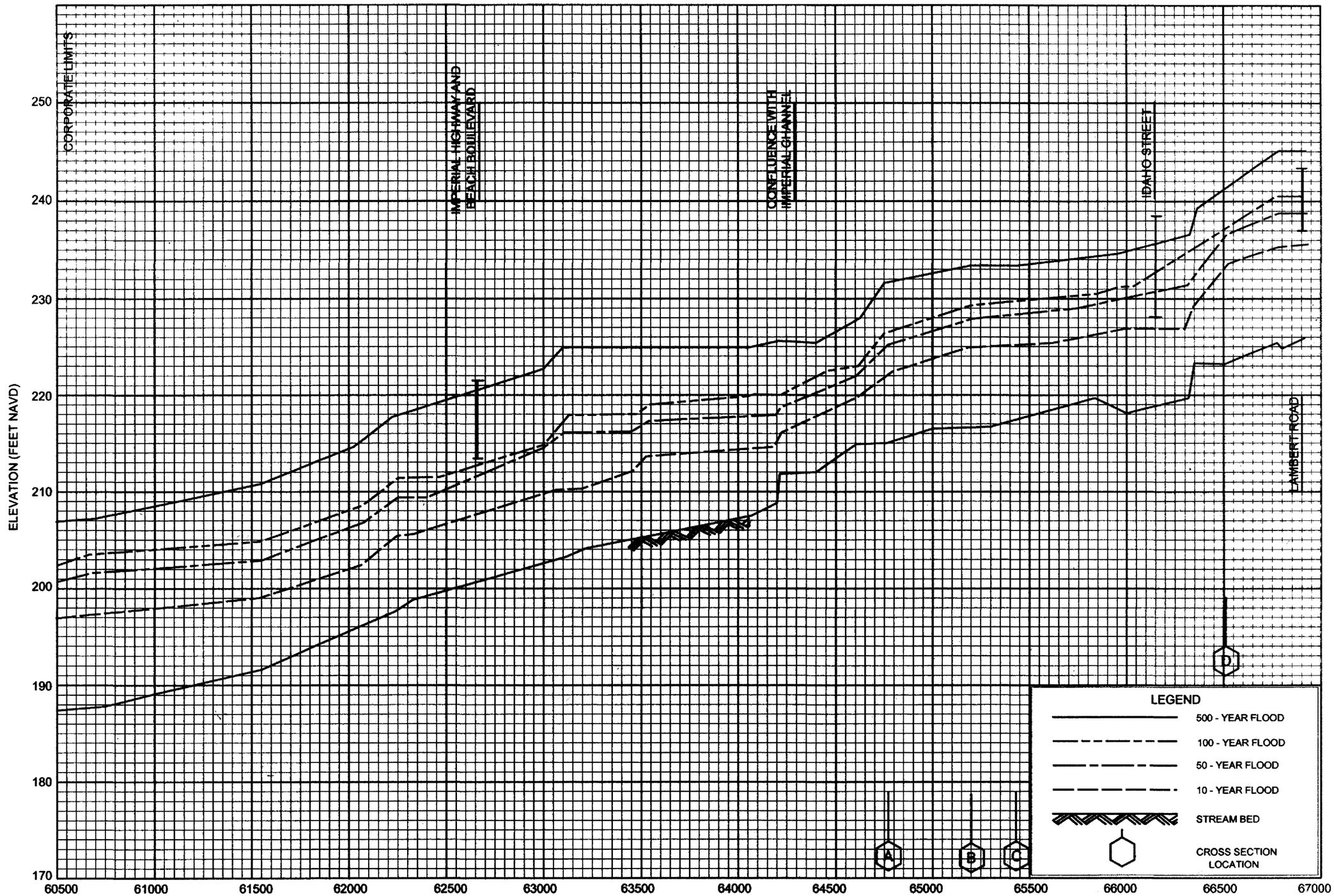


FLOOD PROFILES

COYOTE CANYON WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



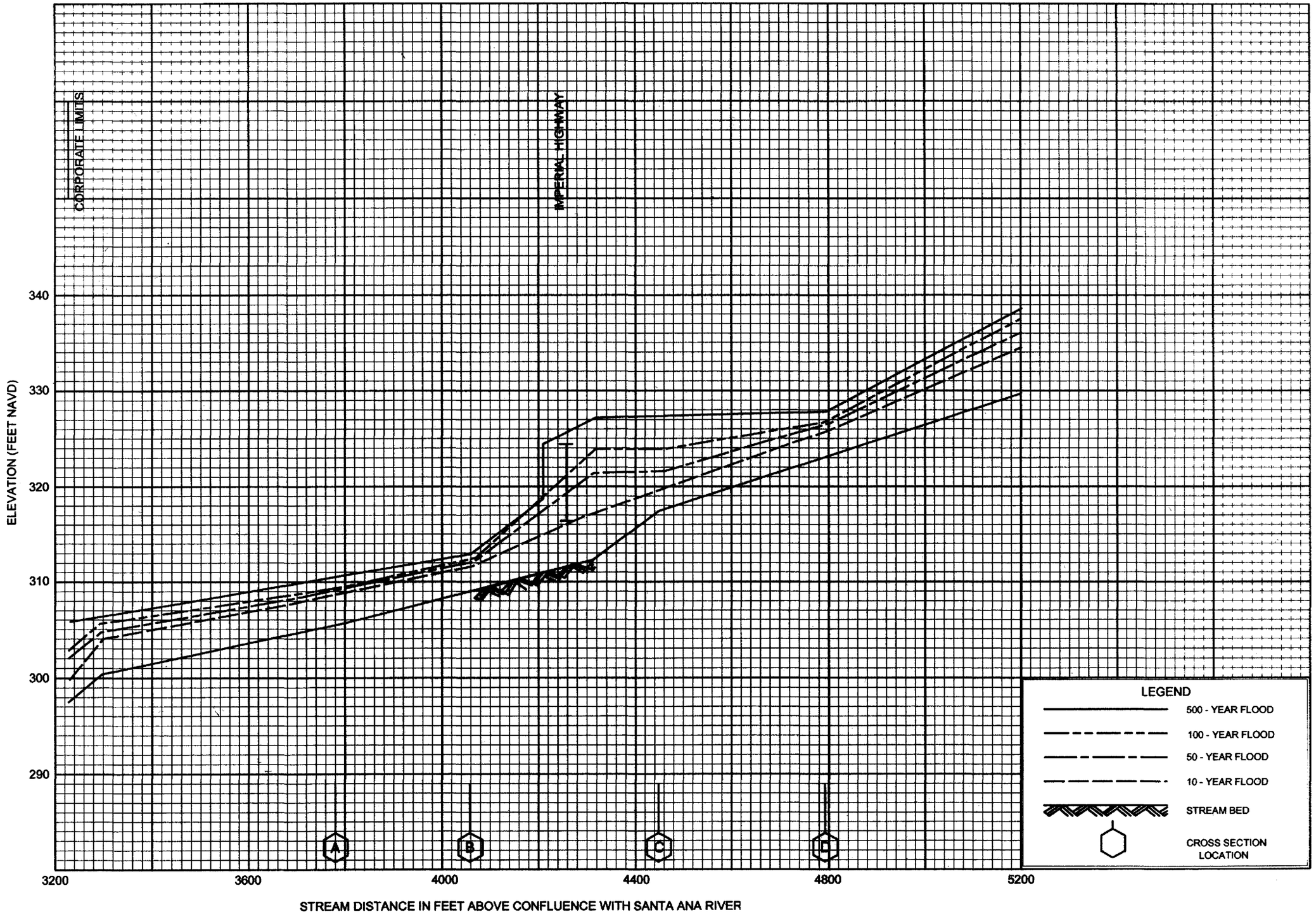
FLOOD PROFILES

COYOTE CREEK CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

44P



FLOOD PROFILES

EAST RICHFIELD CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

45P



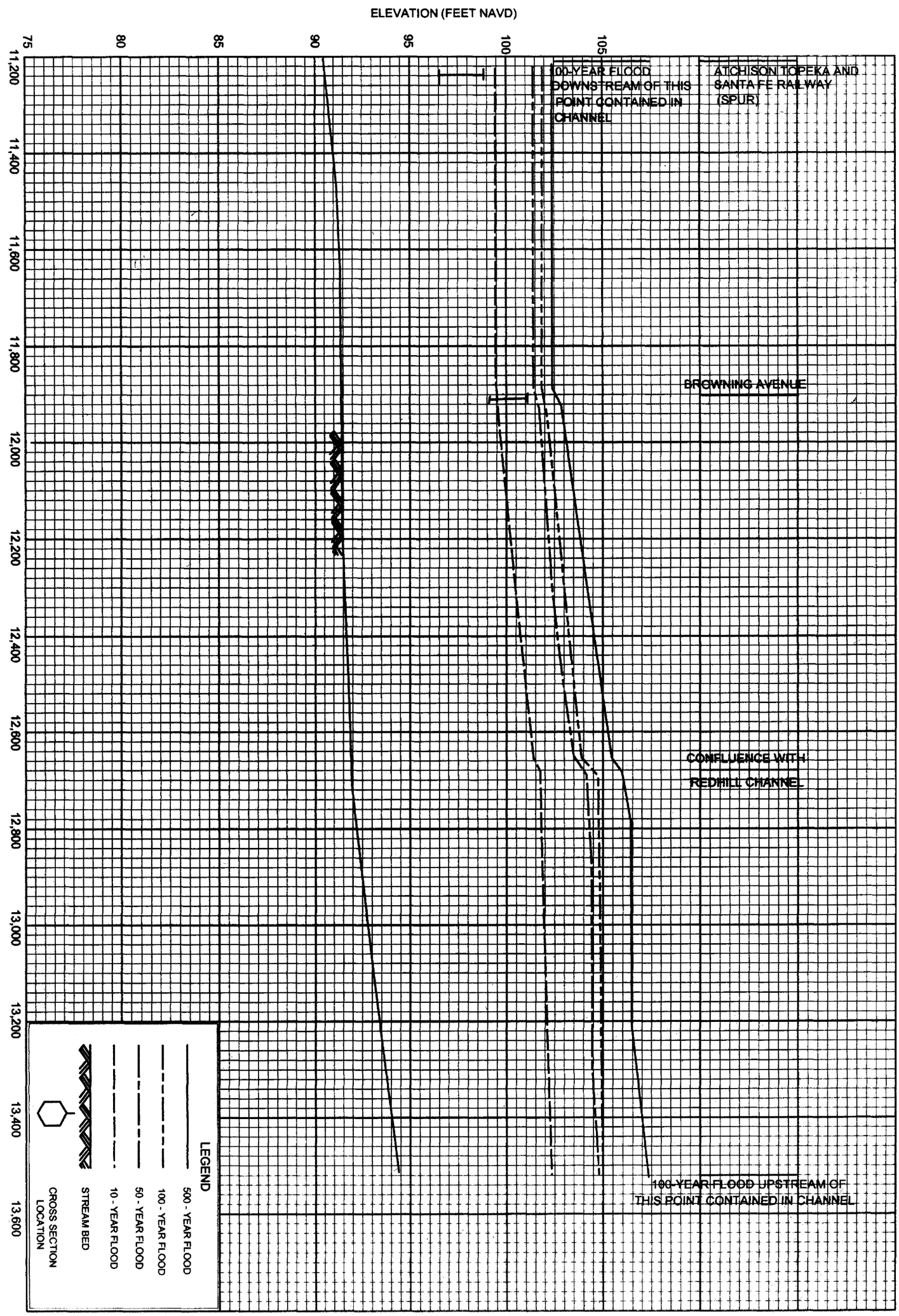
FLOOD PROFILES

EAST RICHFIELD CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

46P



FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

FLOOD PROFILES

EL MODENA-IRVINE CHANNEL

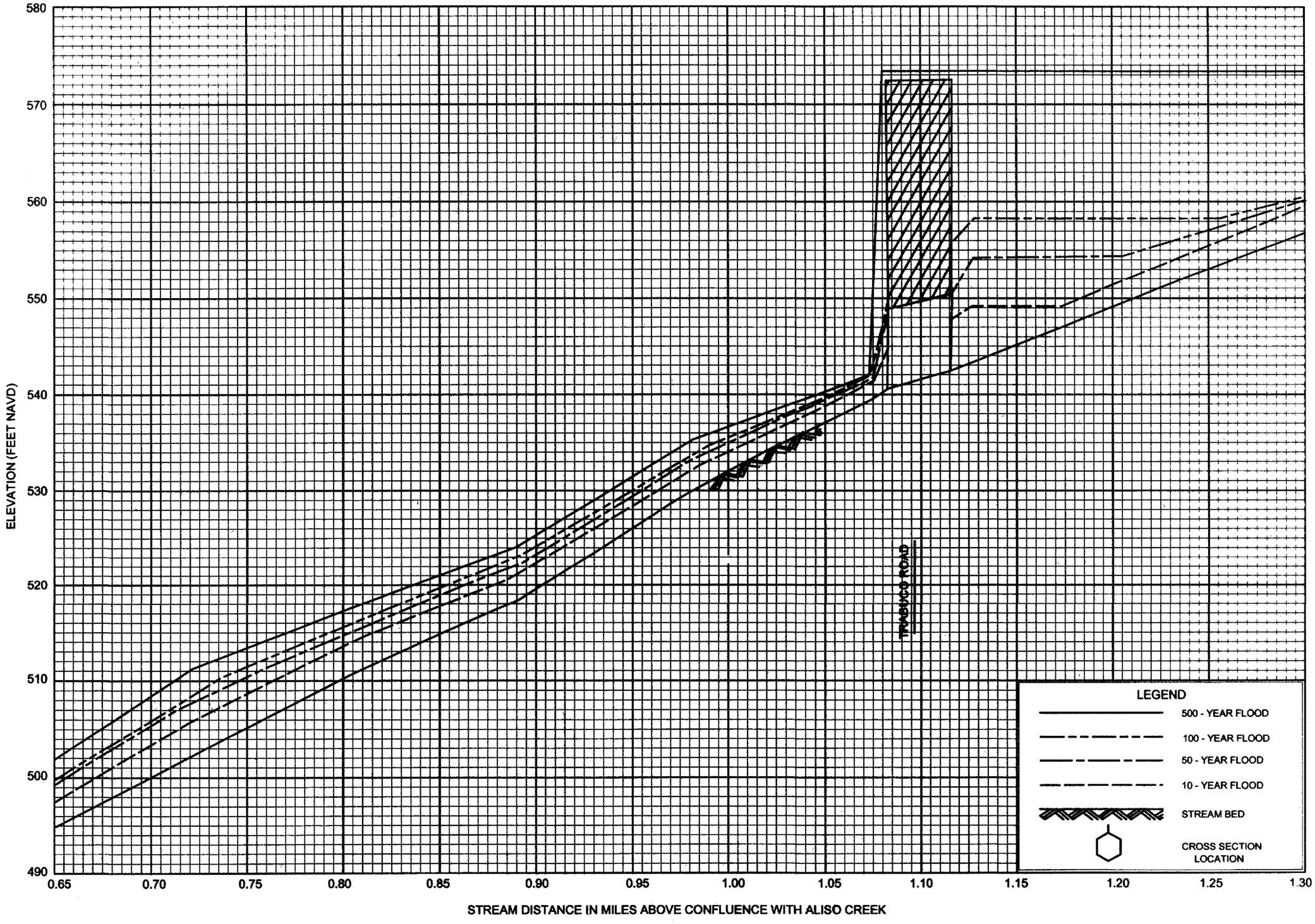


FLOOD PROFILES

ENGLISH CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

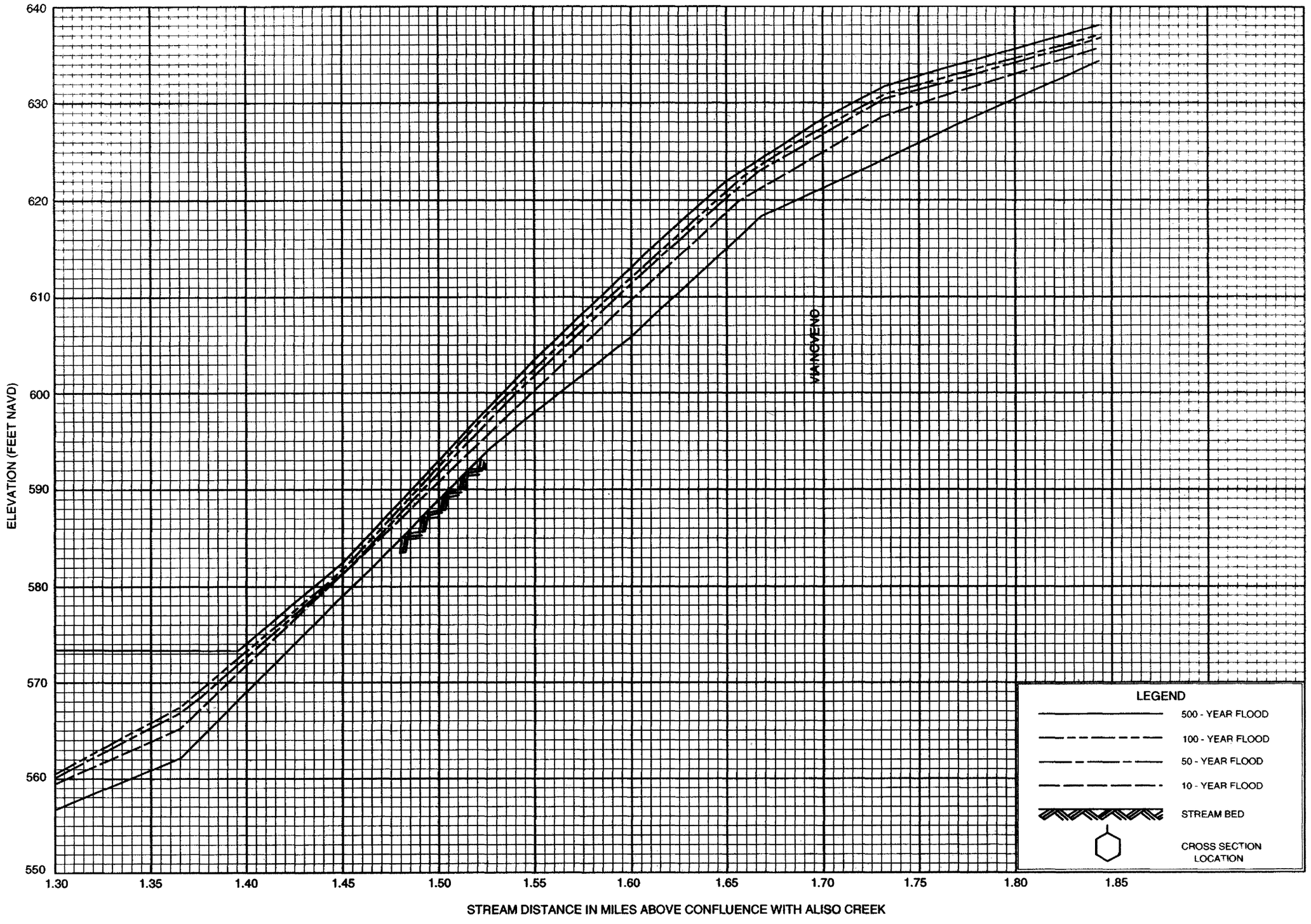


FLOOD PROFILES

ENGLISH CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



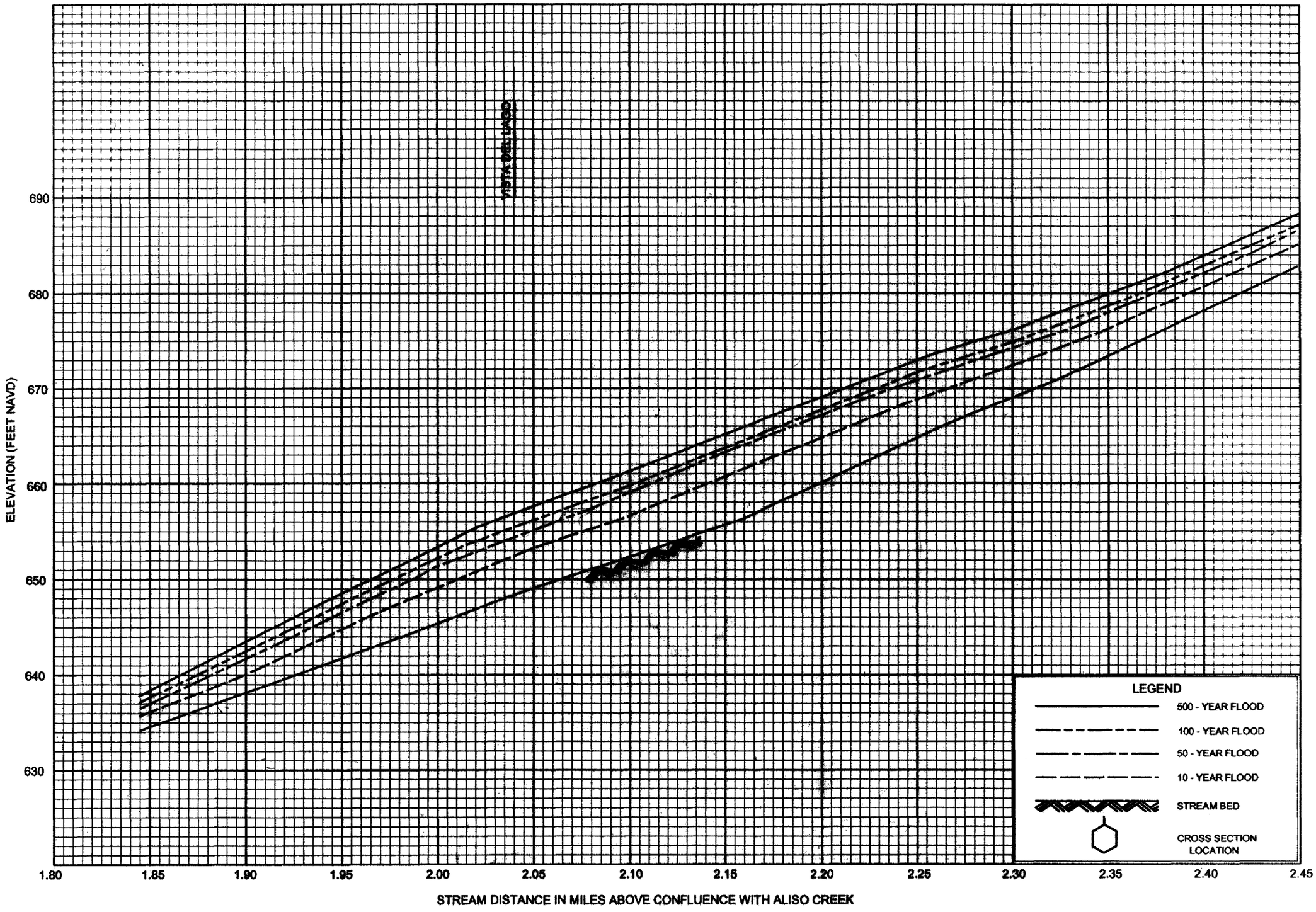
FLOOD PROFILES

ENGLISH CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

50P



FLOOD PROFILES

ENGLISH CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



FLOOD PROFILES

ENGLISH CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



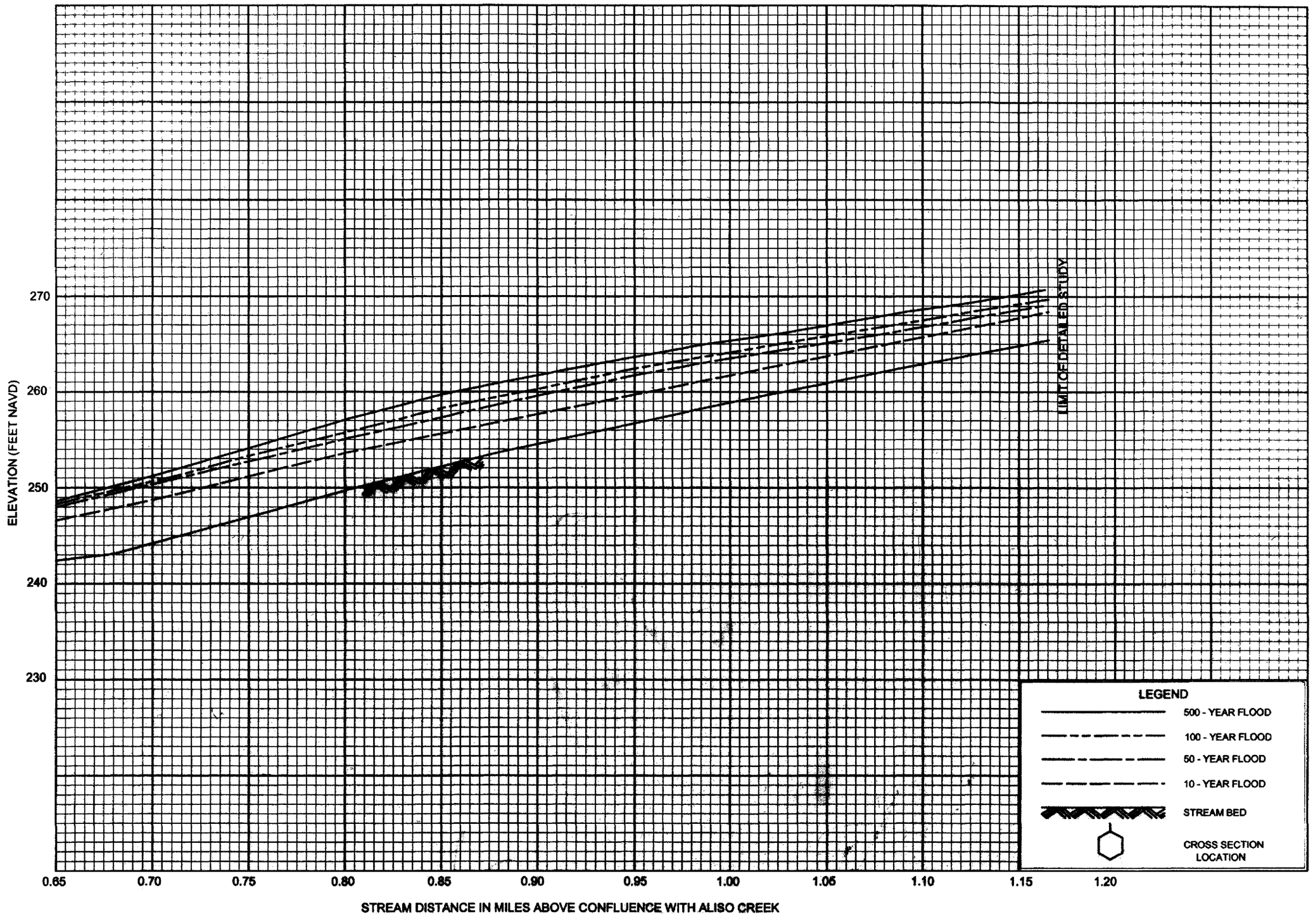
FLOOD PROFILES

FACILITY NO. J05

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

53P

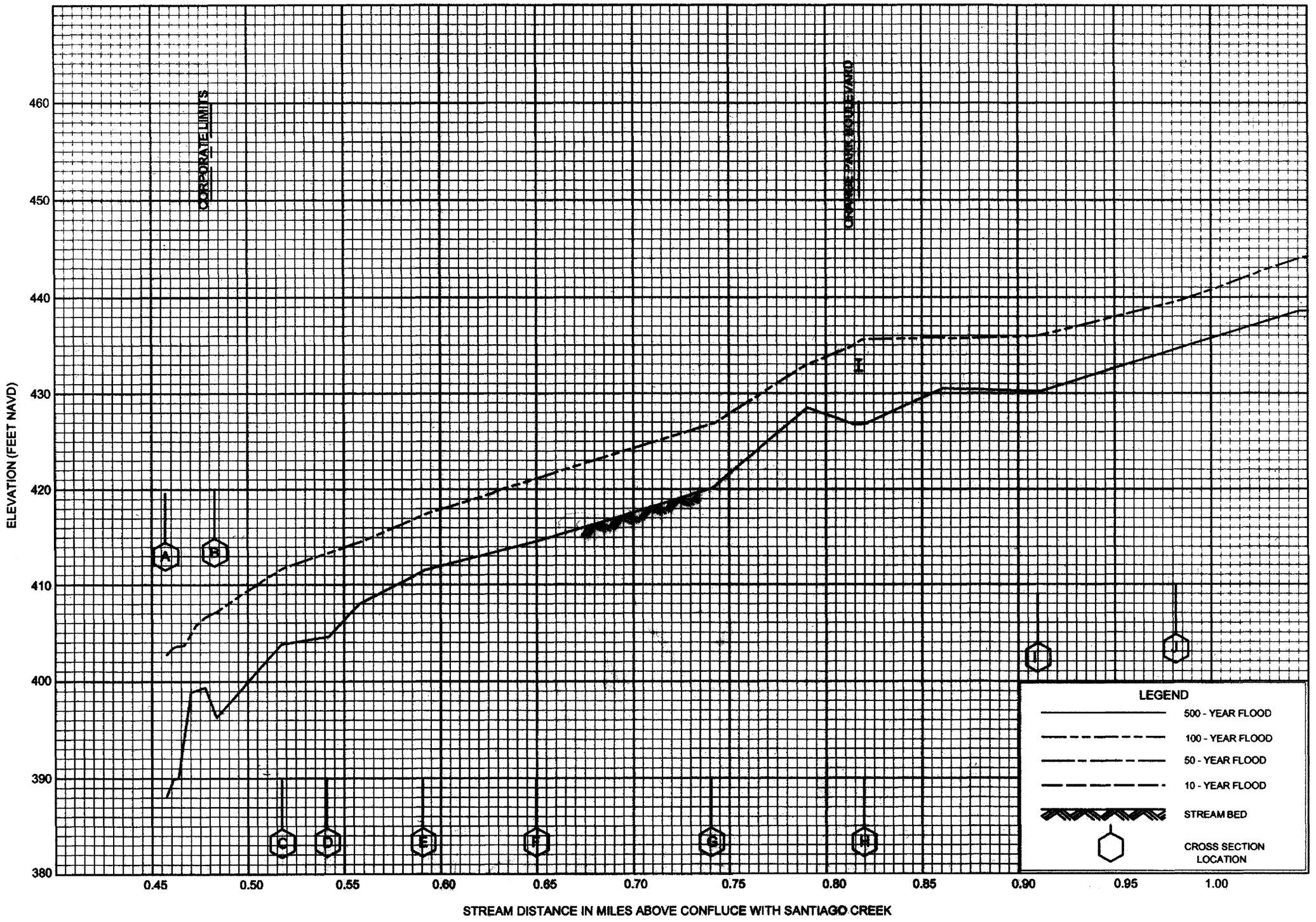


FLOOD PROFILES

FACILITY NO. J05

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



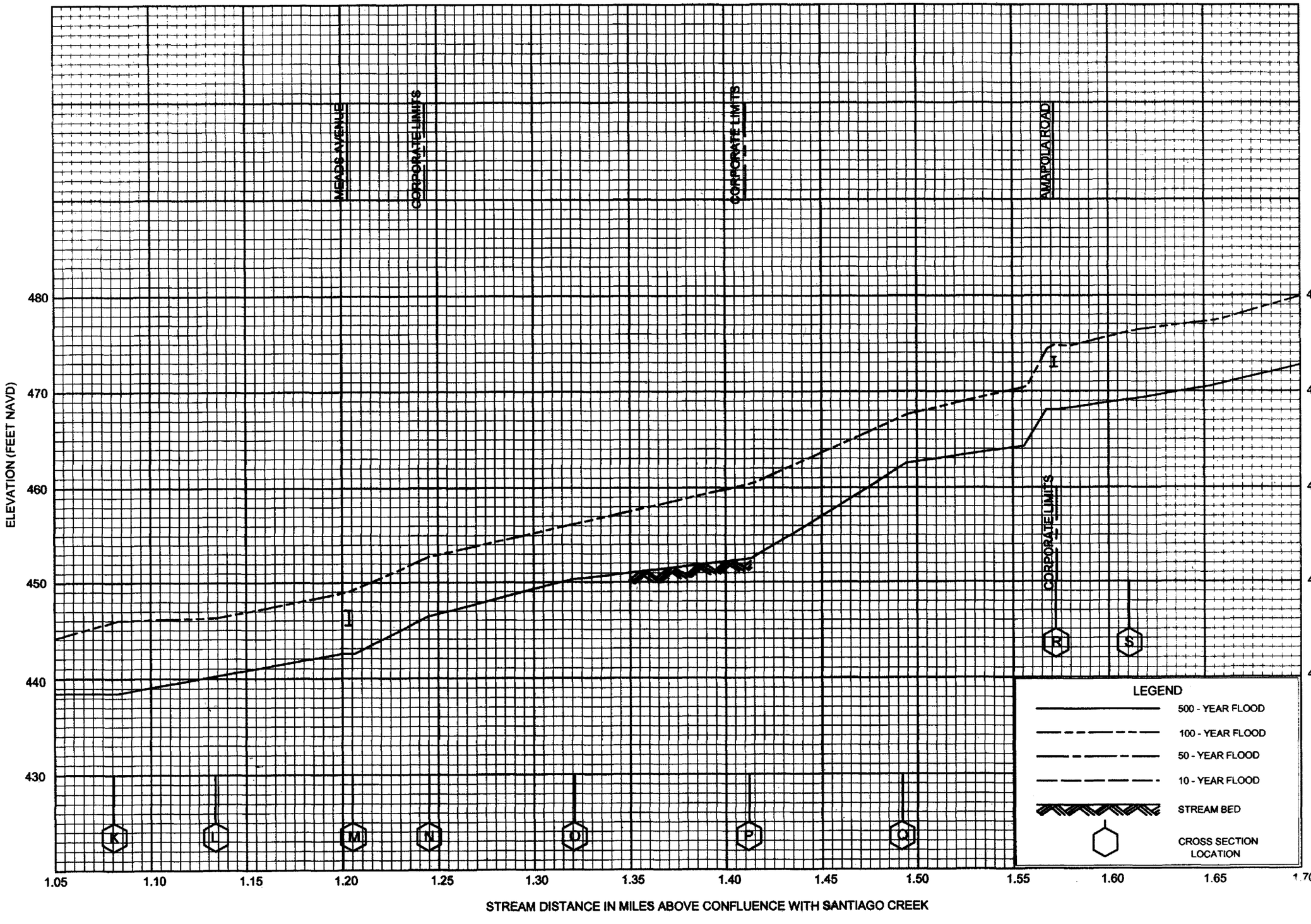
FLOOD PROFILES

HANDY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

55P



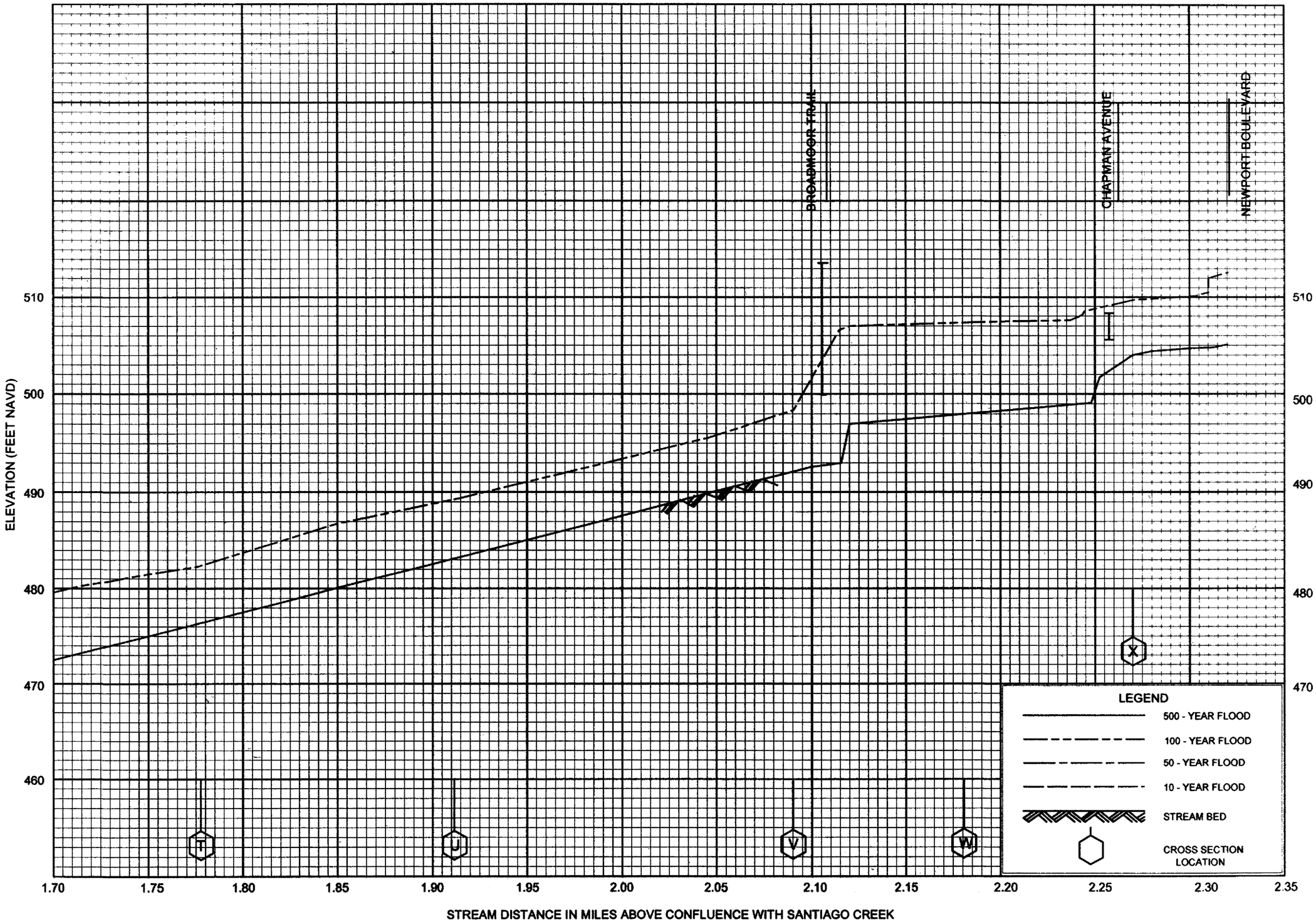
FLOOD PROFILES

HANDY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

56P

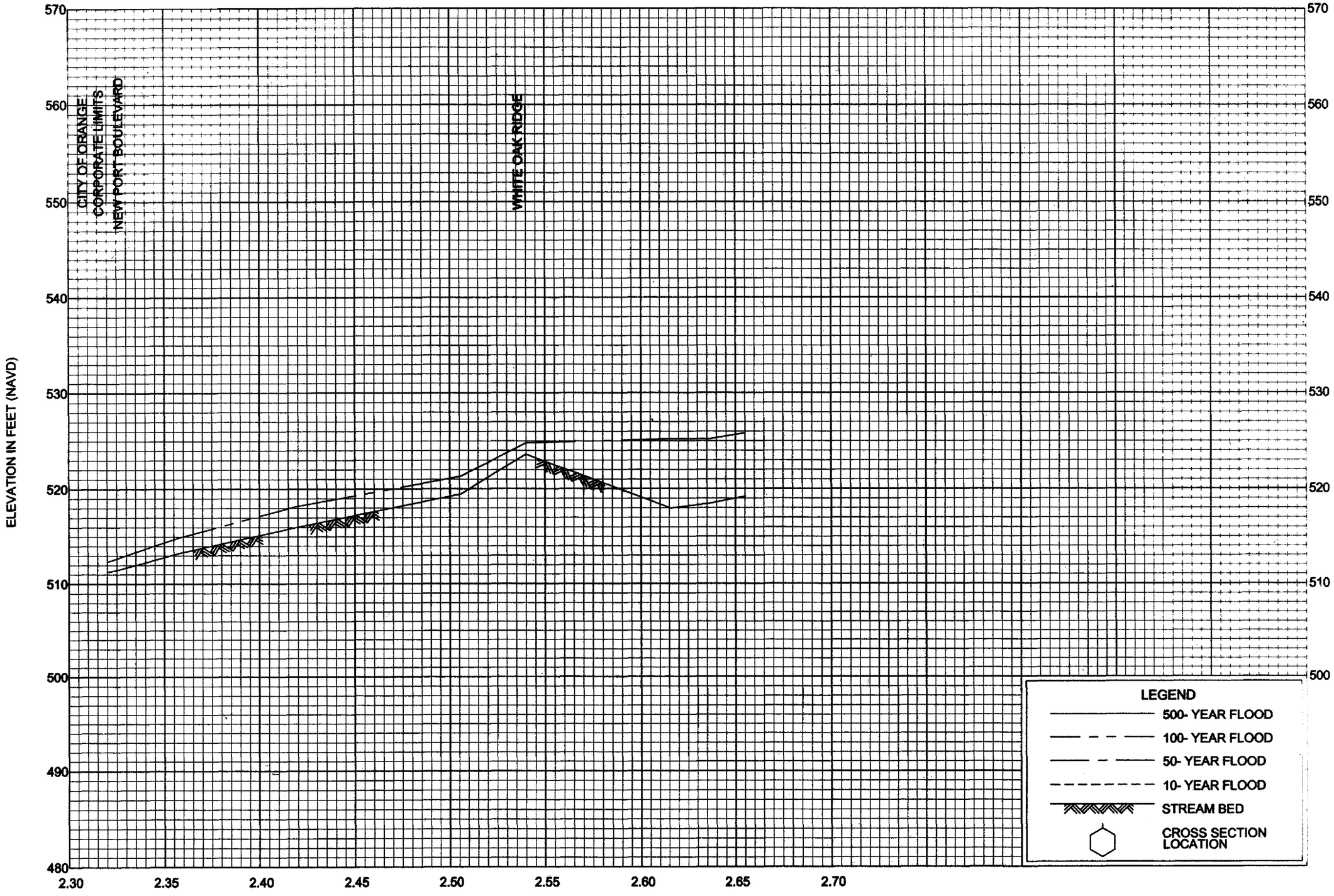


FLOOD PROFILES

HANDY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



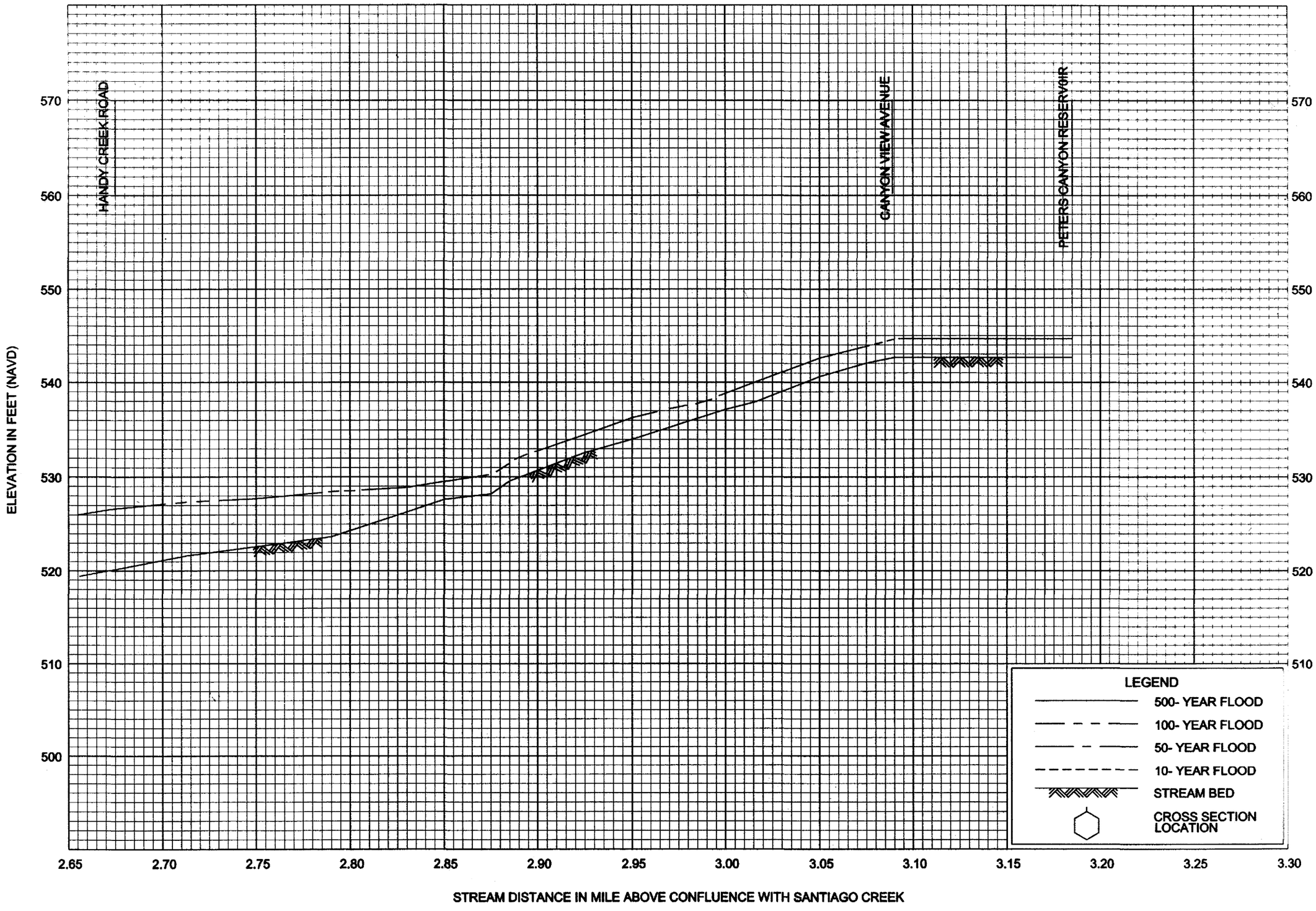
FLOOD PROFILES

HANDY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS



FLOOD PROFILES

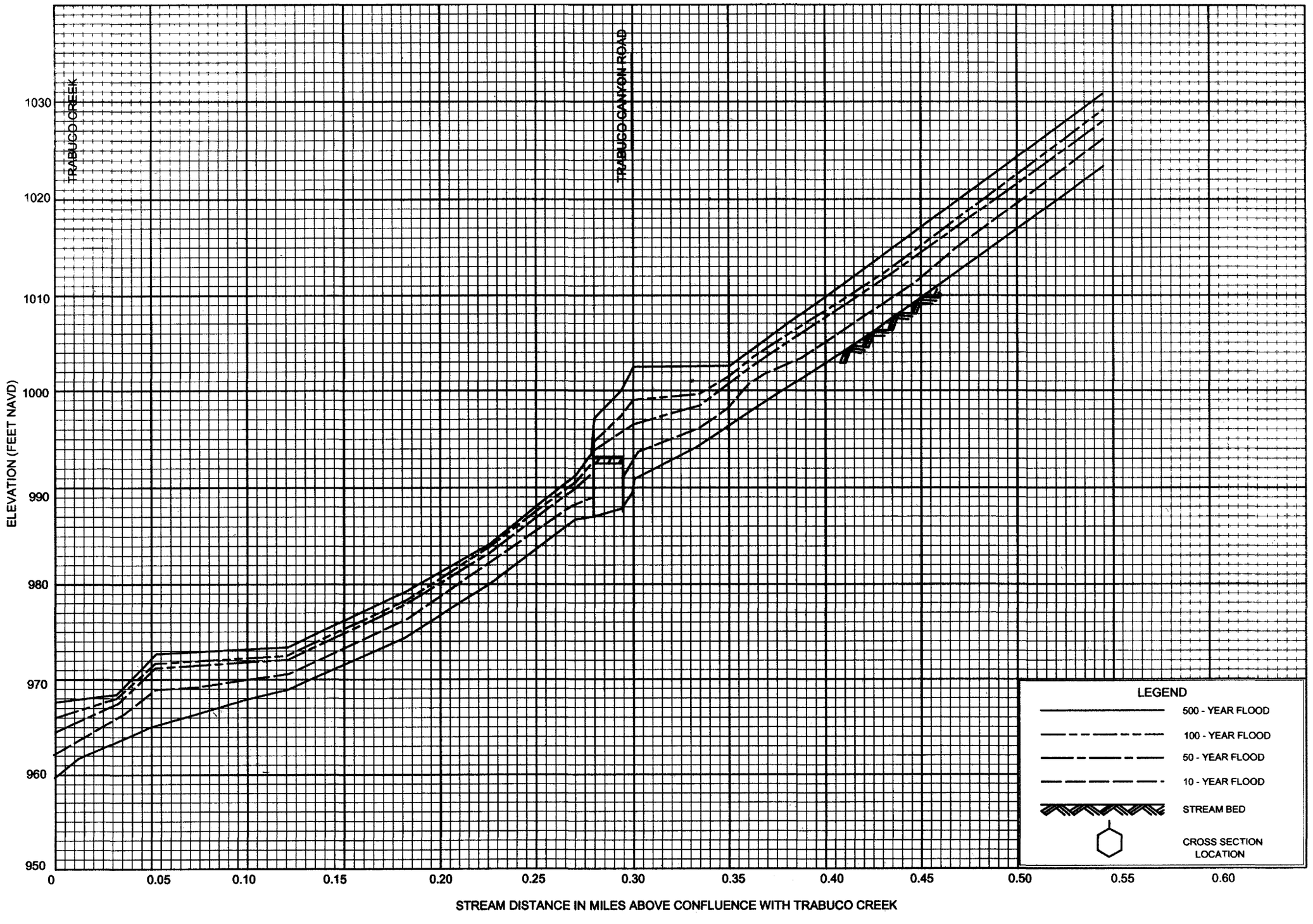
HANDY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS

59P



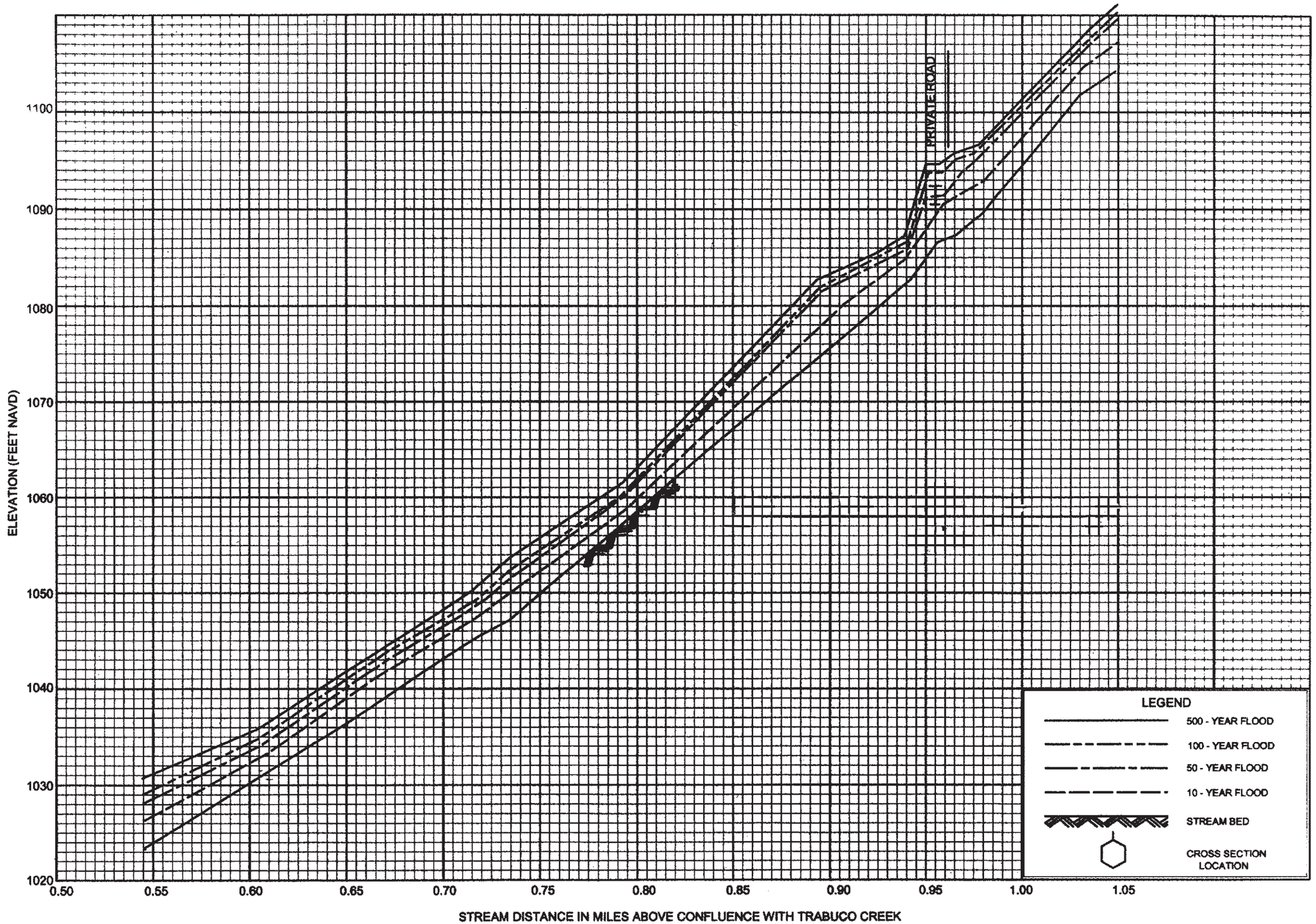
FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

60P

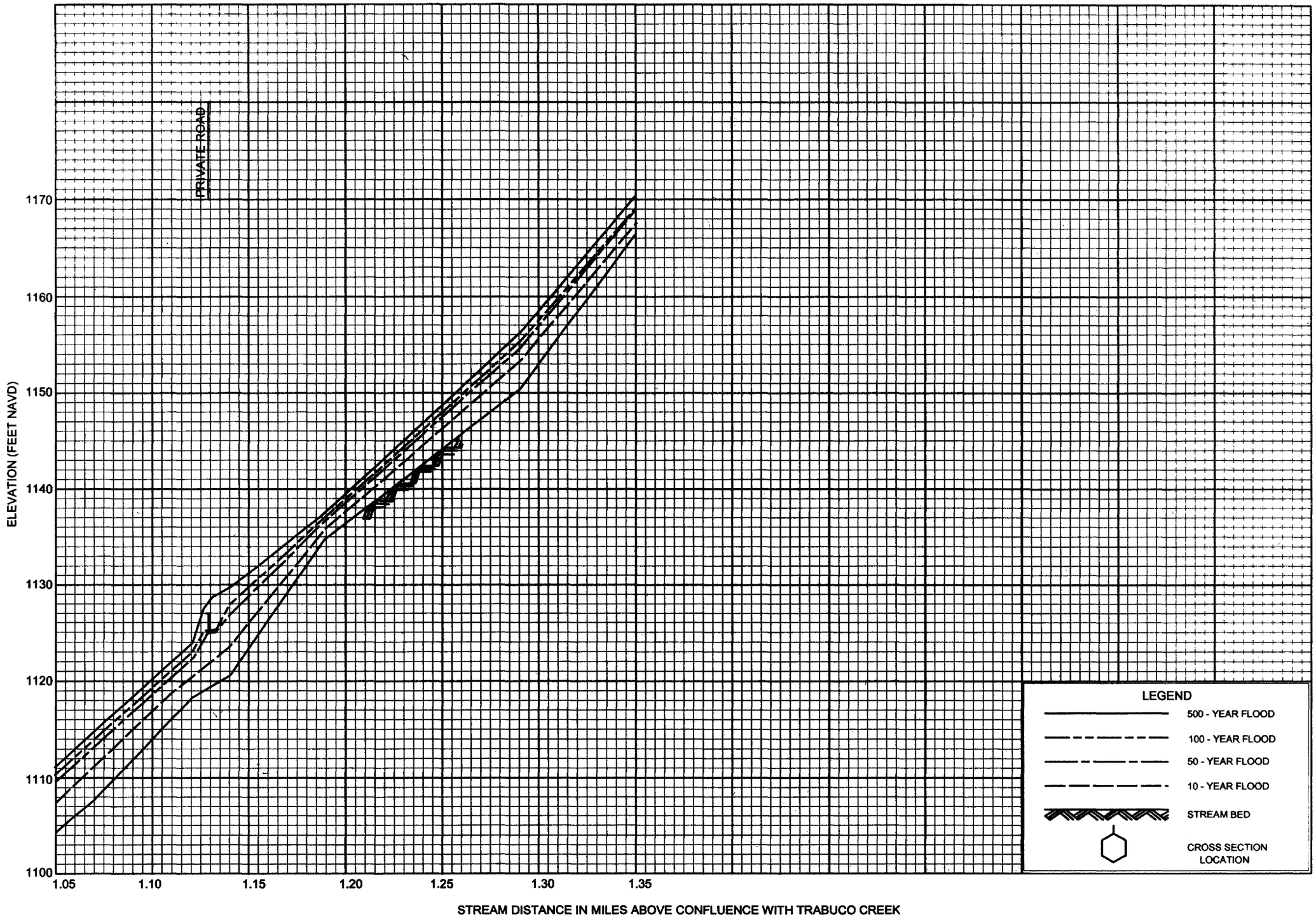


FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



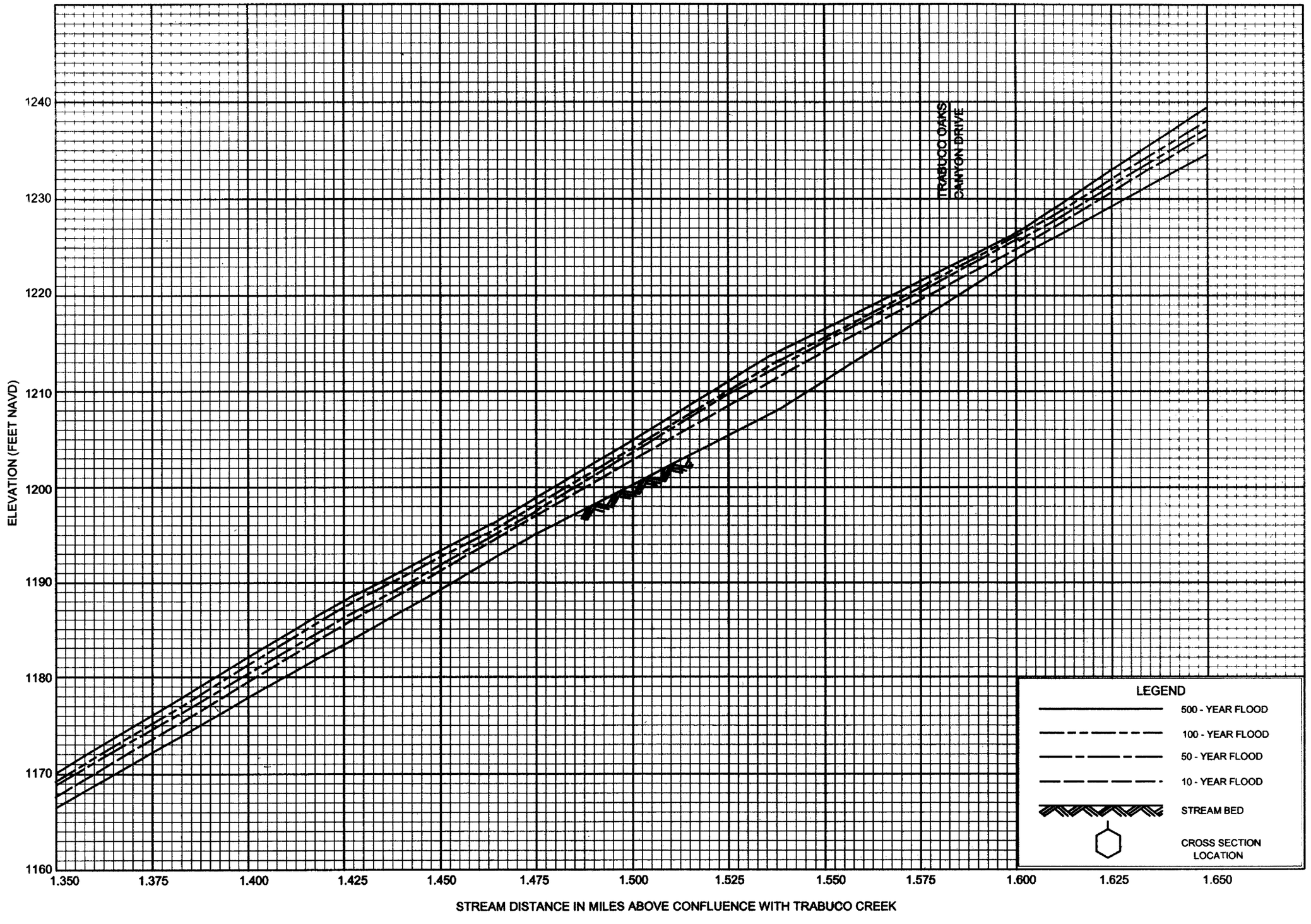
FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

62P



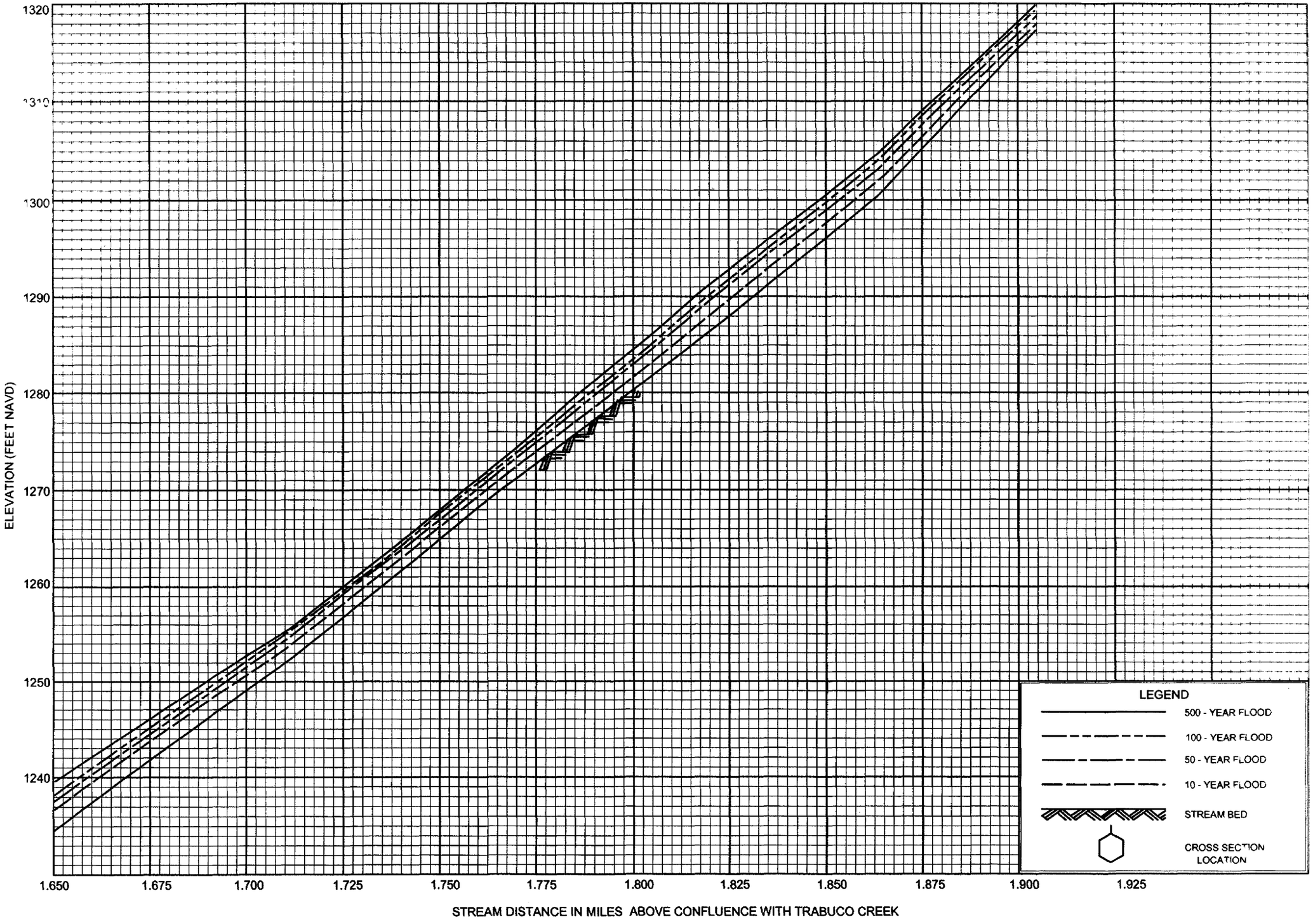
FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

63P



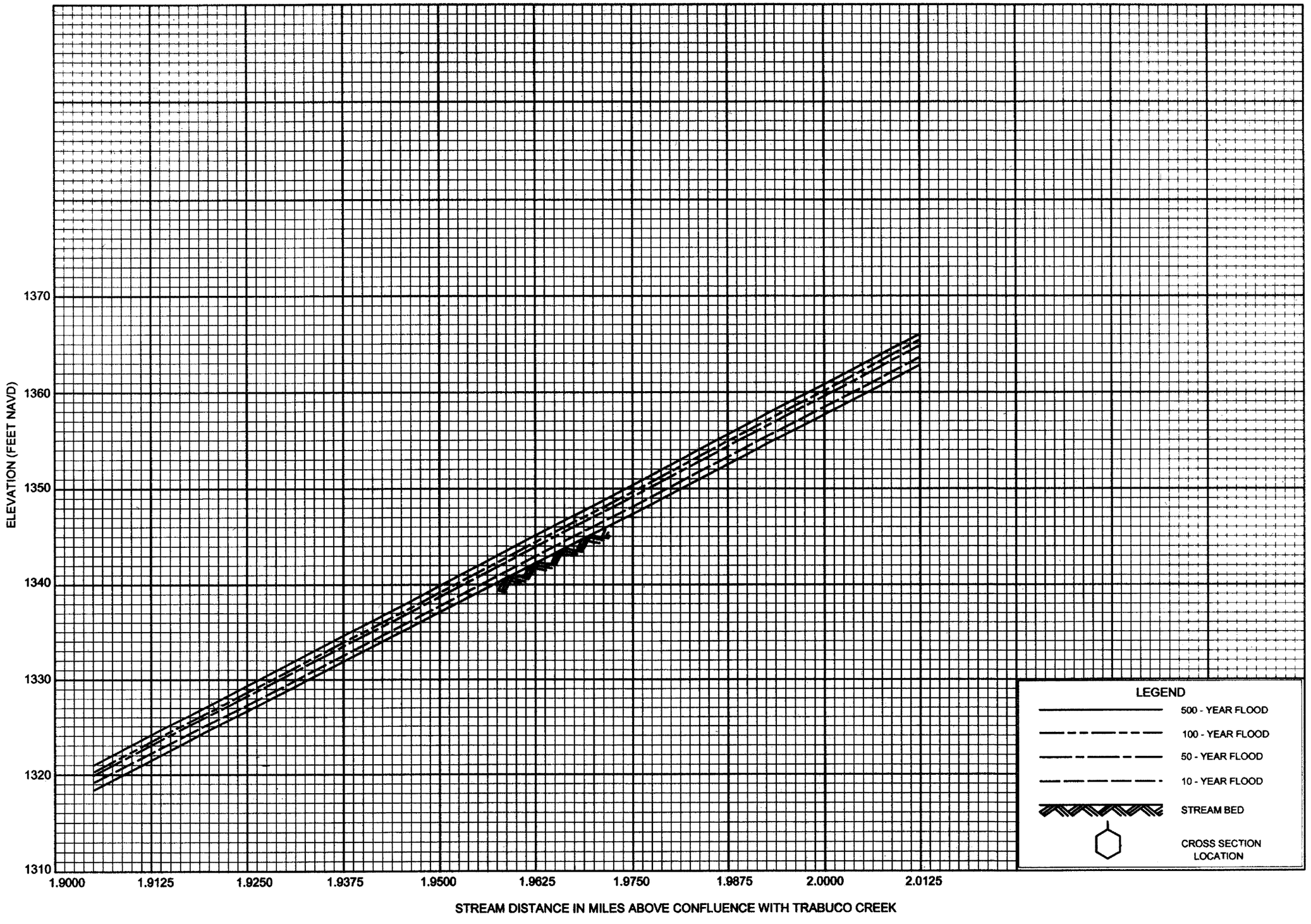
FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

64P

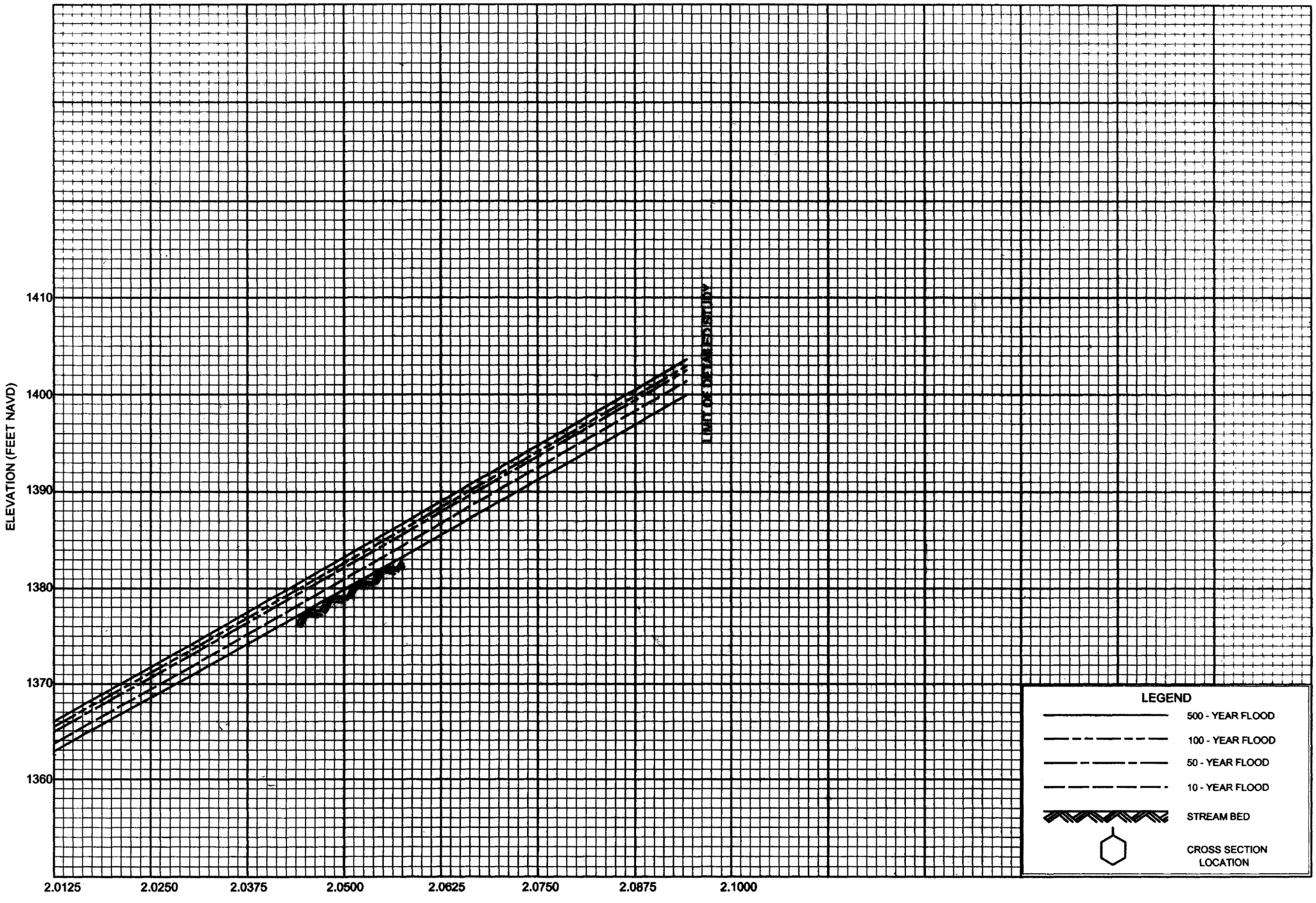


FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



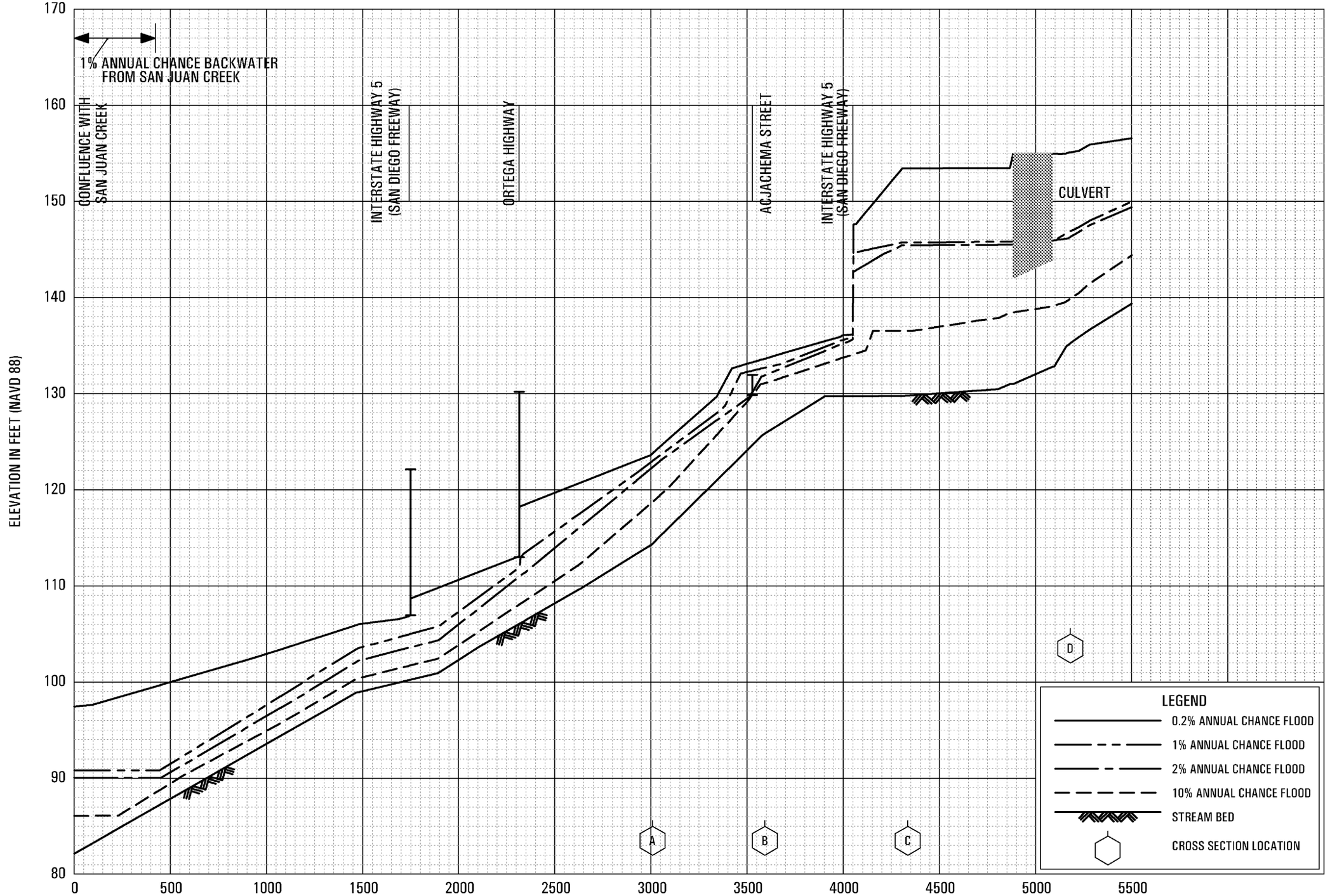
FLOOD PROFILES

HICKEY CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

66P



FLOOD PROFILES

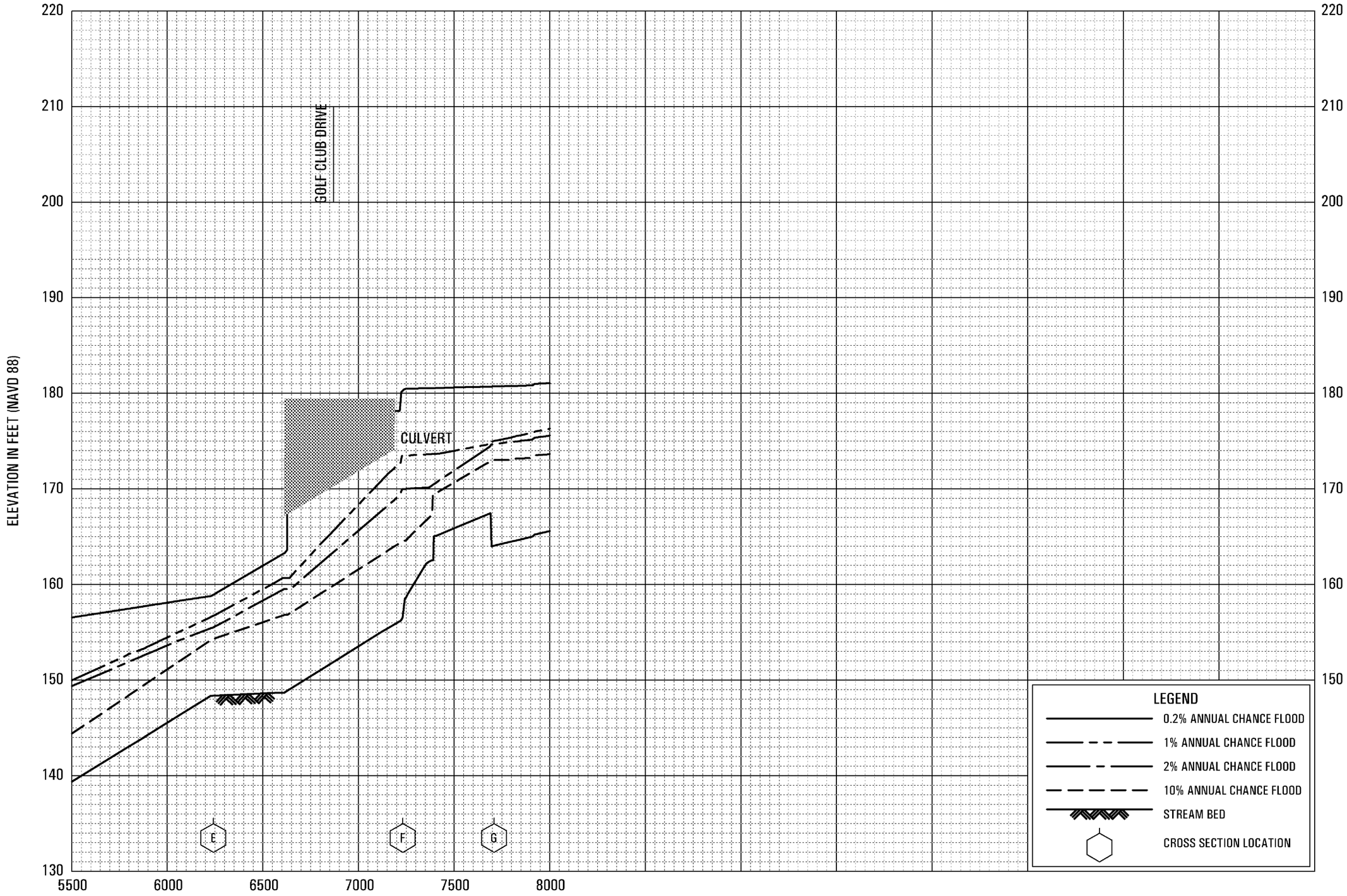
HORNO CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS

67P



FLOOD PROFILES

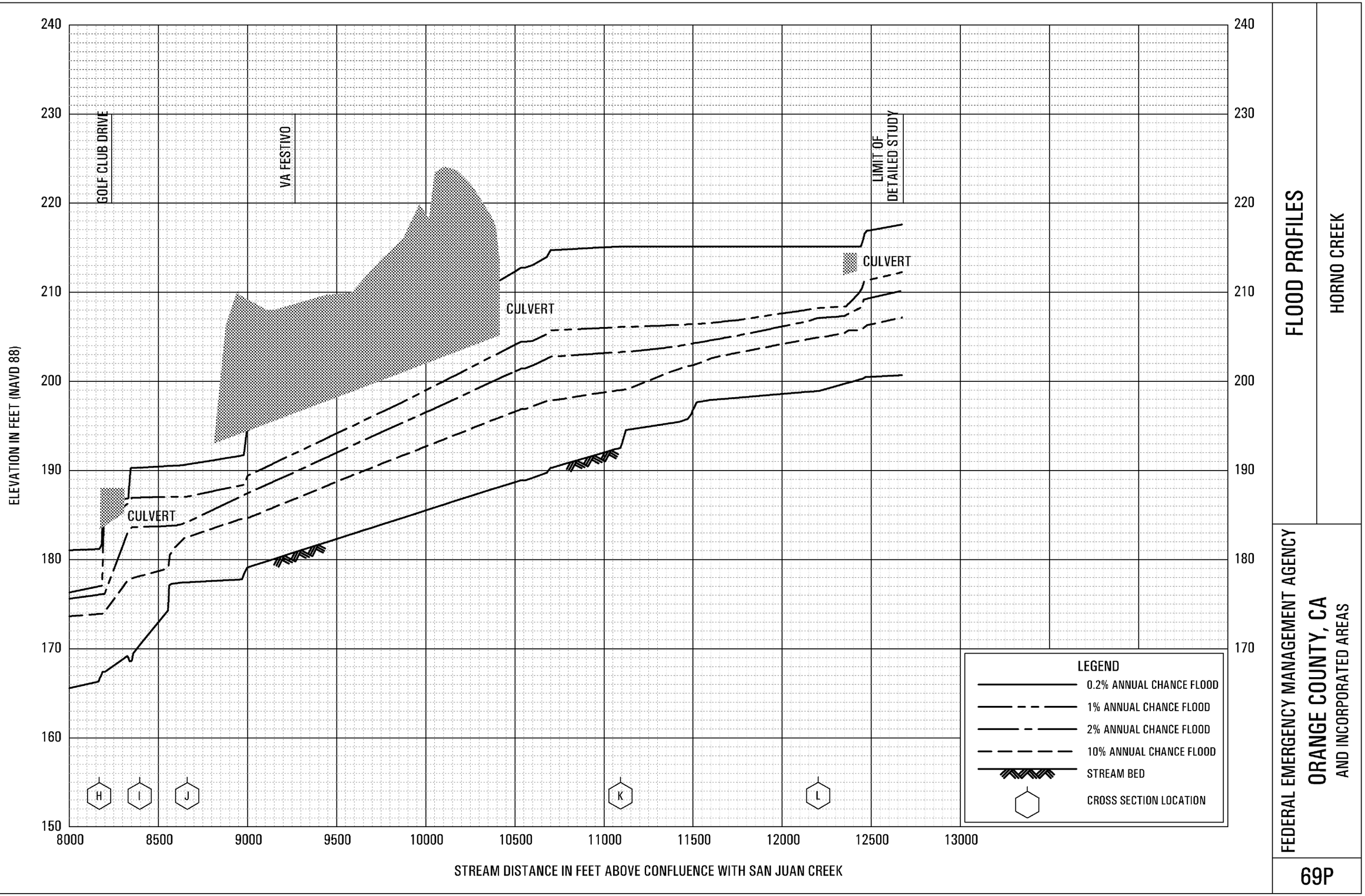
HORNO CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS

68P



FLOOD PROFILES

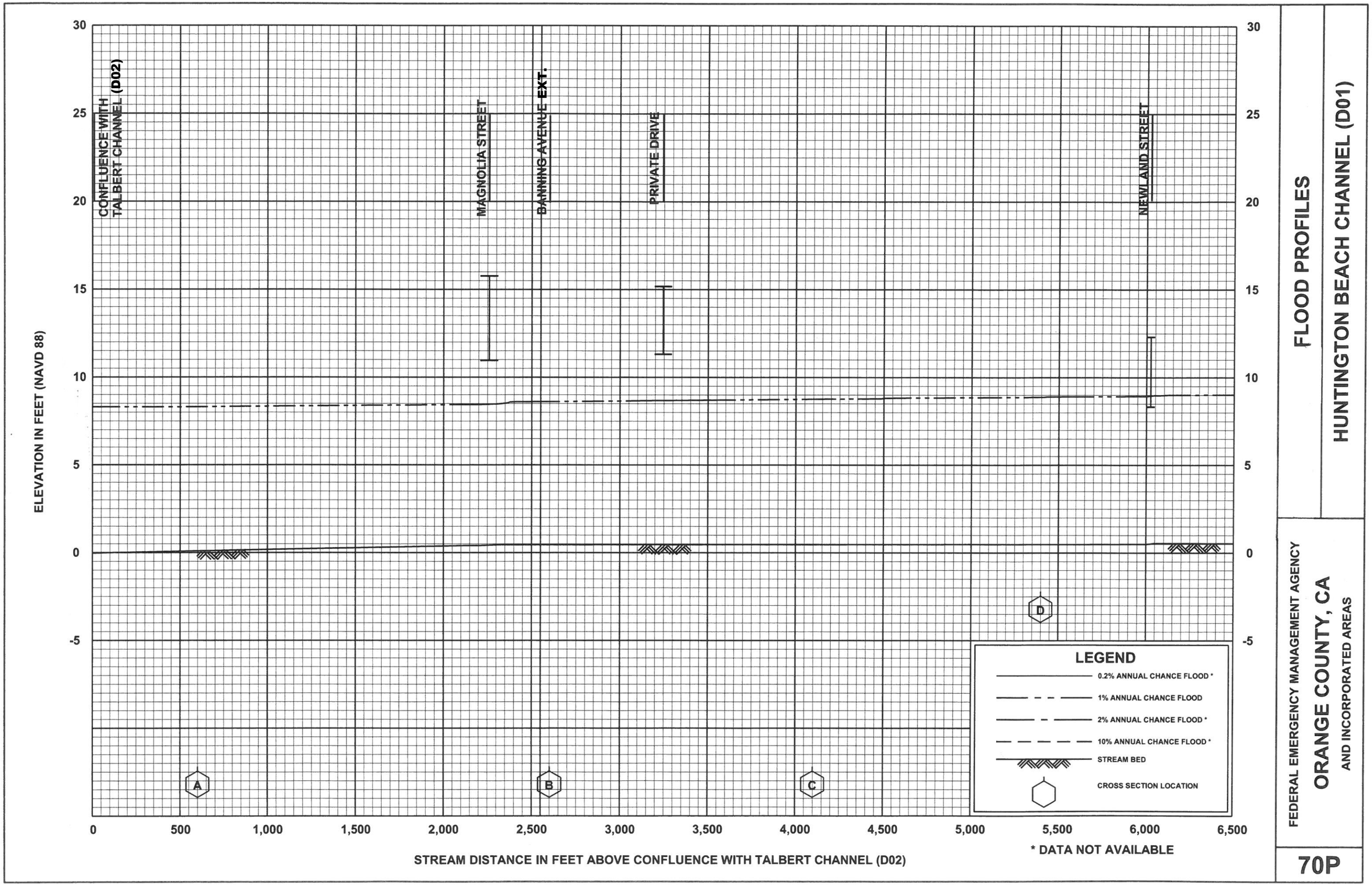
HORNO CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS

69P



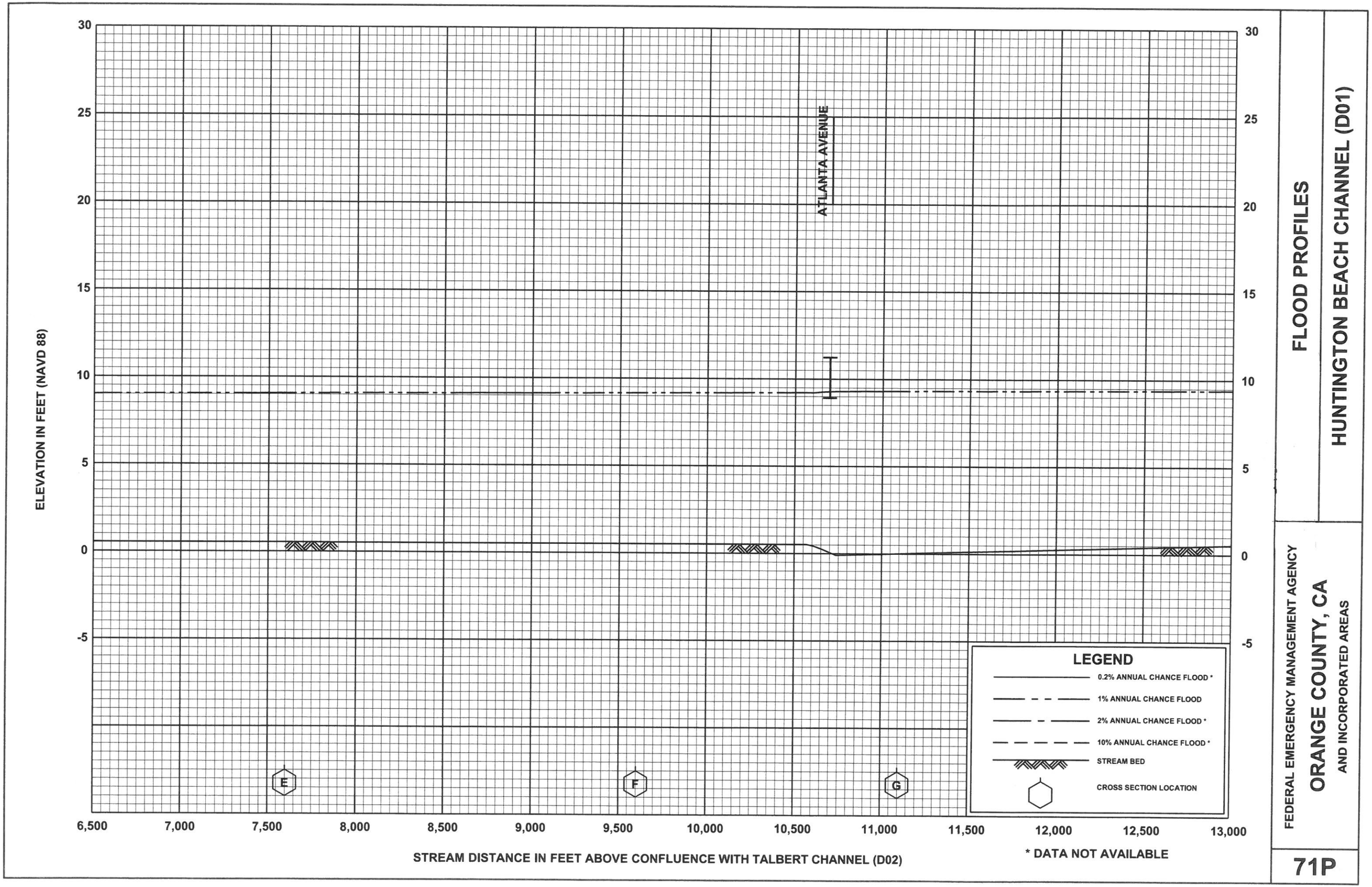
FLOOD PROFILES

HUNTINGTON BEACH CHANNEL (D01)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS



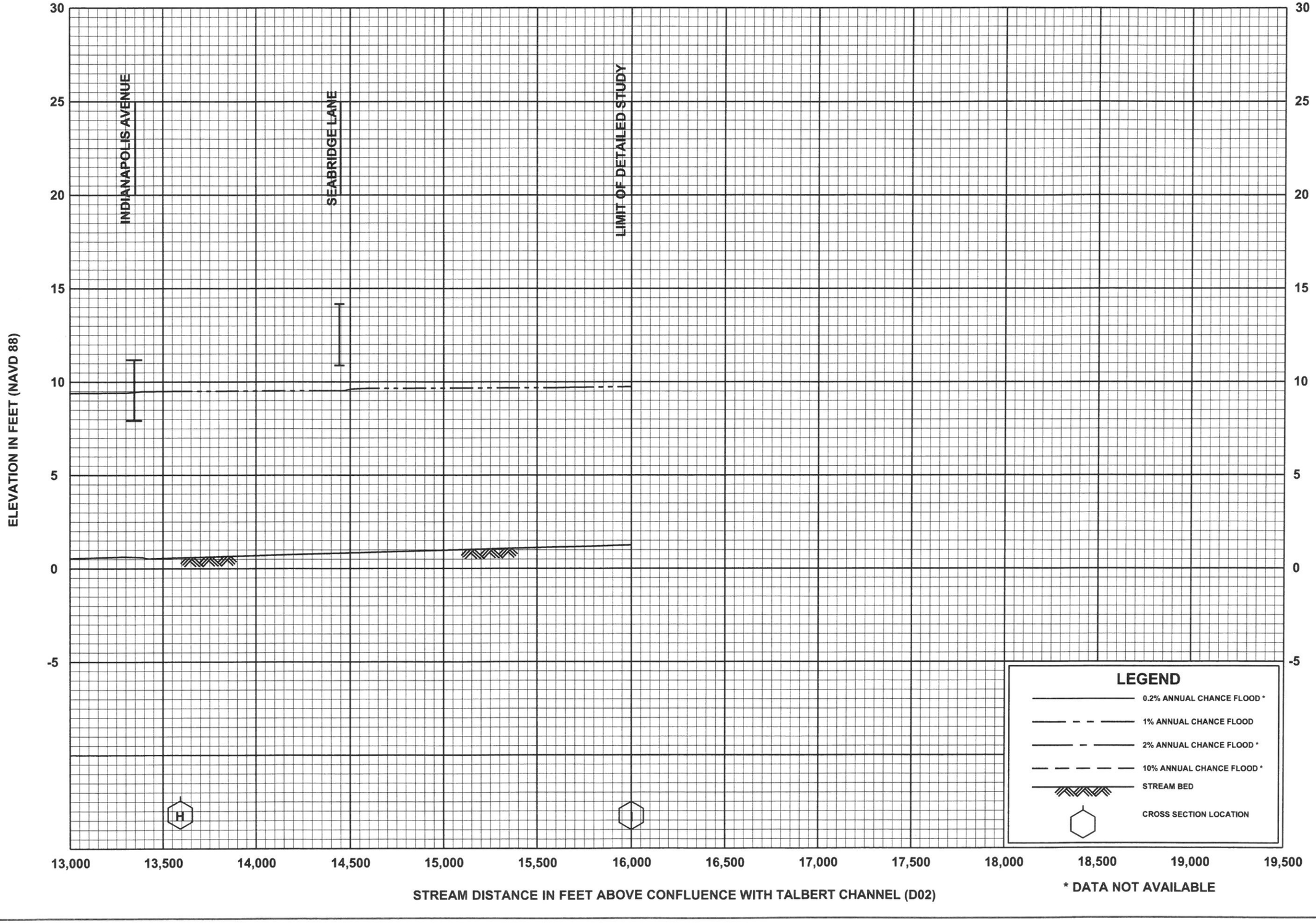
FLOOD PROFILES

HUNTINGTON BEACH CHANNEL (D01)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS



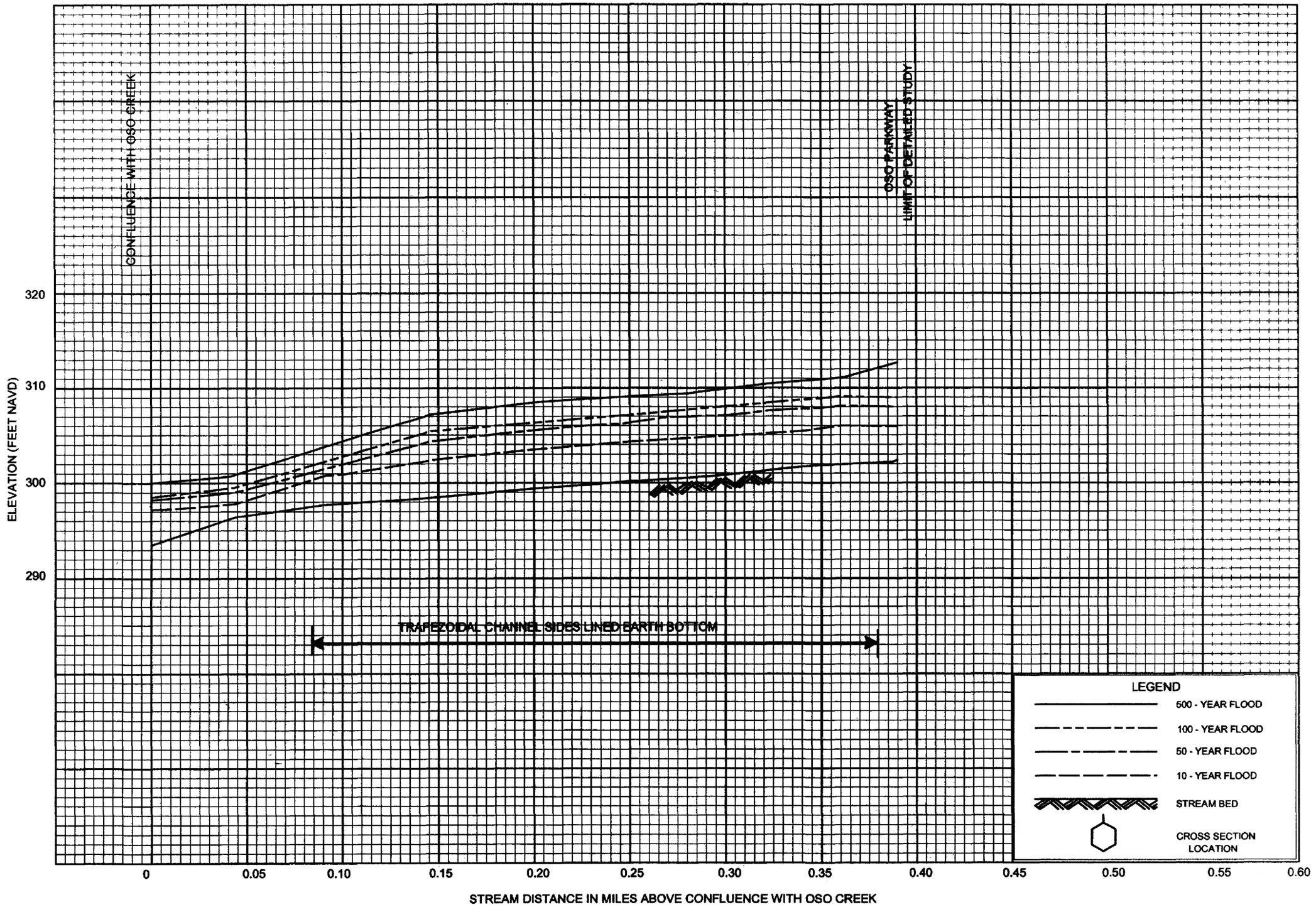
FLOOD PROFILES

HUNTINGTON BEACH CHANNEL (D01)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS



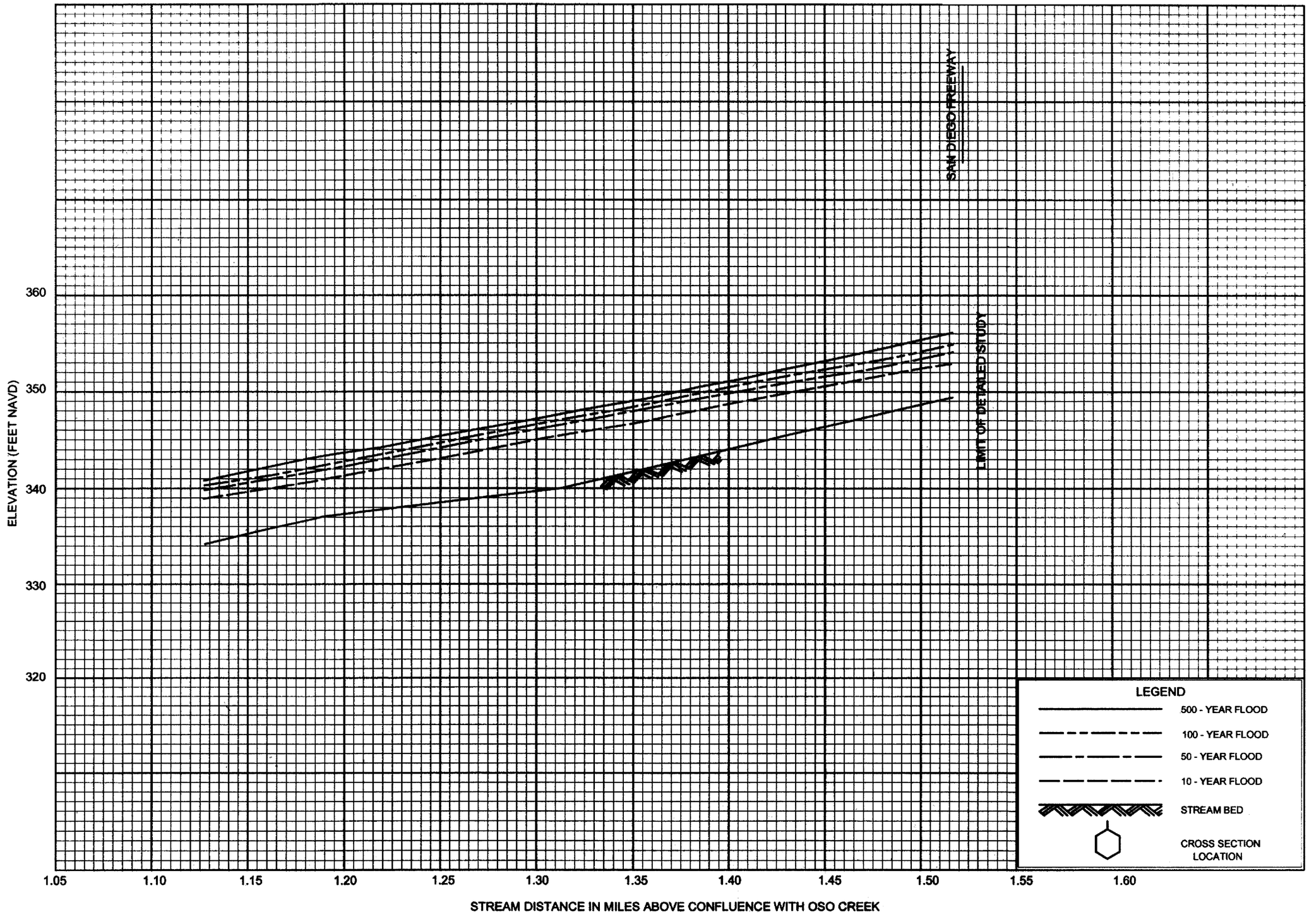
FLOOD PROFILES

LA PAZ CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

73P



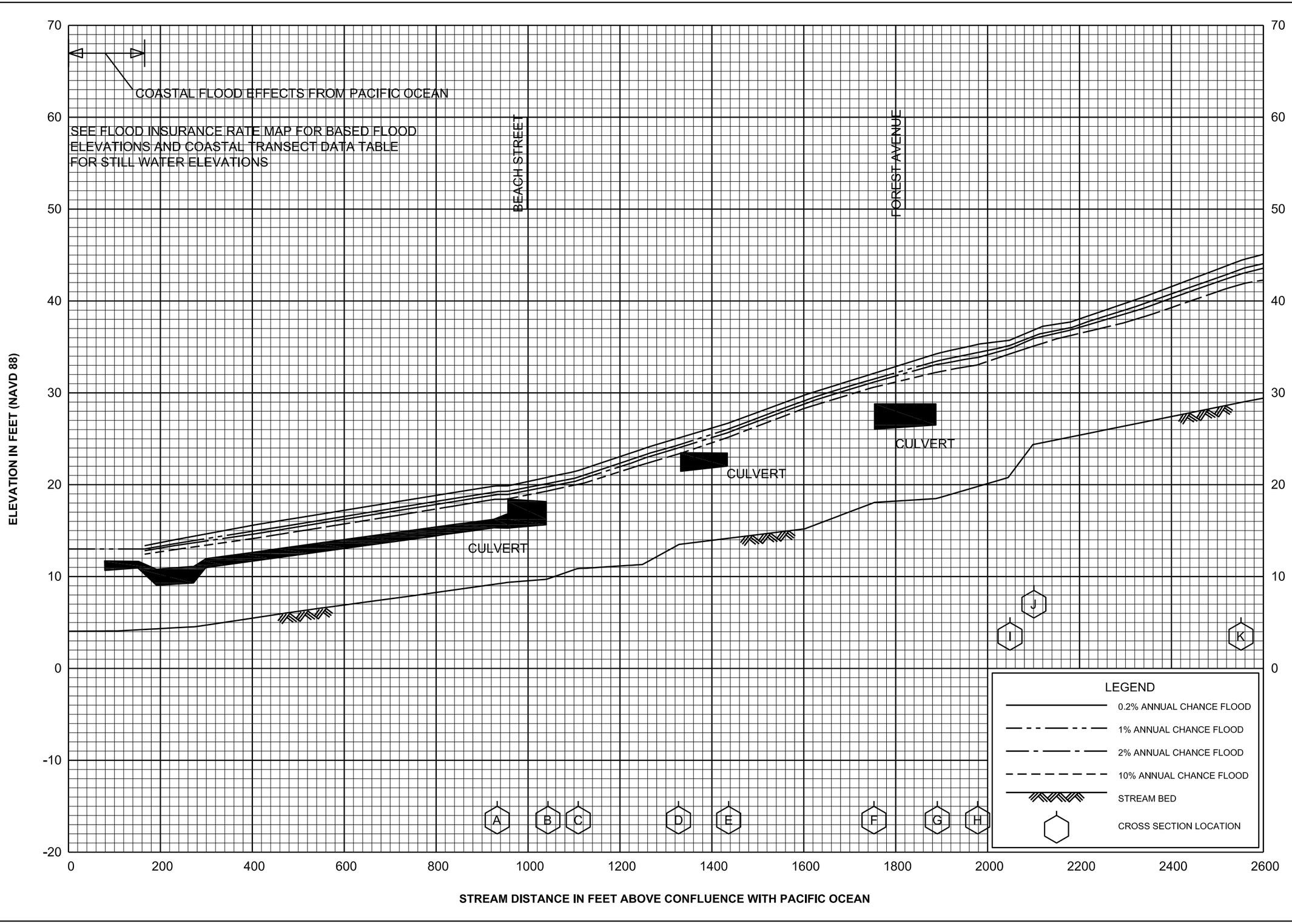
FLOOD PROFILES

LA PAZ CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

74P



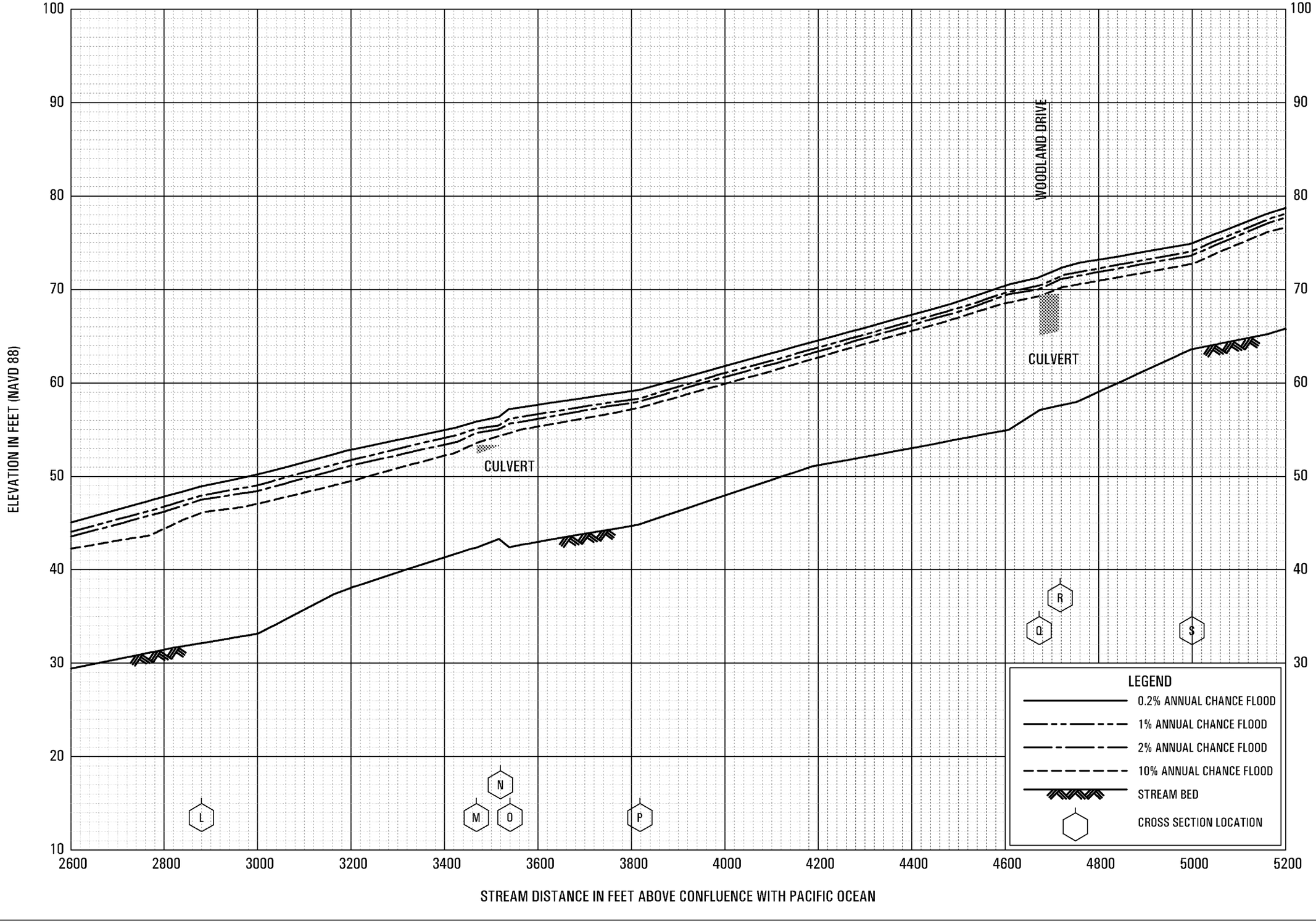
FLOOD PROFILES

LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS



FLOOD PROFILES

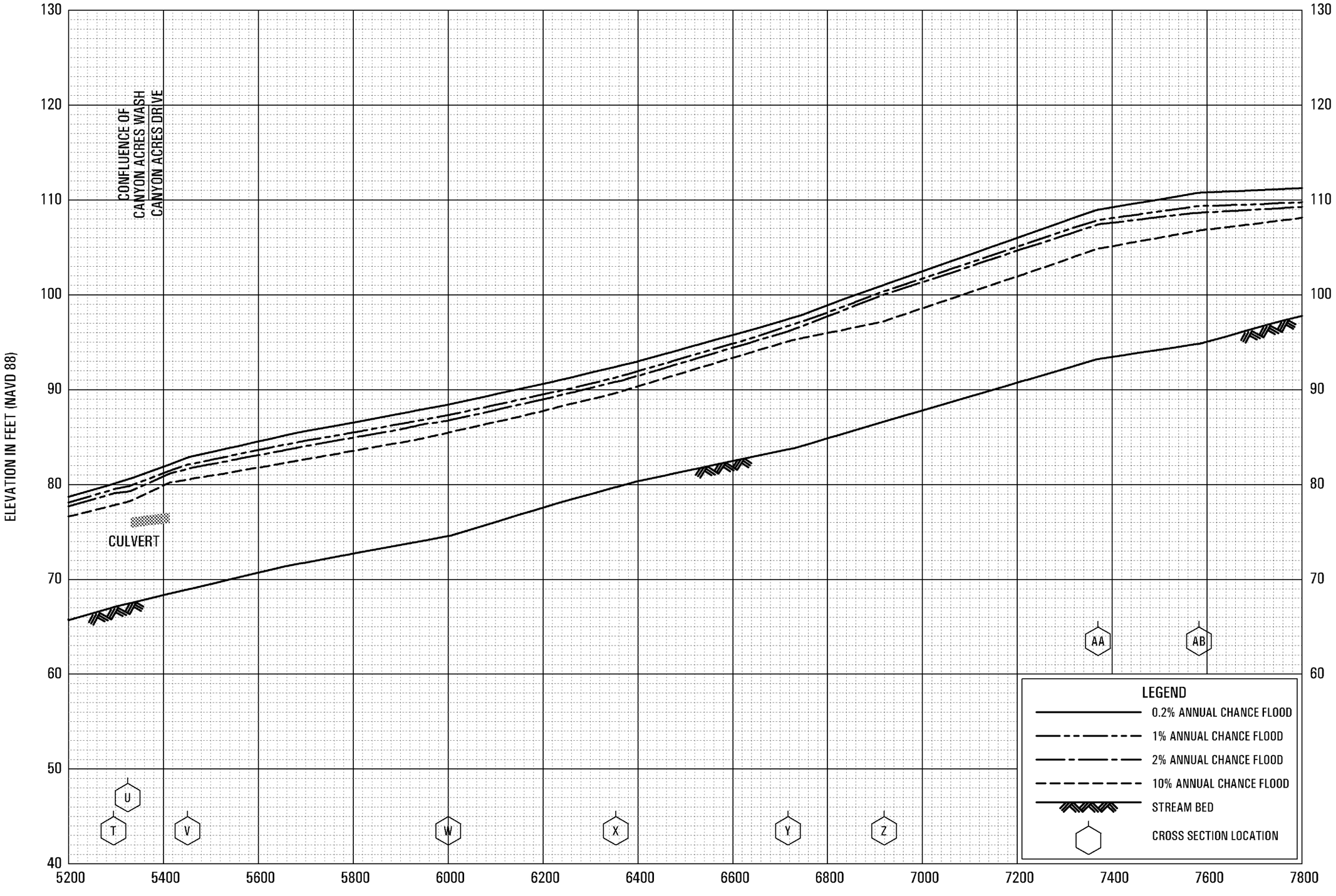
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS

76P



FLOOD PROFILES

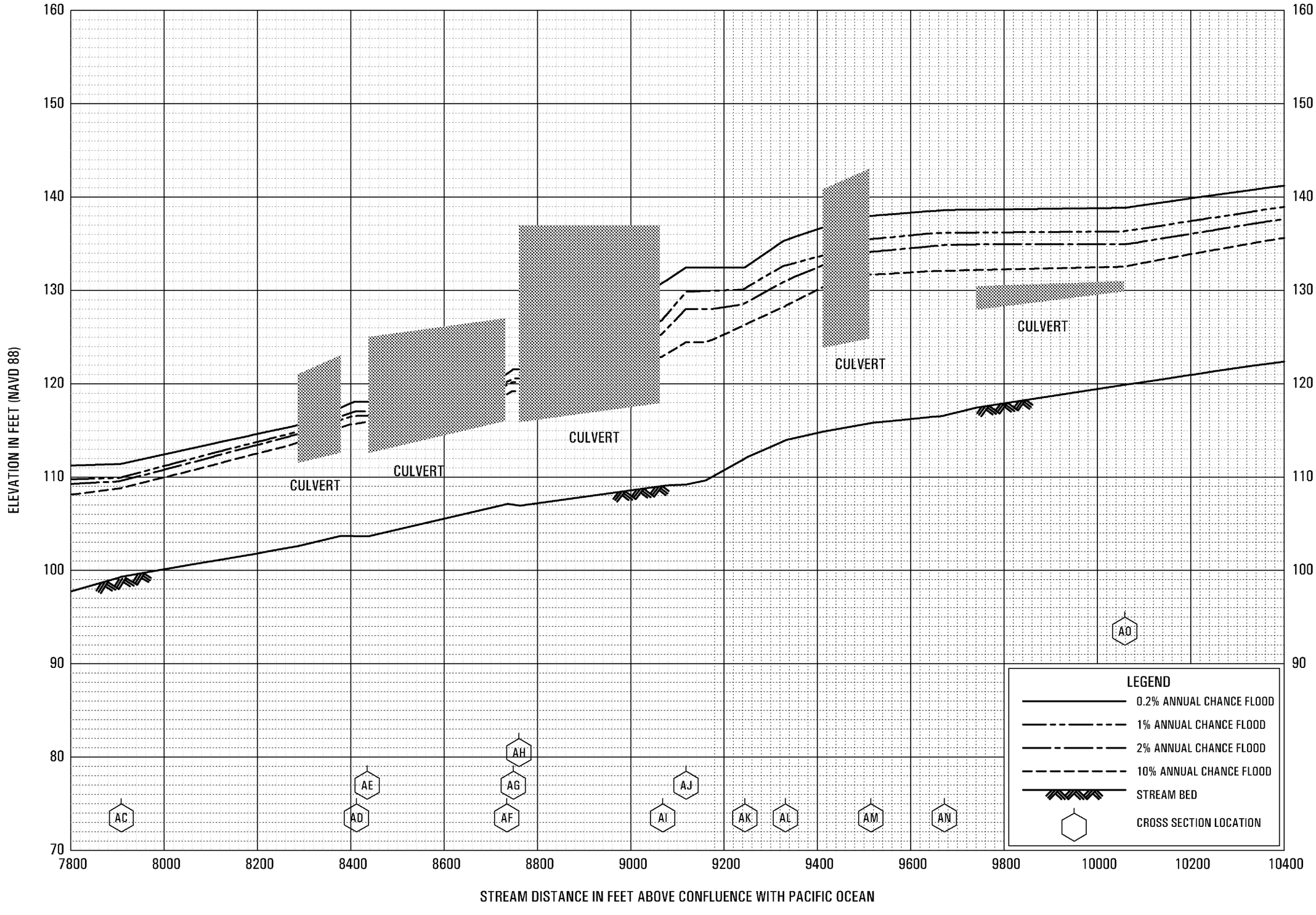
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS

77P



FLOOD PROFILES

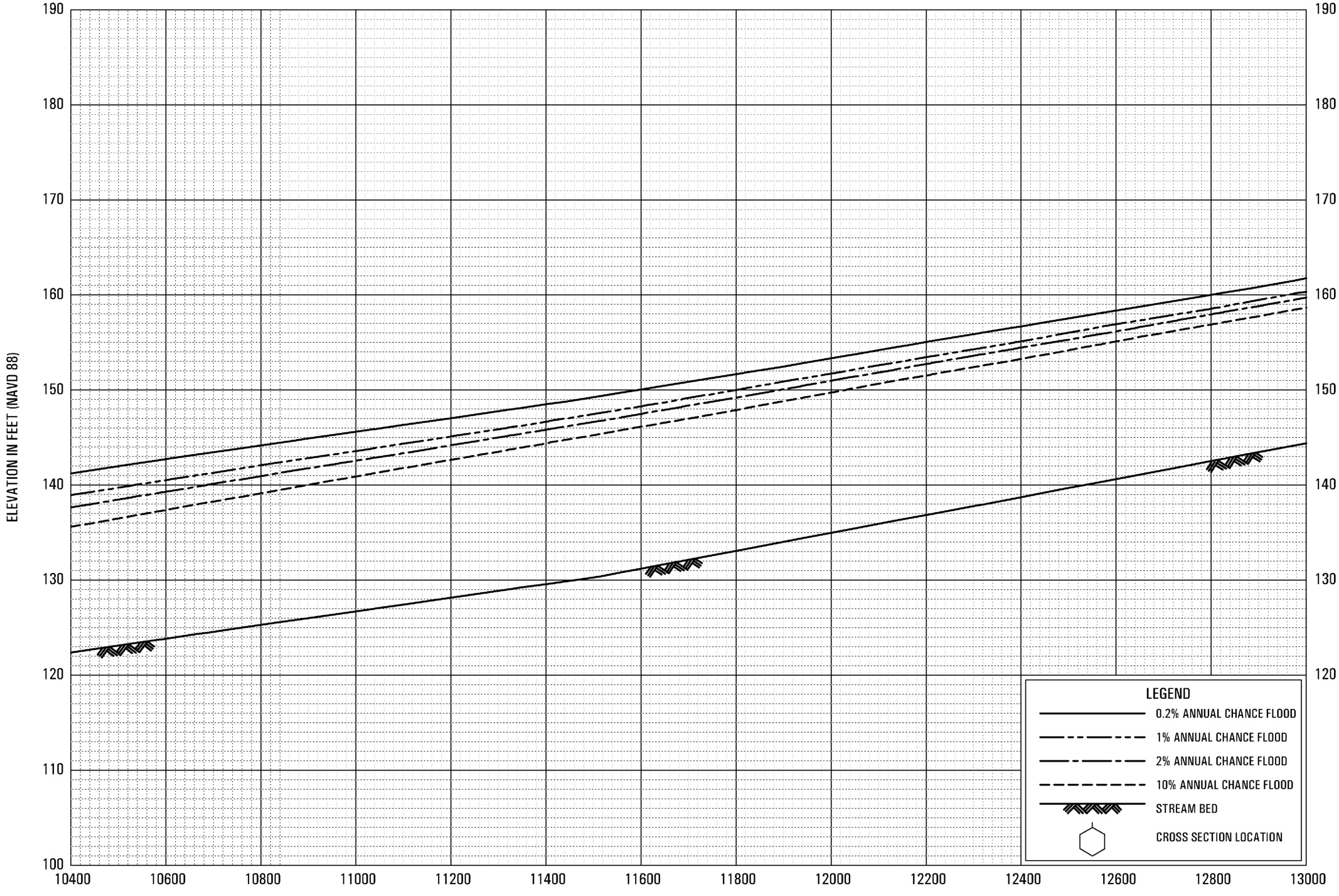
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS

78P



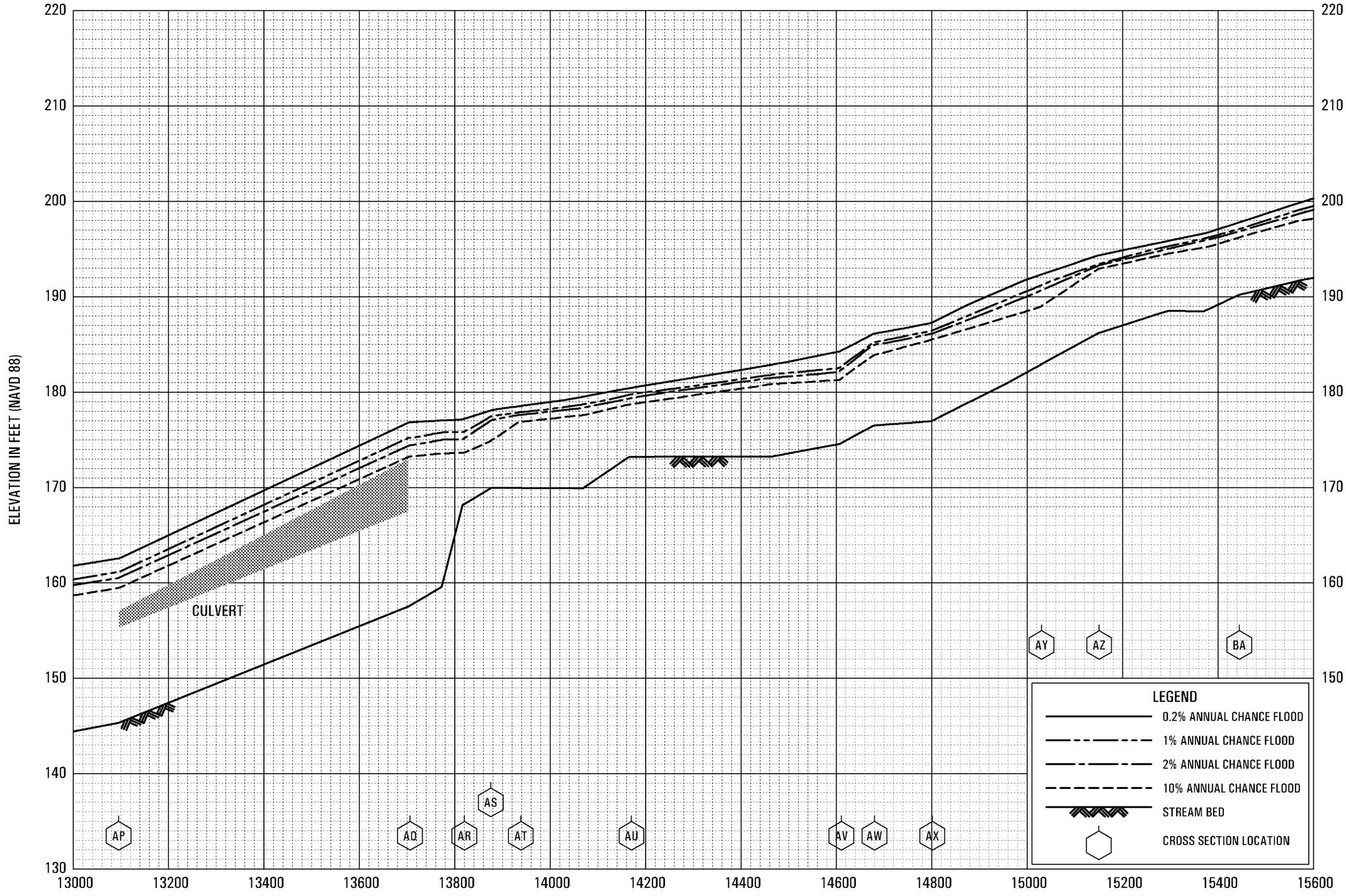
FLOOD PROFILES

LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS



FLOOD PROFILES

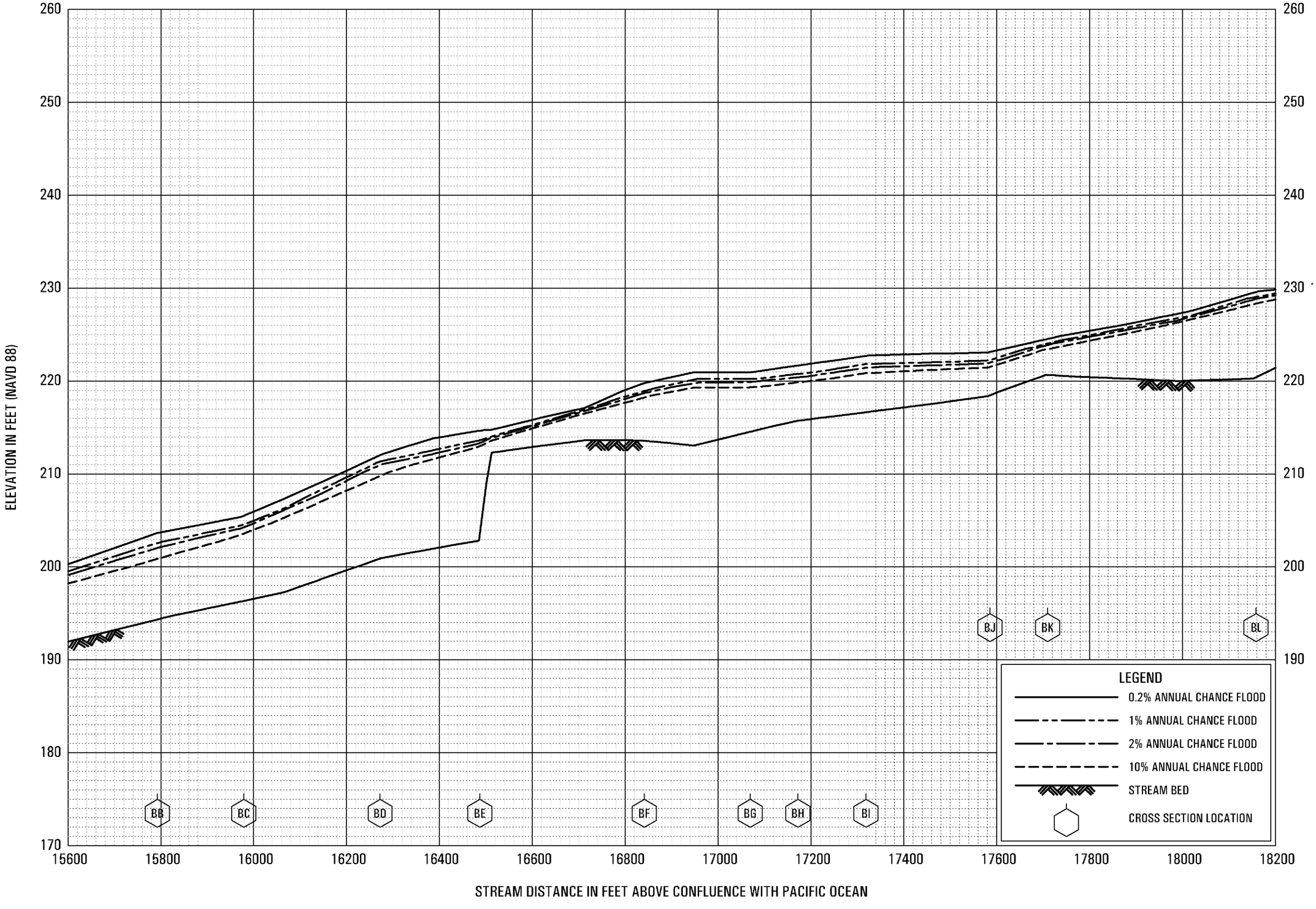
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS

80P



FLOOD PROFILES

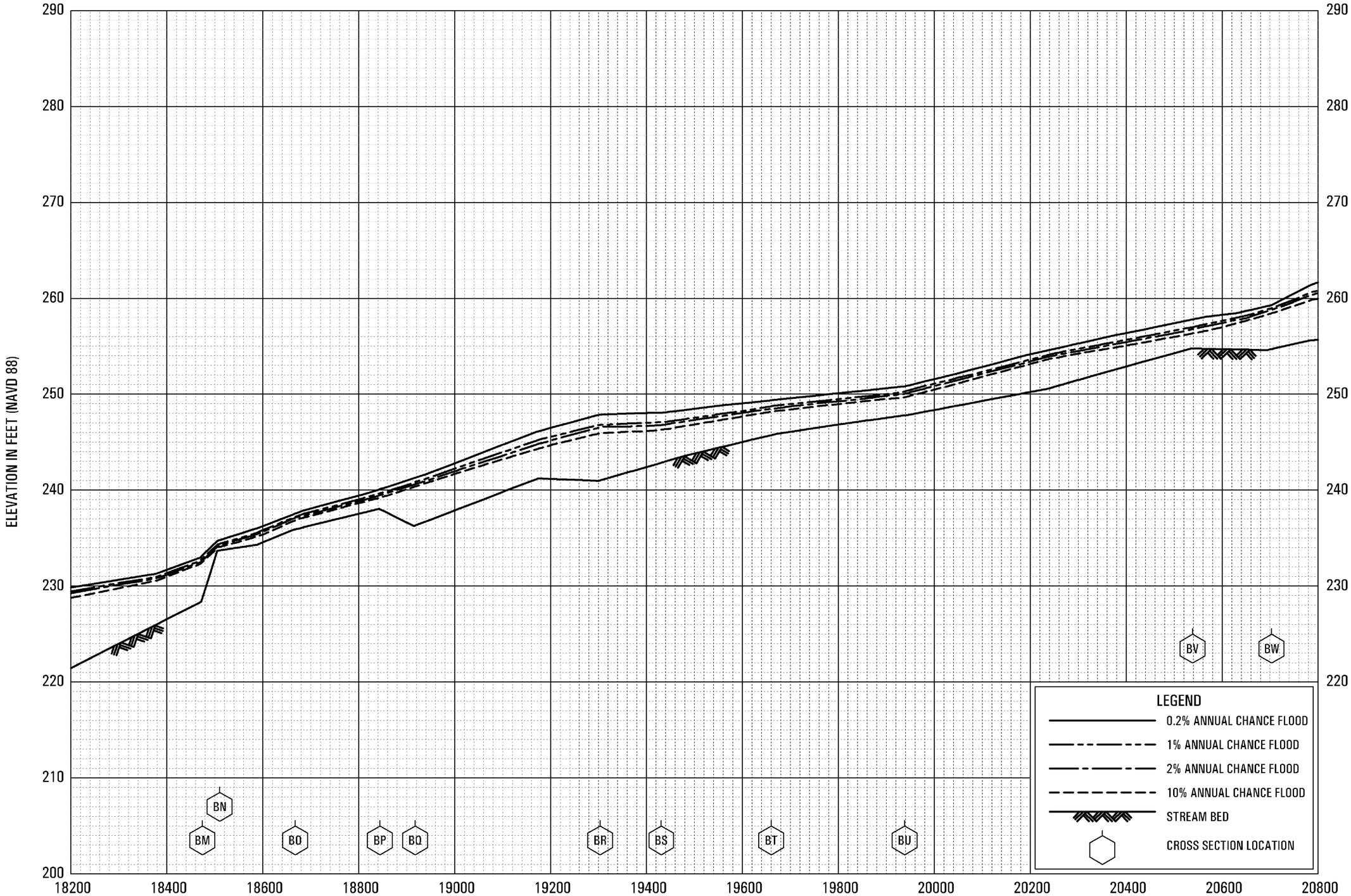
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS

81P



FLOOD PROFILES

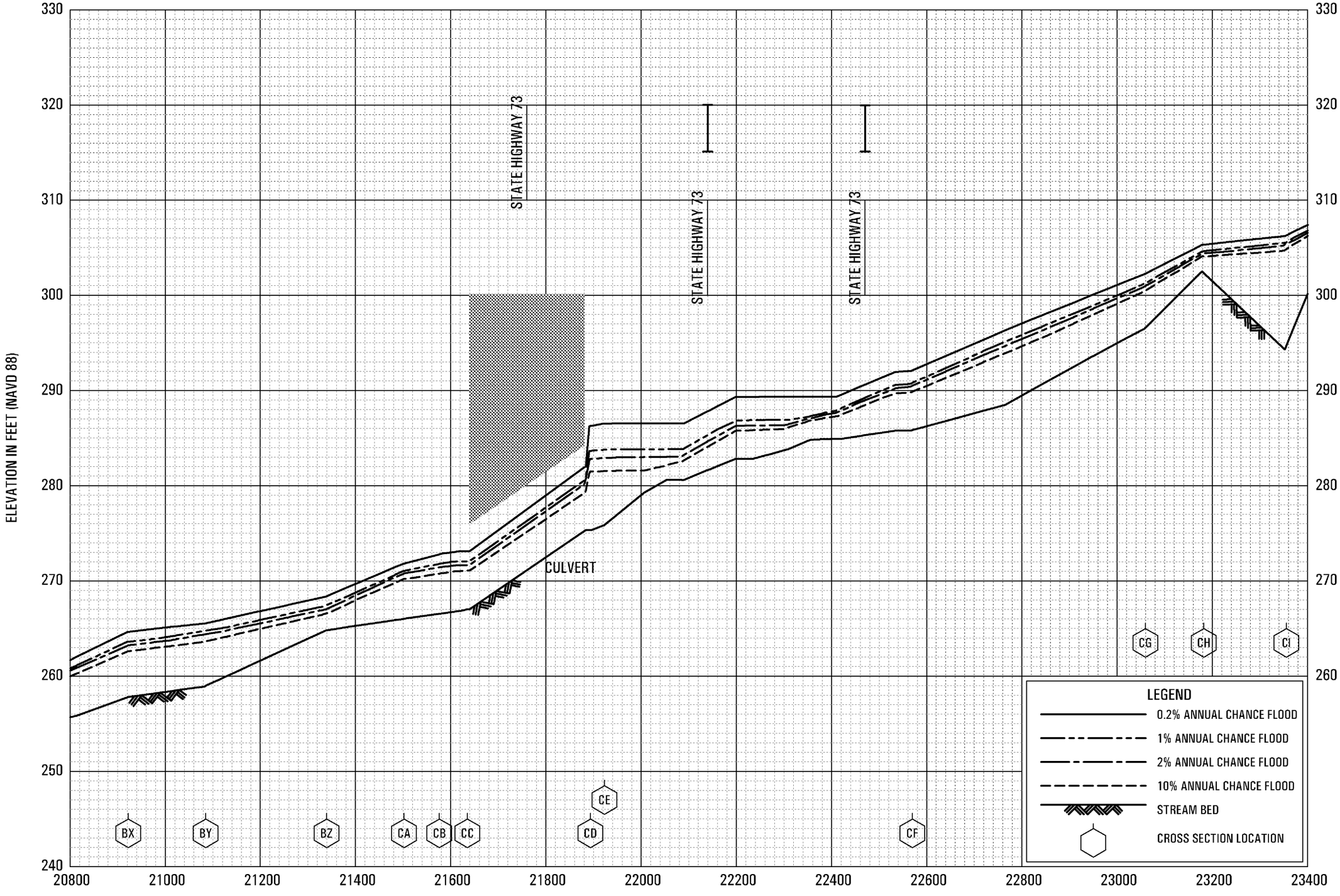
LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS

82P



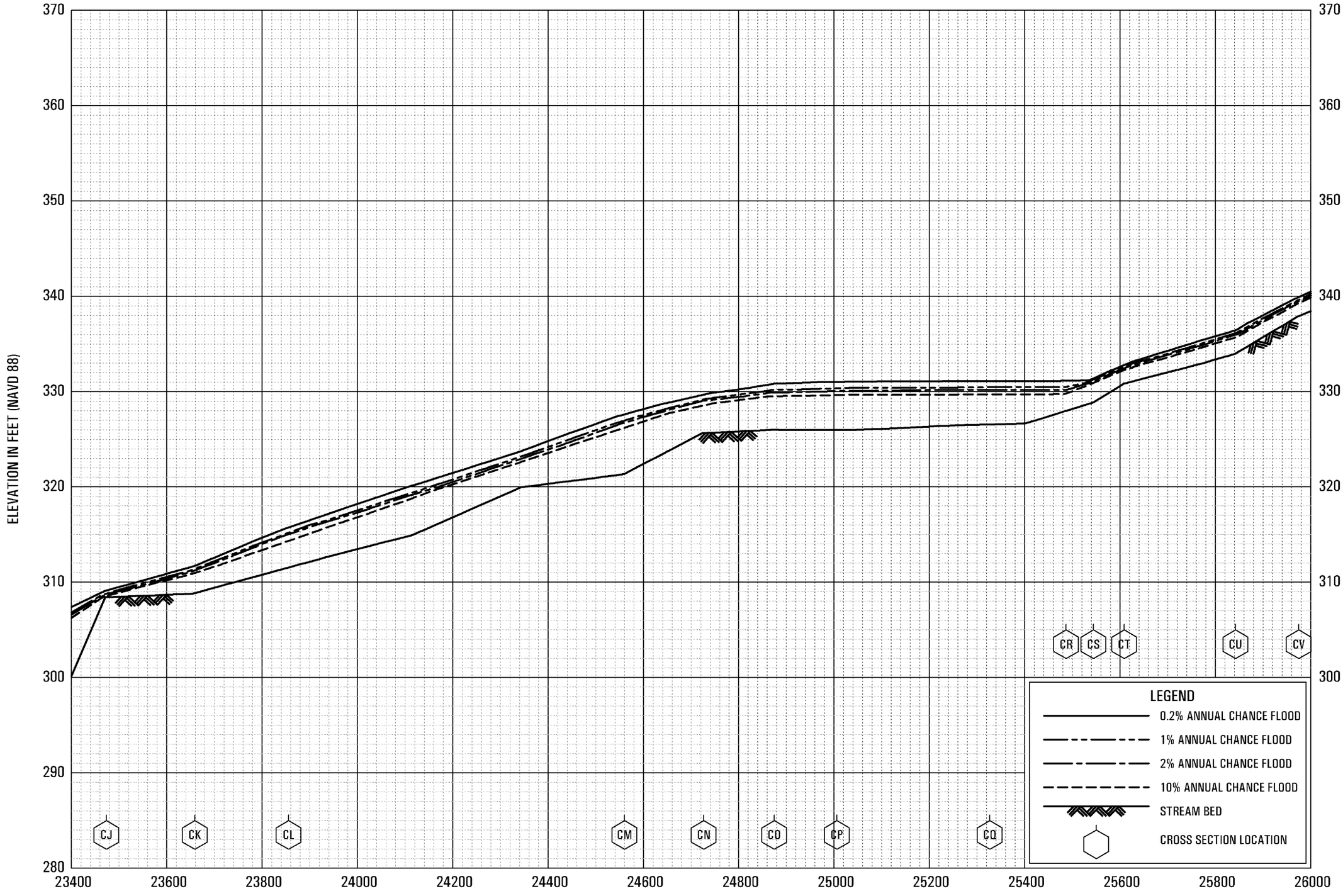
FLOOD PROFILES

LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS

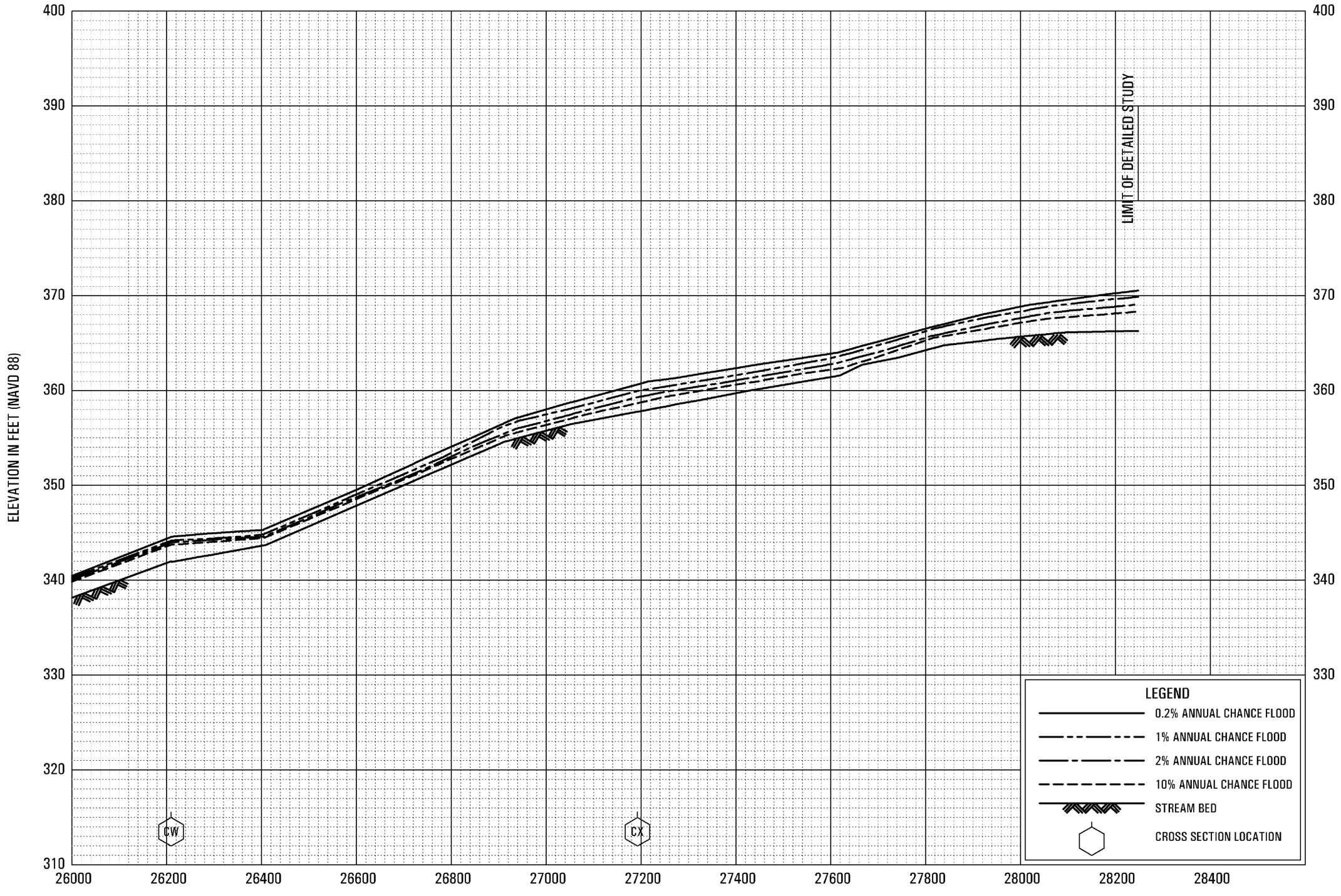


FLOOD PROFILES

LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY
ORANGE COUNTY, CA
AND UNINCORPORATED AREAS

84P



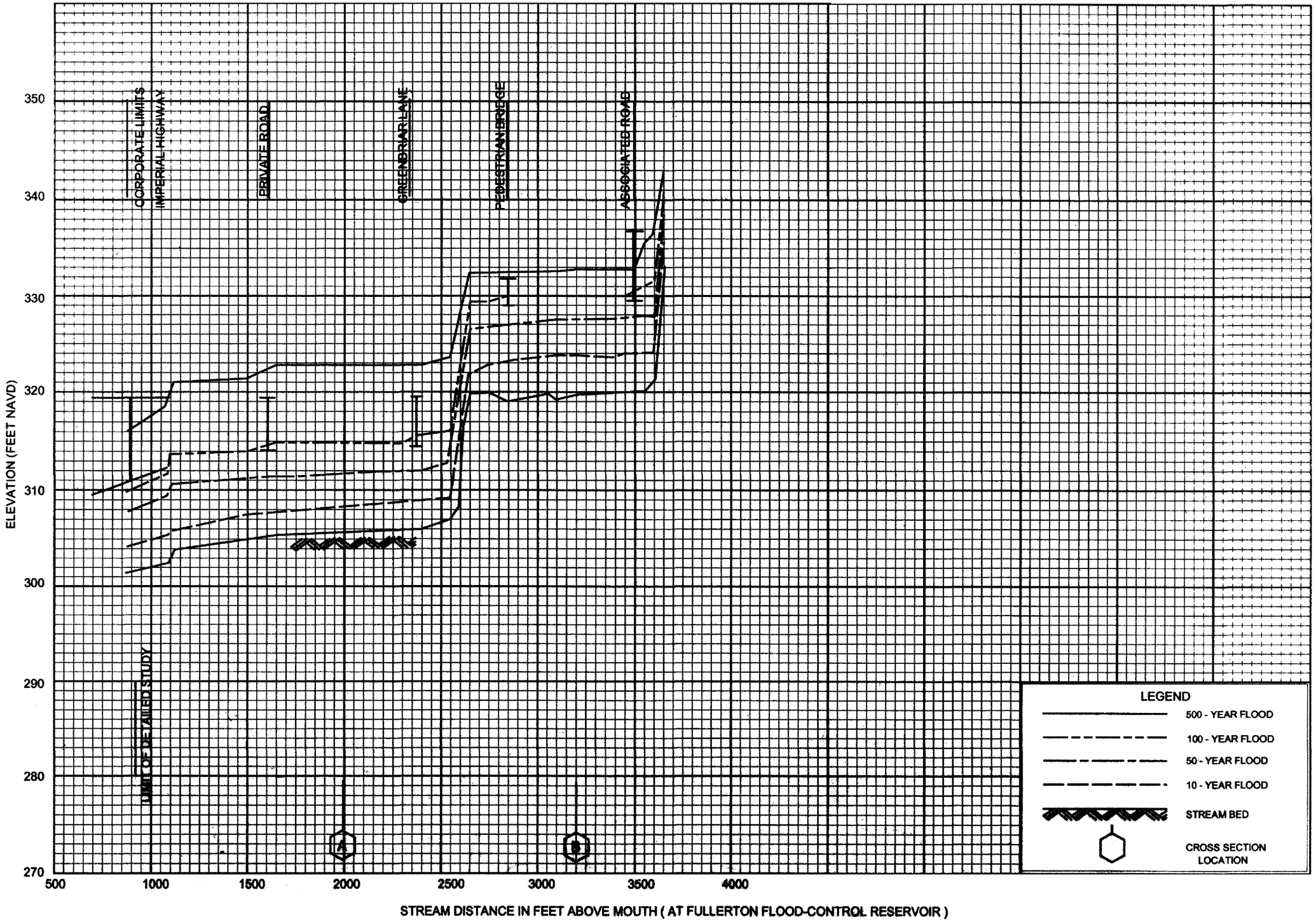
FLOOD PROFILES

LAGUNA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND UNINCORPORATED AREAS



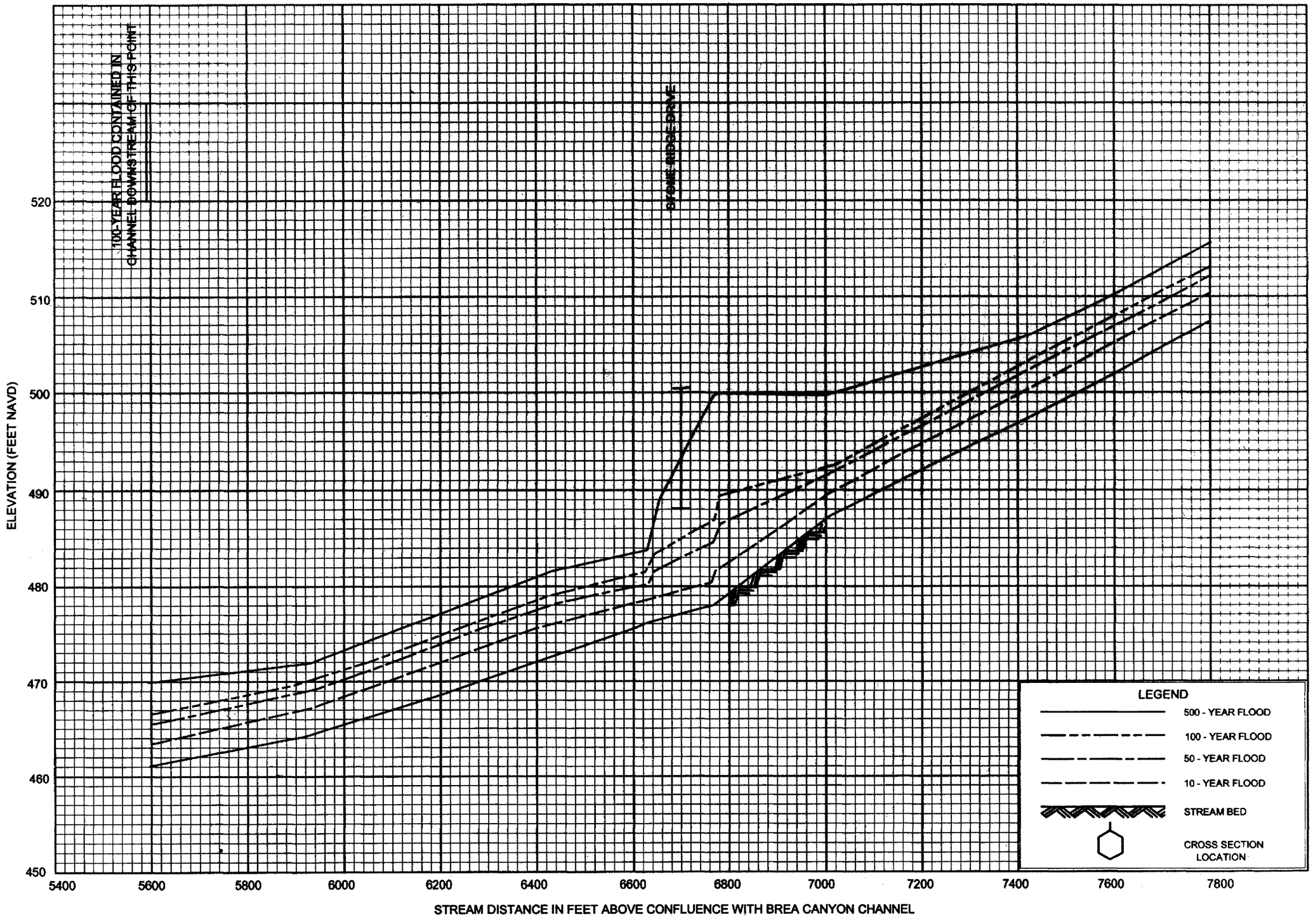
FLOOD PROFILES

LOFTUS DIVERSION CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

86P



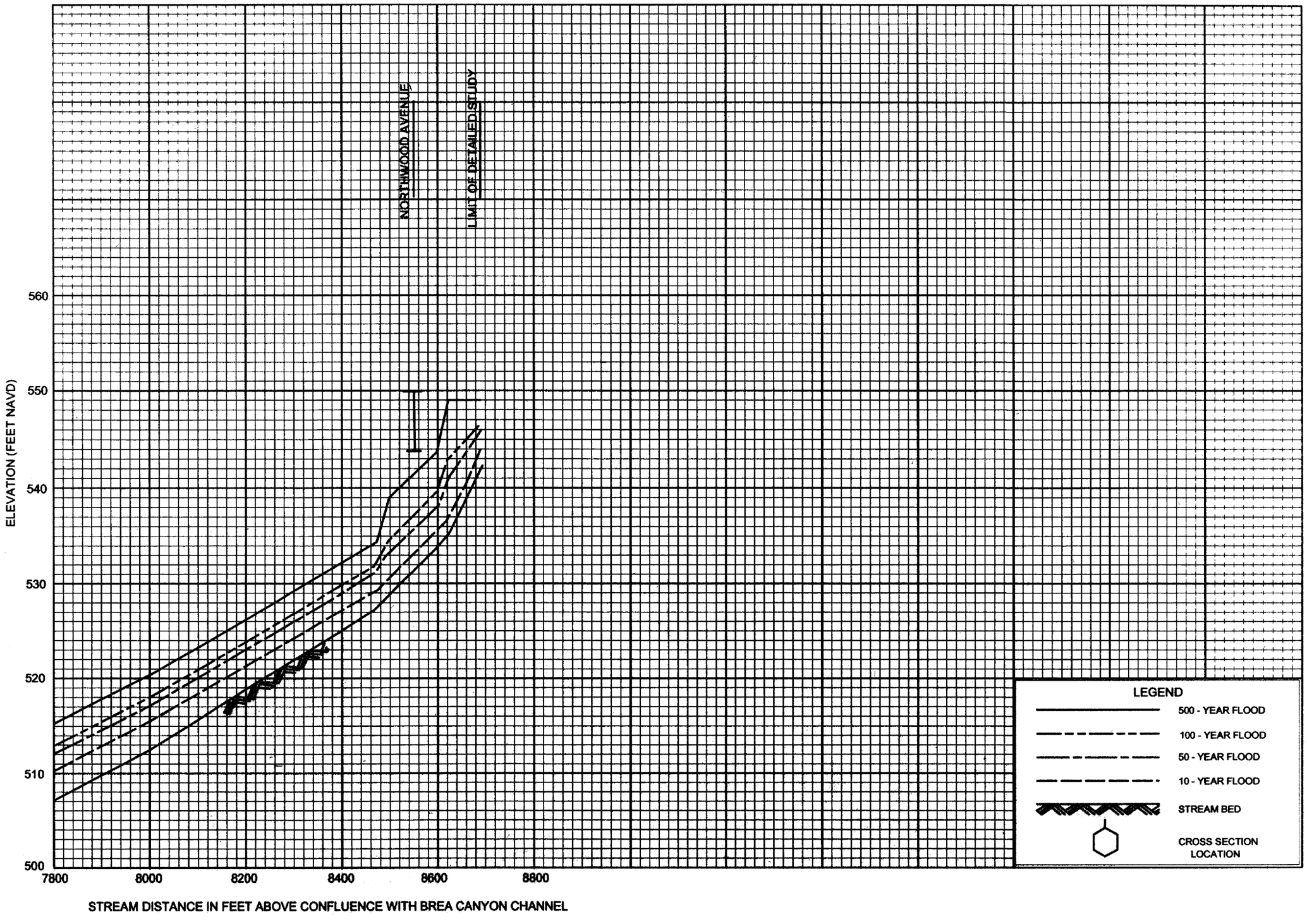
FLOOD PROFILES

MEMORY GARDEN STORM CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

87P



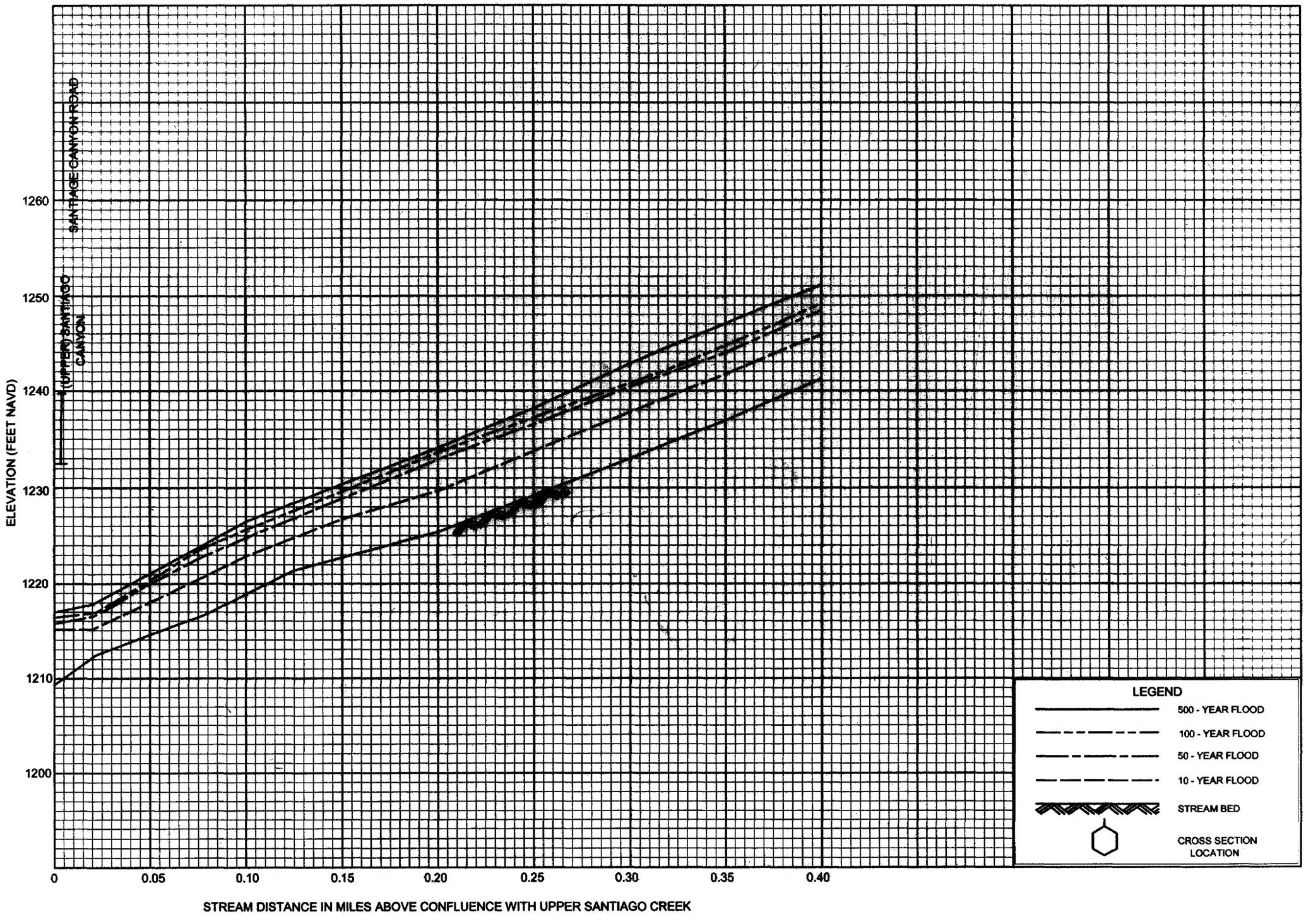
FLOOD PROFILES

MEMORY GARDEN STORM CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

88P



FLOOD PROFILES

MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

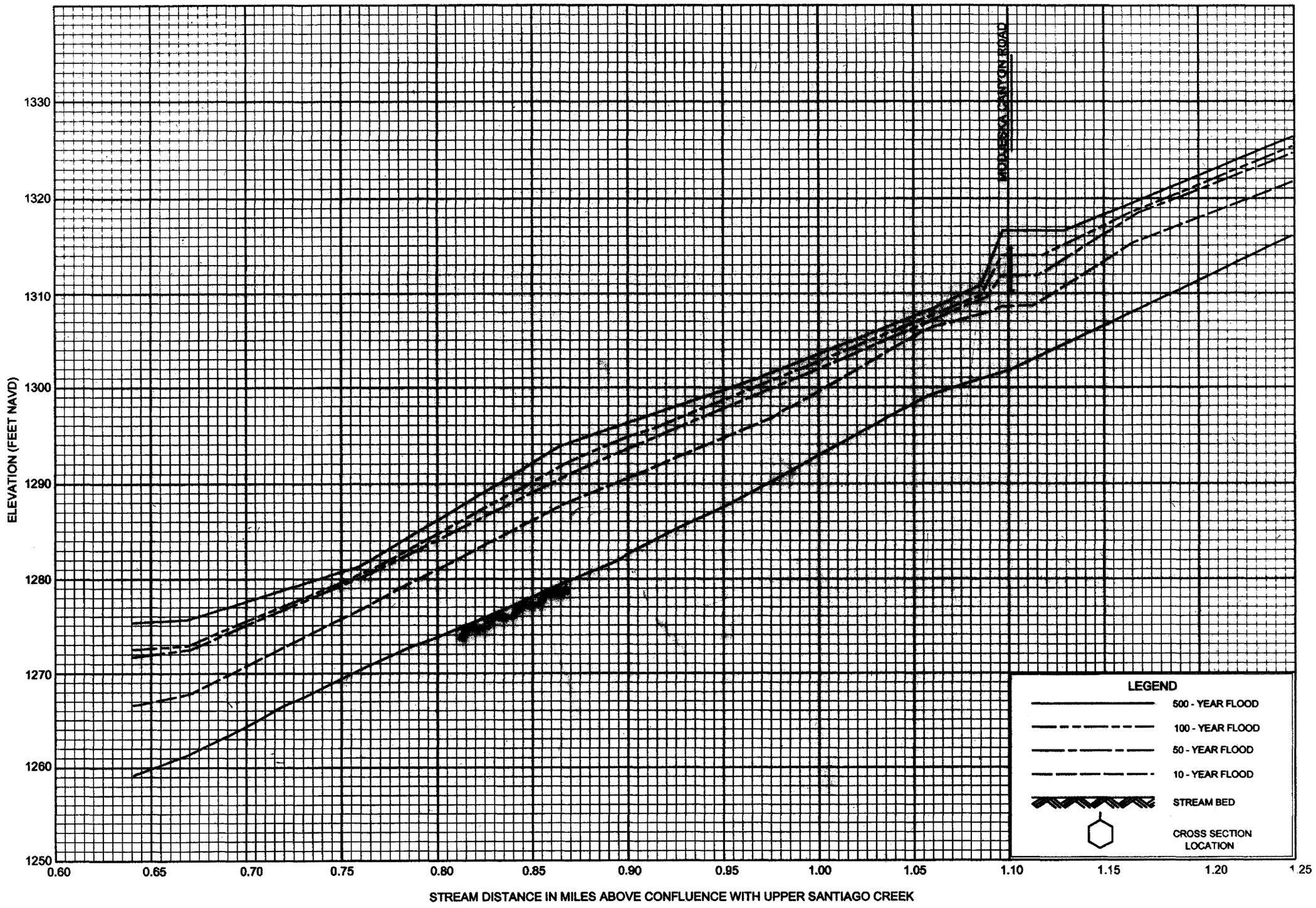
89P

FLOOD PROFILES

MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS



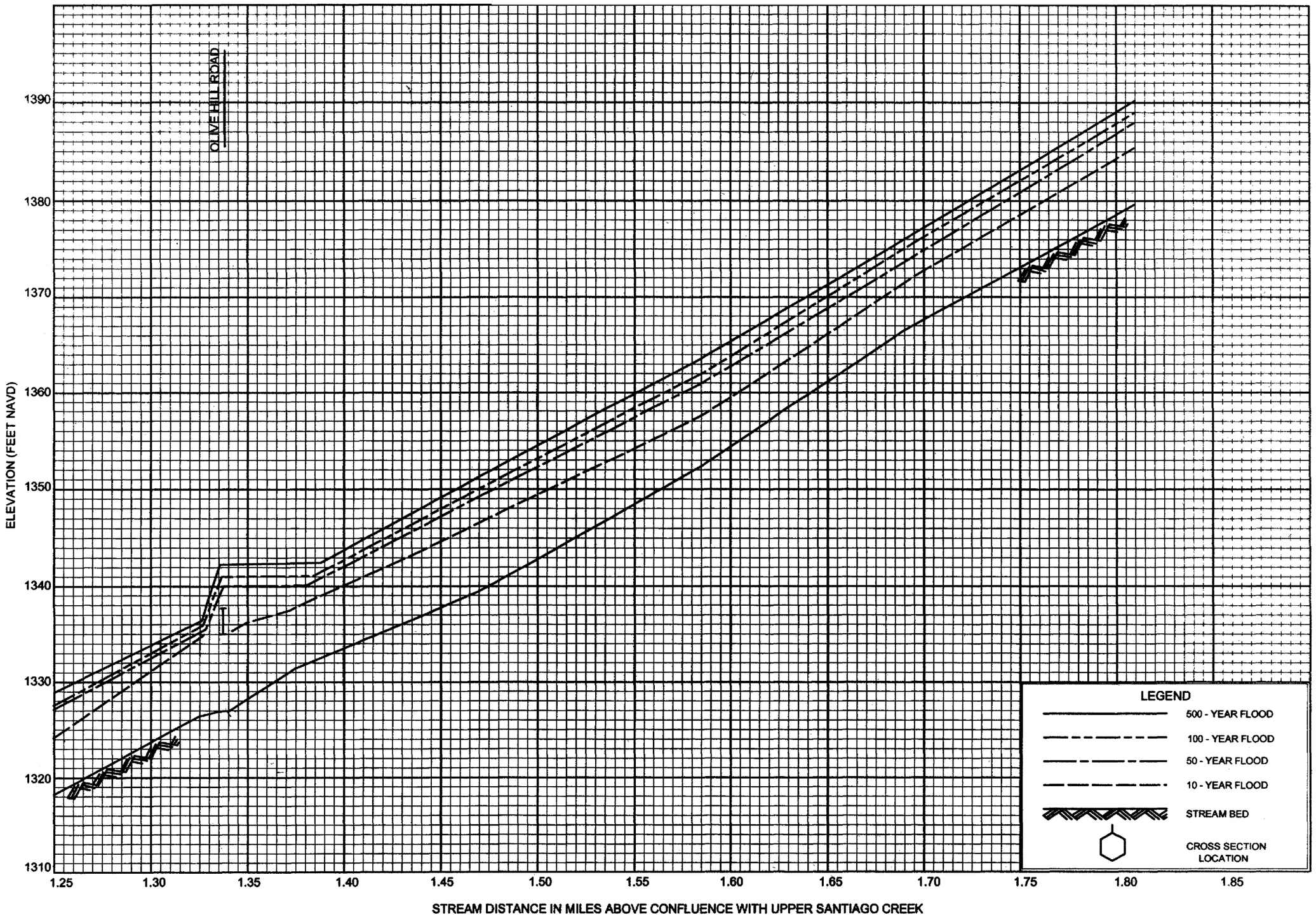
FLOOD PROFILES

MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

91P



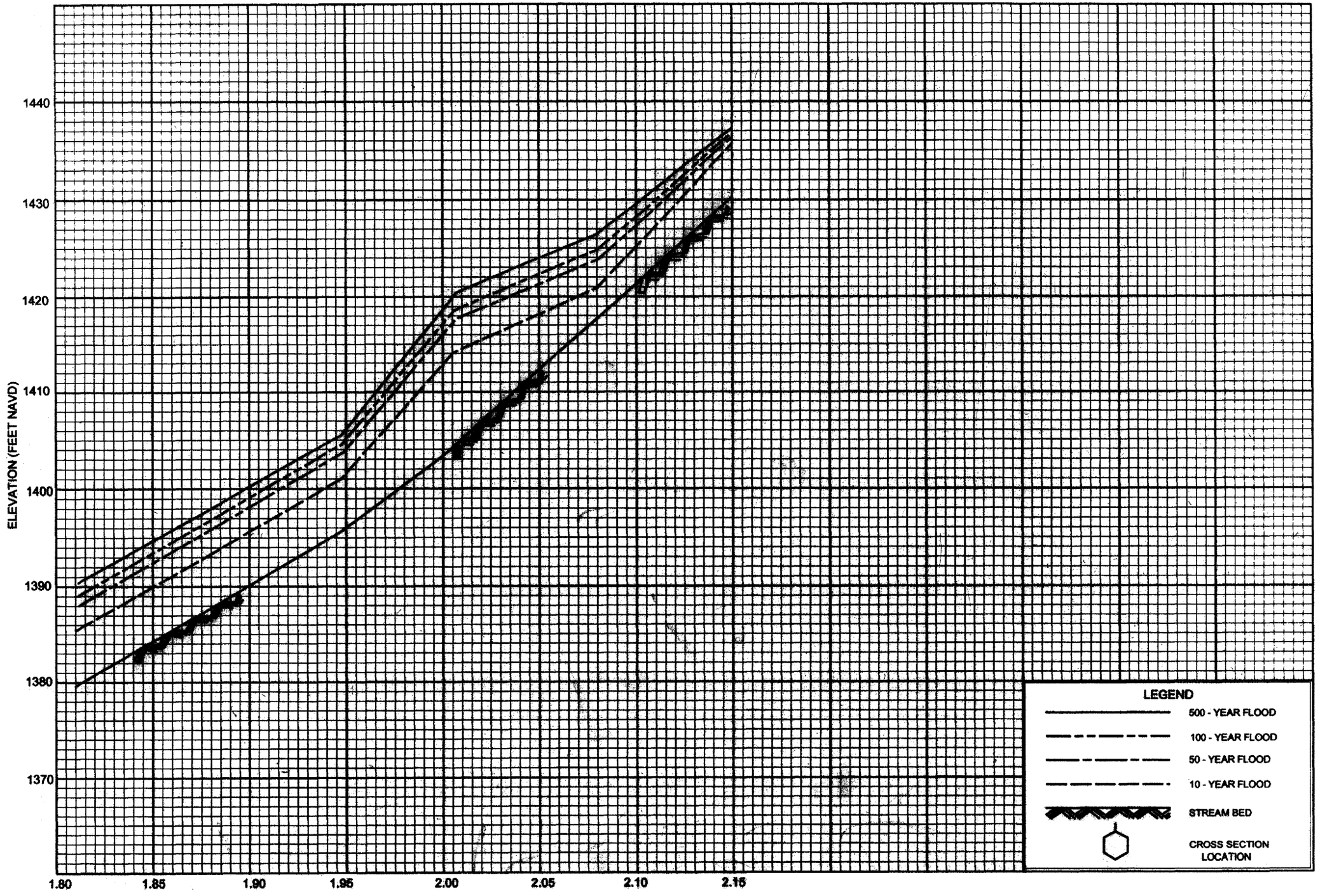
FLOOD PROFILES

MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

92P



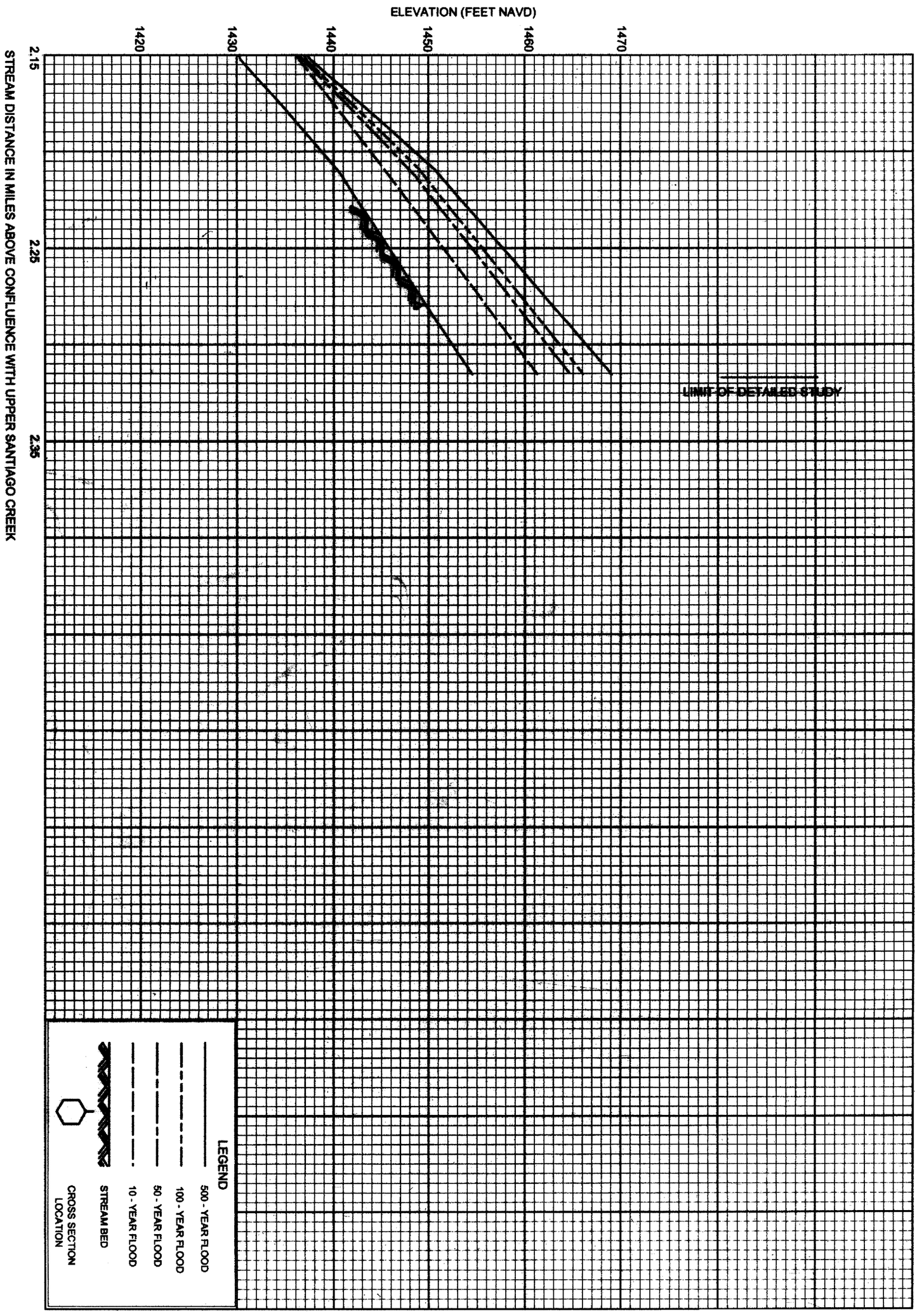
FLOOD PROFILES

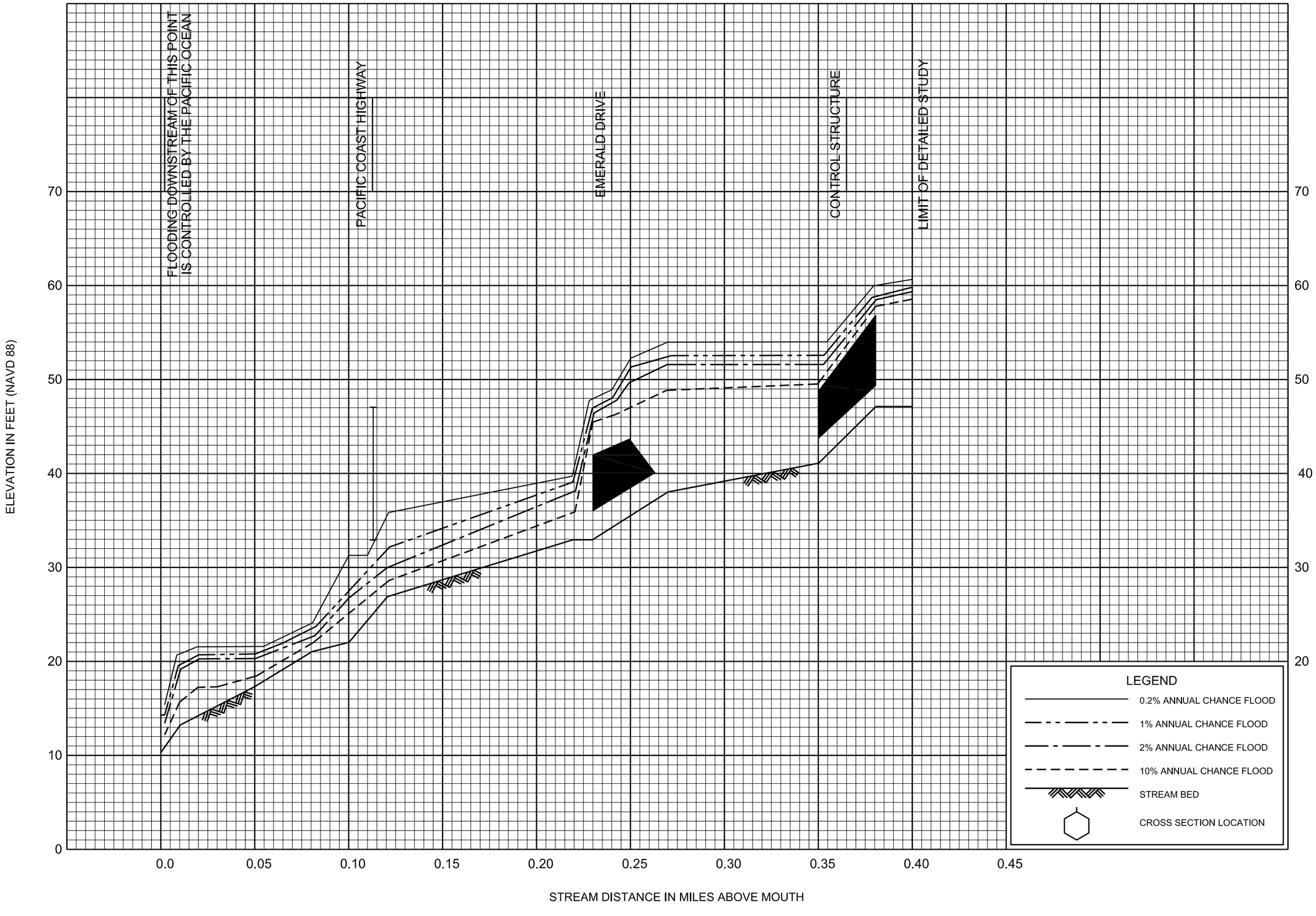
MODJESKA CANYON

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

93P


ELEVATION (FEET NAVD)
1420
1430
1440
1450
1460
1470
2.15
2.25
2.35
STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH UPPER SANTIAGO CREEK
LIMIT OF DETAILED STUDY
LEGEND
500 - YEAR FLOOD
100 - YEAR FLOOD
50 - YEAR FLOOD
10 - YEAR FLOOD
STREAM BED
CROSS SECTION LOCATION



FLOOD PROFILES

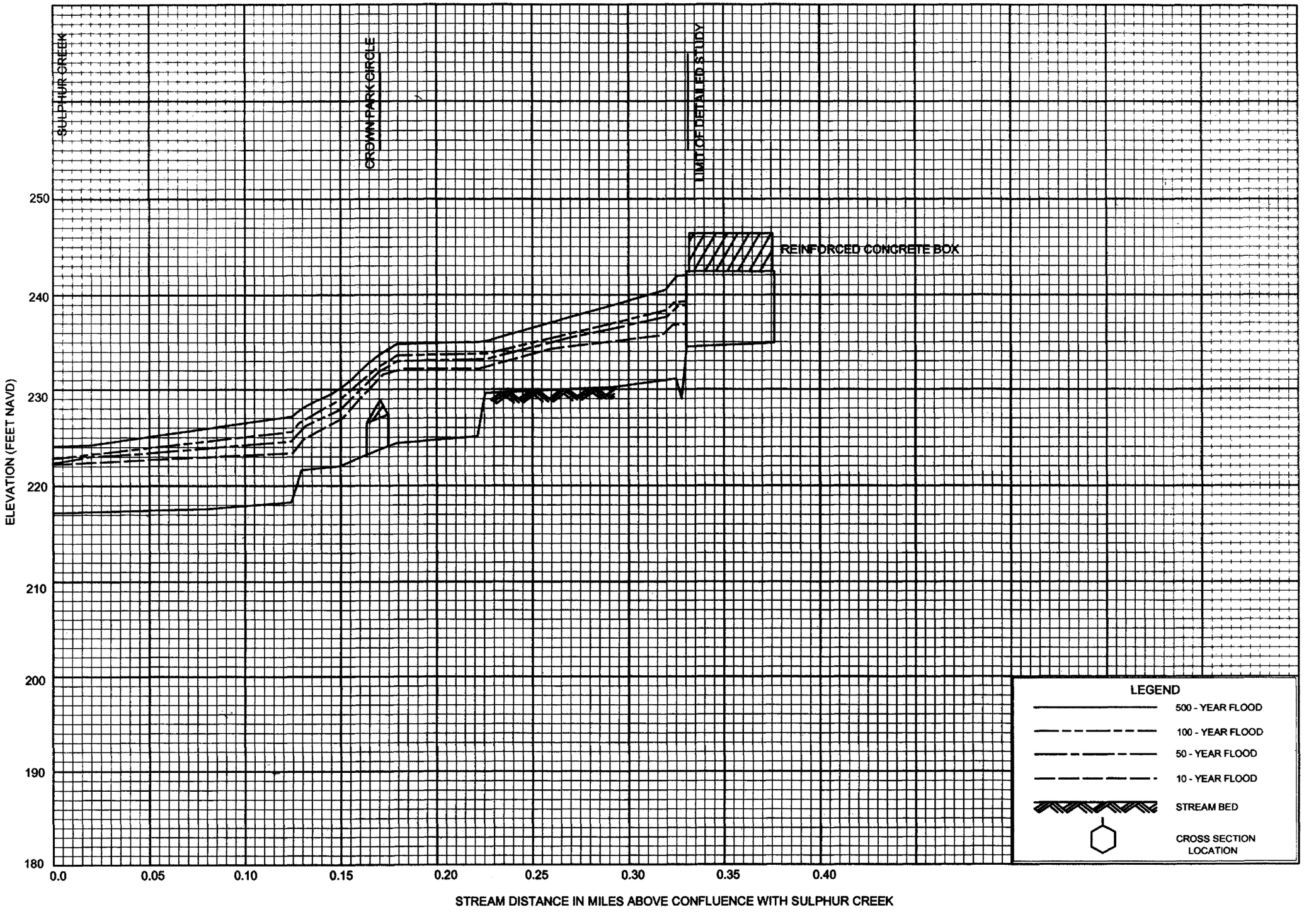
NIGUEL CANYON (EMERALD BAY CHANNEL)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA

AND INCORPORATED AREAS

95P



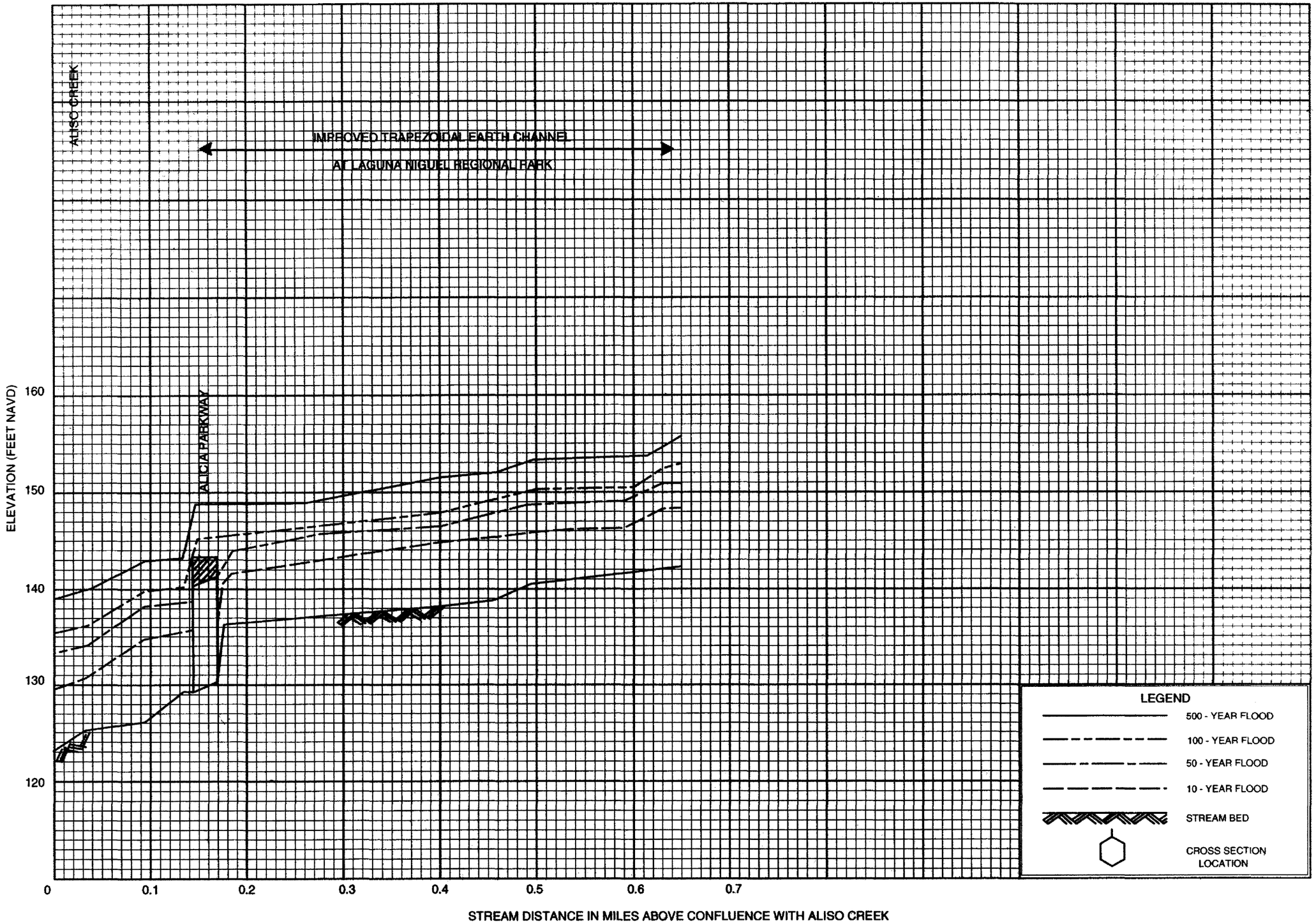
FLOOD PROFILES

NIGUEL STORM DRAIN (J03P01)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

96P



FLOOD PROFILES

(NORTH SULPHUR CREEK) NARCO CHANNEL (J04)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ORANGE COUNTY, CA
AND INCORPORATED AREAS

97P