Flood Insurance Study April, 1988 Vol.3

1302.010

FLOOD INSURANCE STUDY

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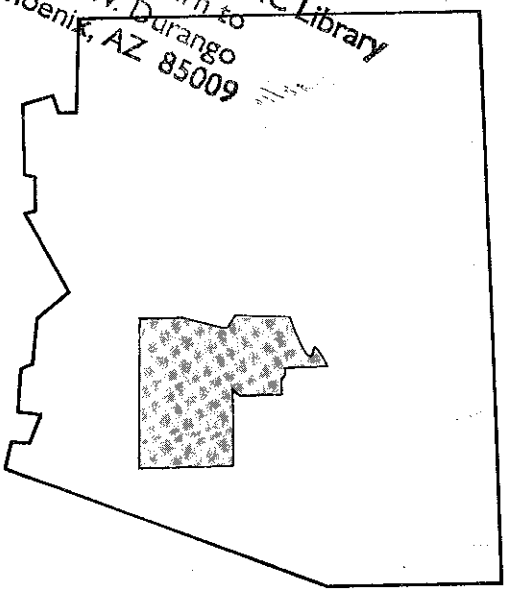
MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

VOLUME 3 OF 3



COMMUNITY NAME	COMMUNITY NUMBER
APACHE JUNCTION, CITY OF	040120
AVONDALE, CITY OF	040038
BUCKEYE, TOWN OF	040039
CAREFREE, TOWN OF	040126
CHANDLER, CITY OF	040040
EL MIRAGE, TOWN OF	040041
GILA BEND, TOWN OF	040043
GILBERT, TOWN OF	040044
GLENDALE, CITY OF	040045
GOODYEAR, TOWN OF	040046
GUADALUPE, TOWN OF	040111
MARICOPA COUNTY, UNINCORPORATED AREAS	040037
MESA, CITY OF	040048
PARADISE VALLEY, TOWN OF	040049
PEORIA, CITY OF	040050
PHOENIX, CITY OF	040051
SCOTTSDALE, CITY OF	045012
SURPRISE, TOWN OF	040053
TEMPE, CITY OF	040054
TOLLESON, CITY OF	040055
WICKENBURG, TOWN OF	040056
YOUNGTOWN, TOWN OF	040057

APRIL 15,1988

Federal Emergency Management Agency

Mo.1-00-8-04/88

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 may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

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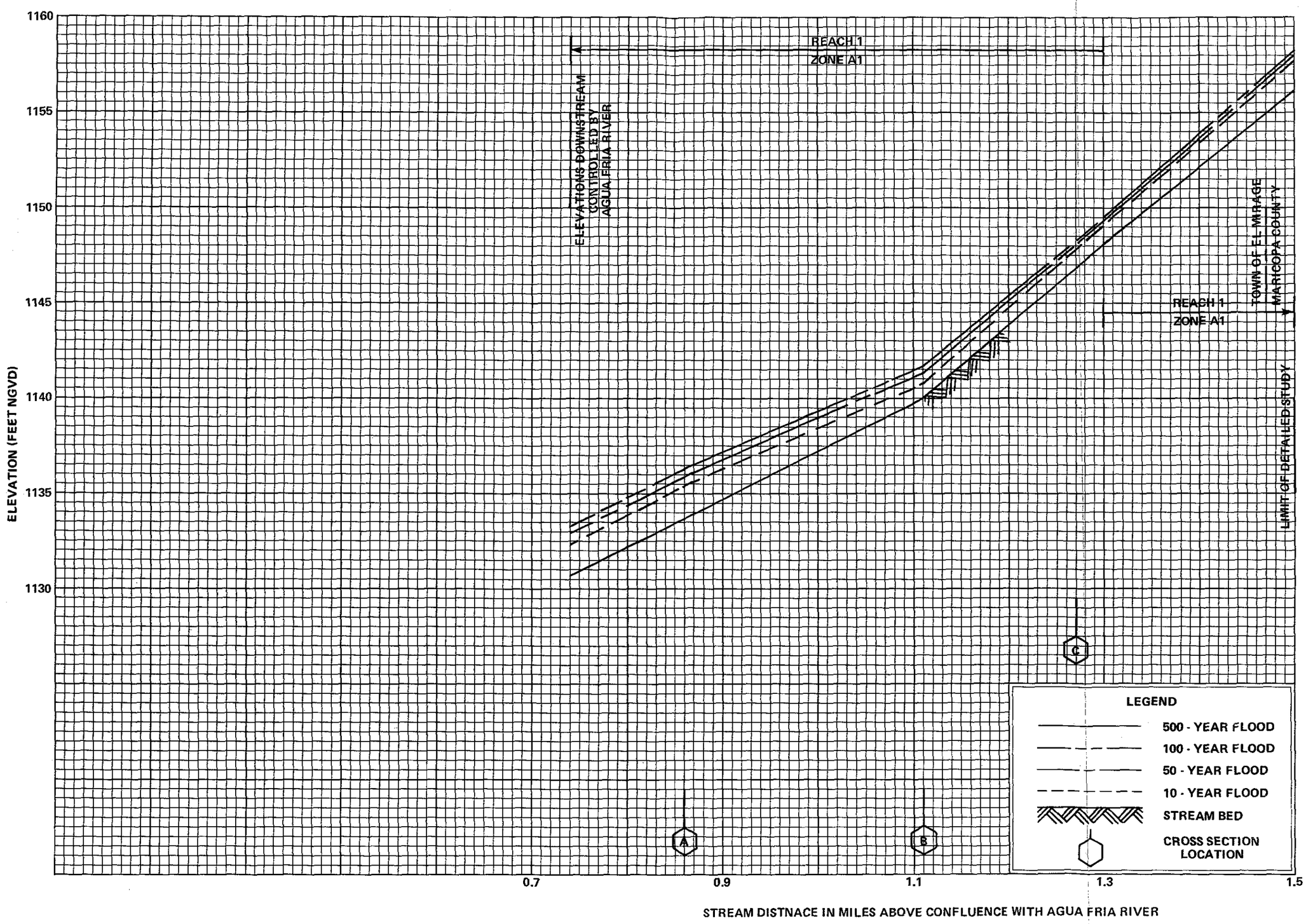
Exhibit 2 - Flood Boundary and Floodway Map Index
Flood Boundary and Floodway Map

PUBLISHED SEPARATELY:

Flood Insurance Rate Map Index
Flood Insurance Rate Map



FLOOD PROFILES

ATCHISON TOPEKA & SANTA FE RAILWAY CHANNEL
(AT EL MIRAGE)

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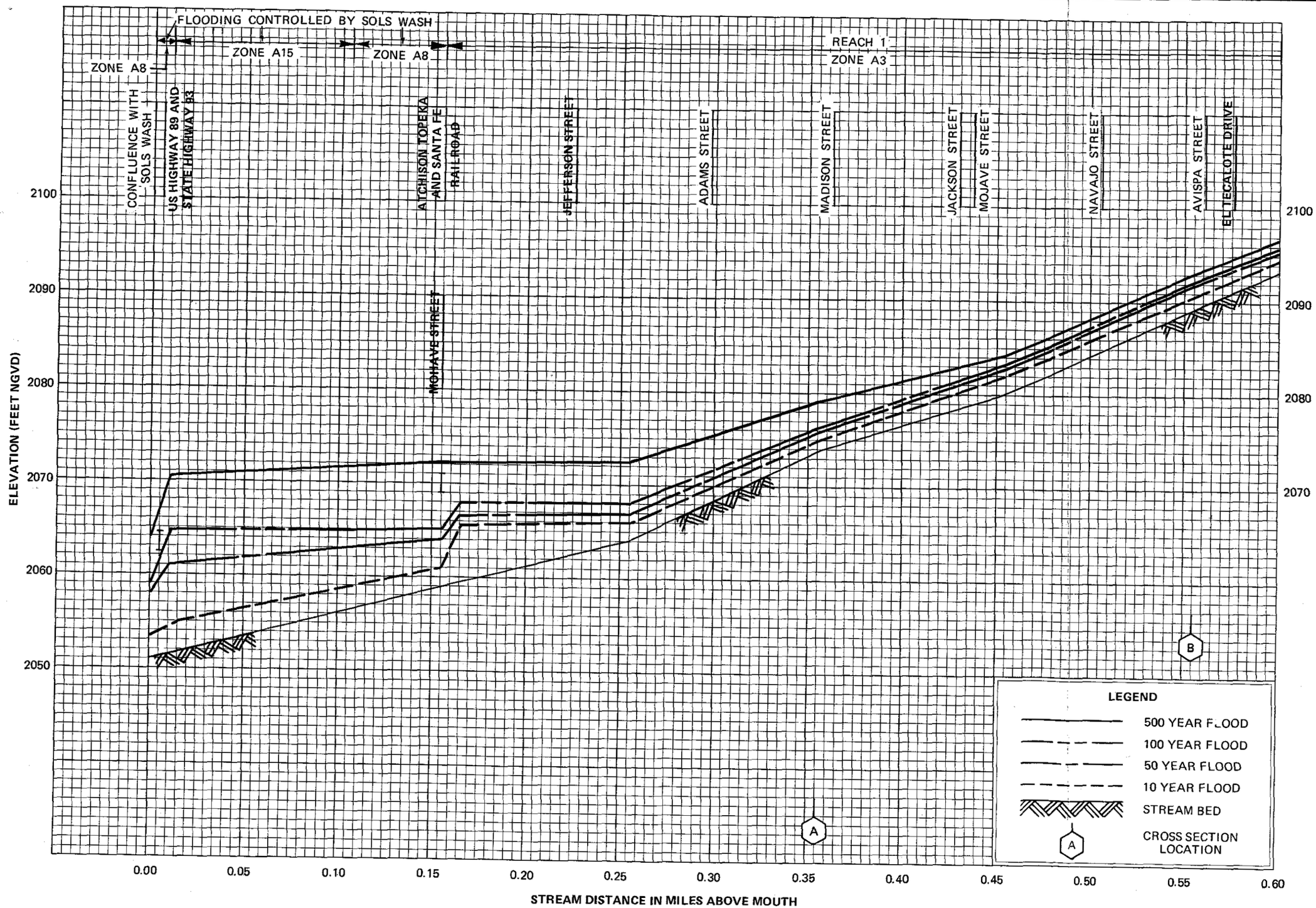

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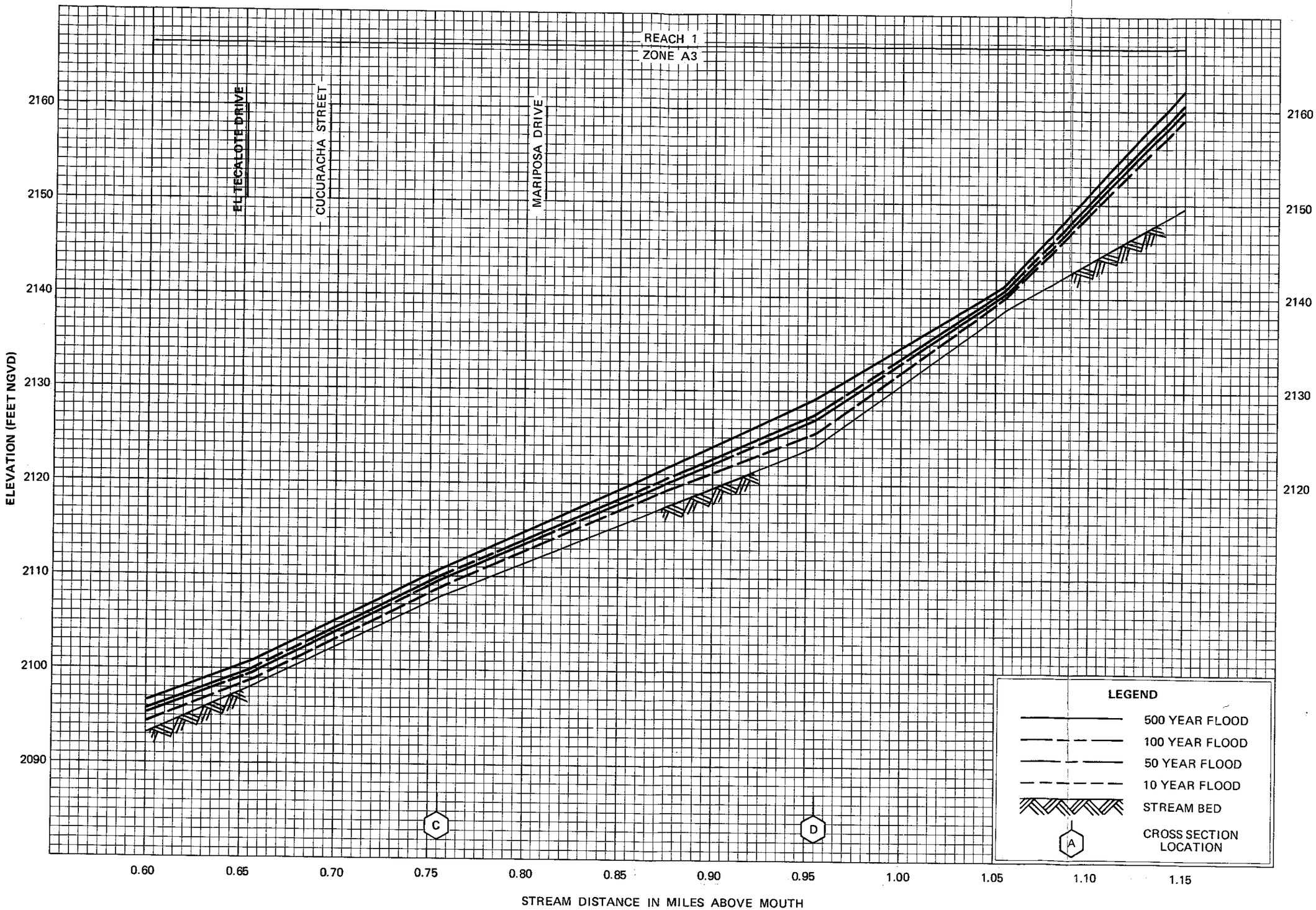

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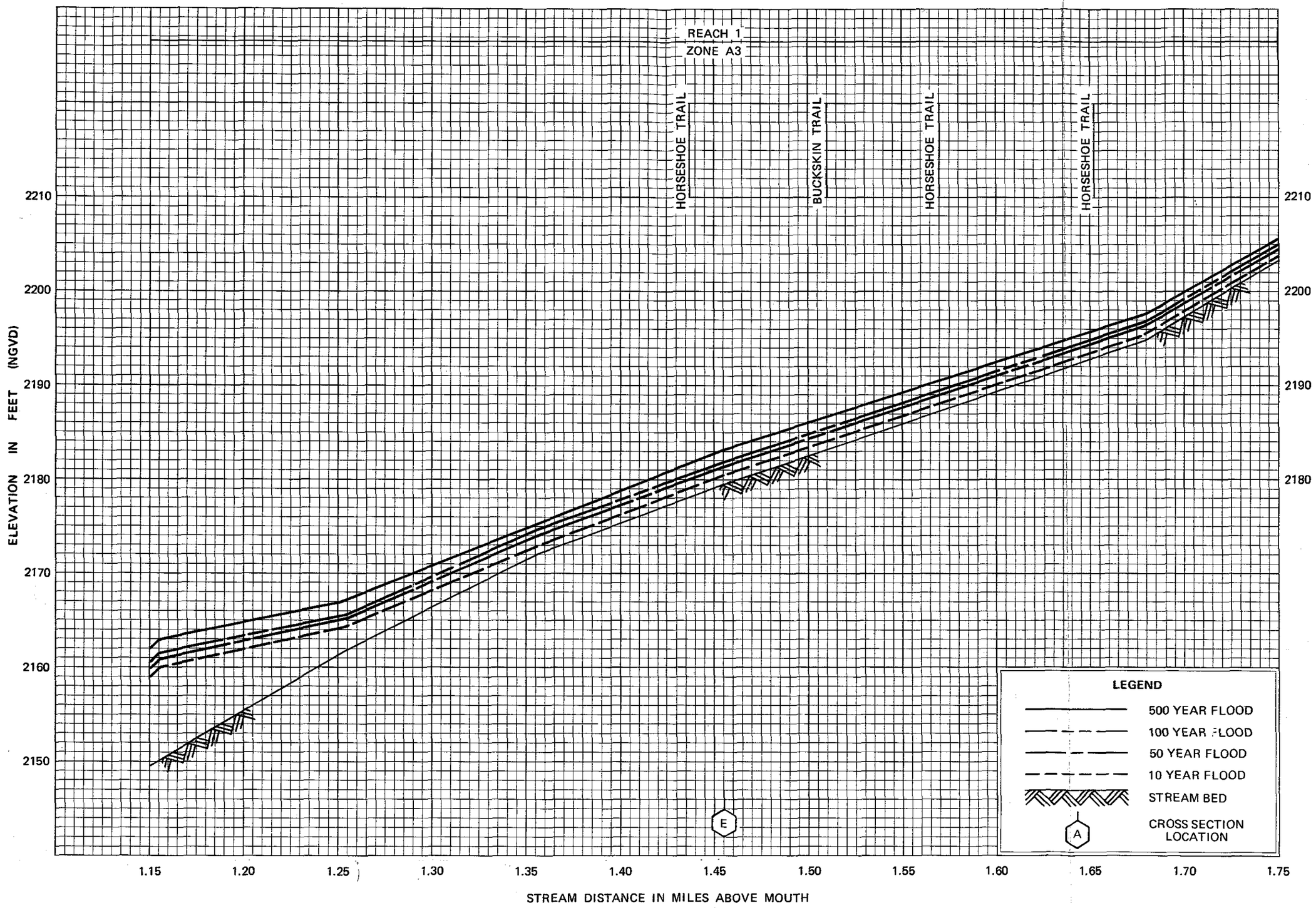

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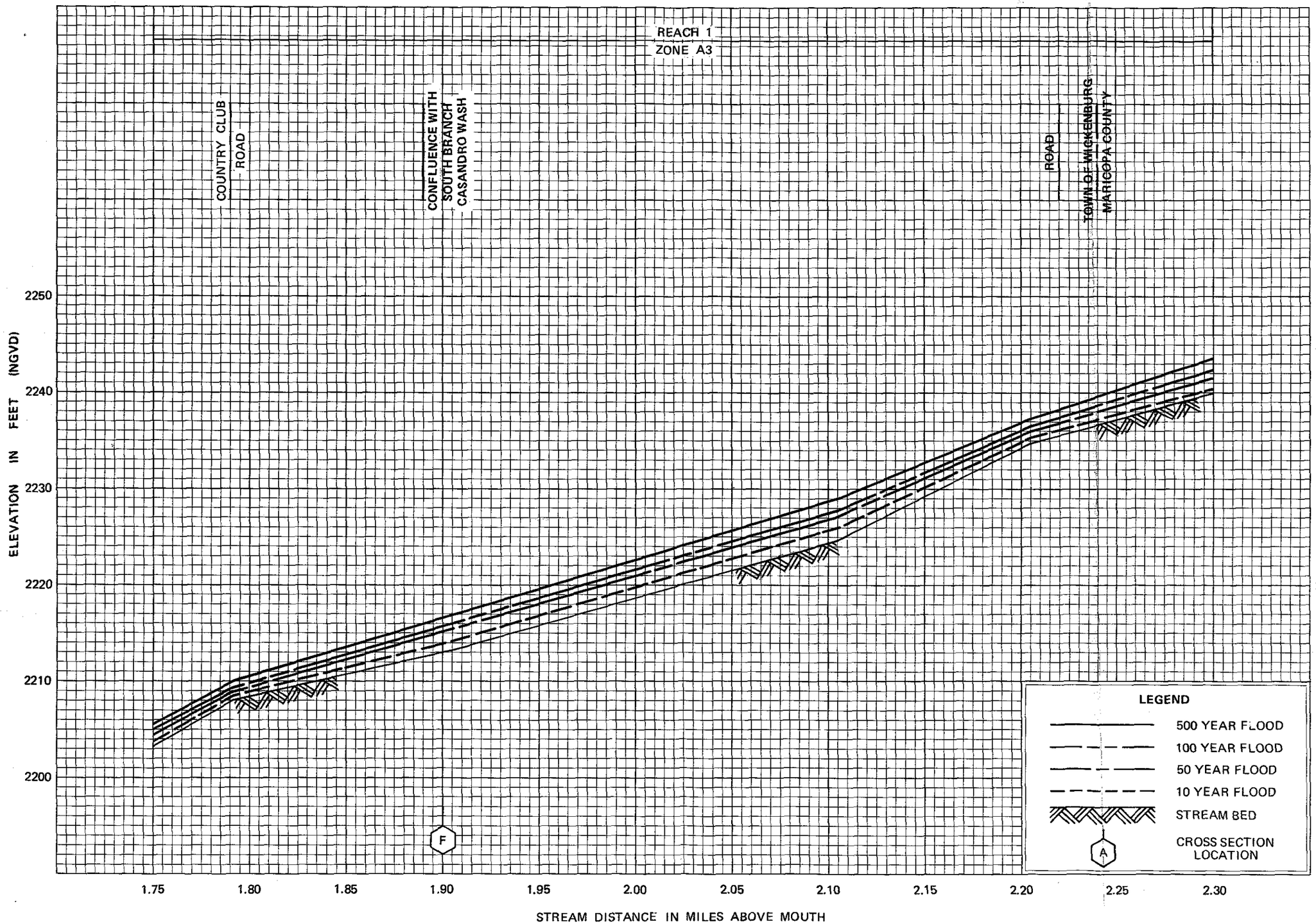

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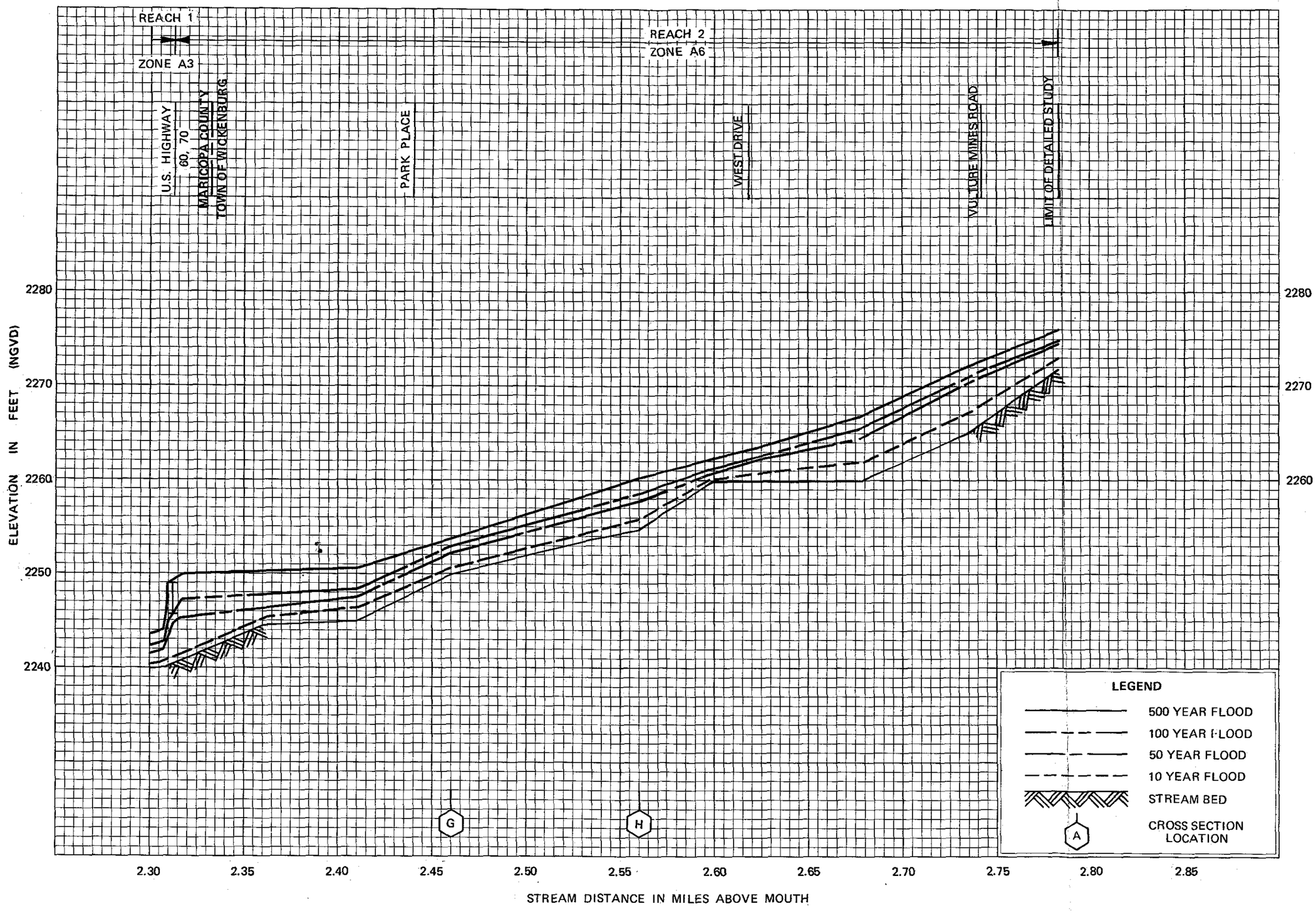

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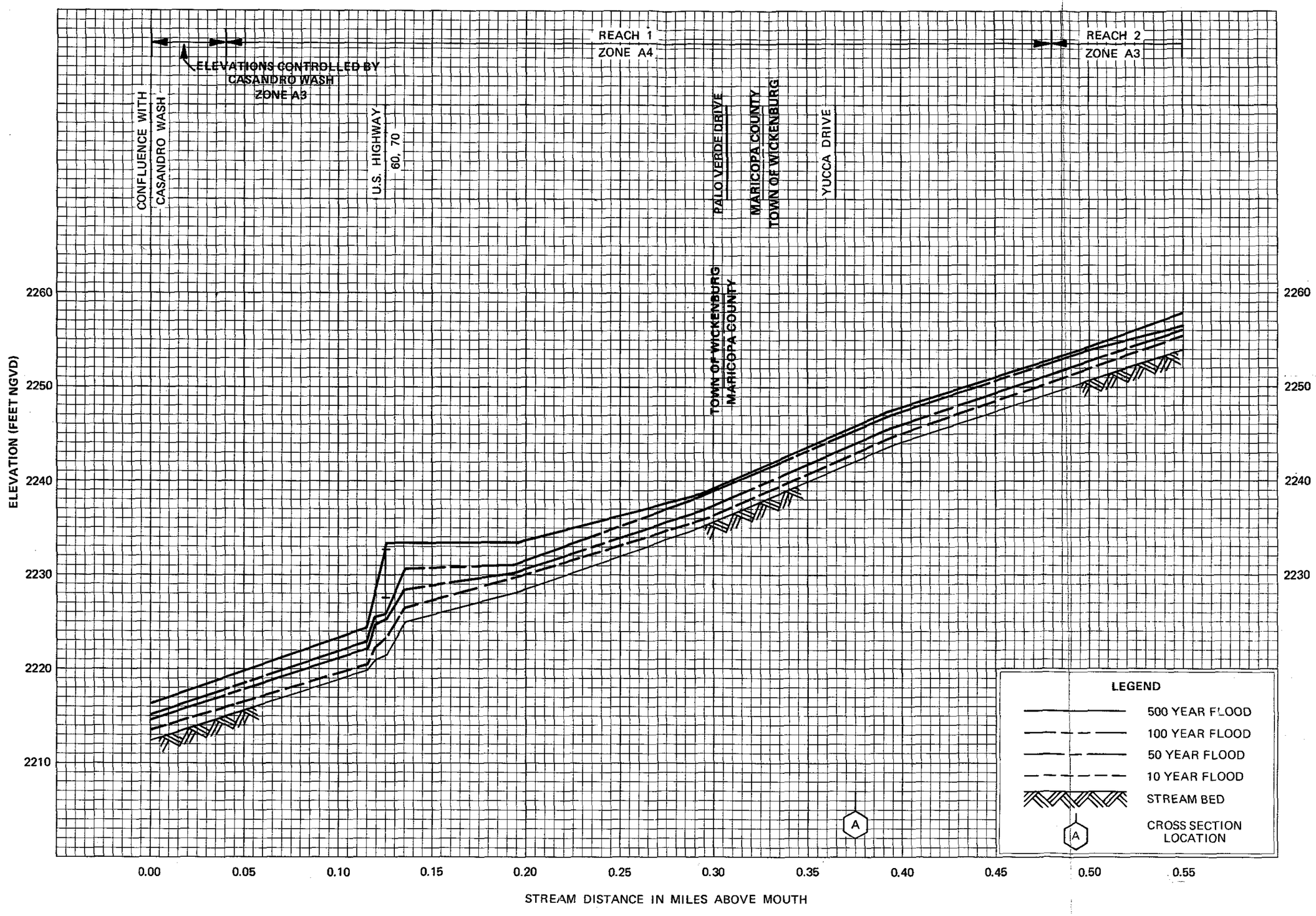

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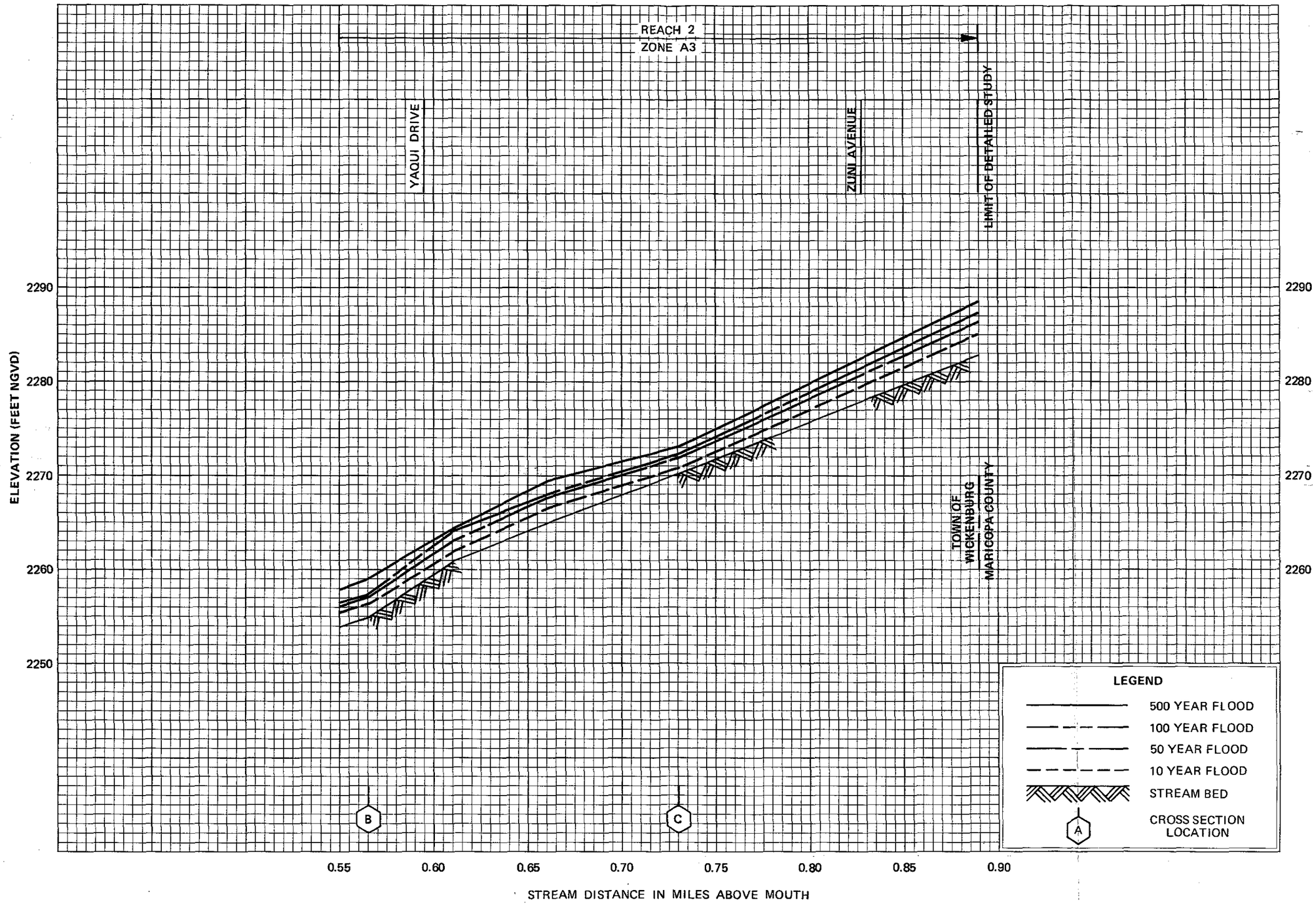

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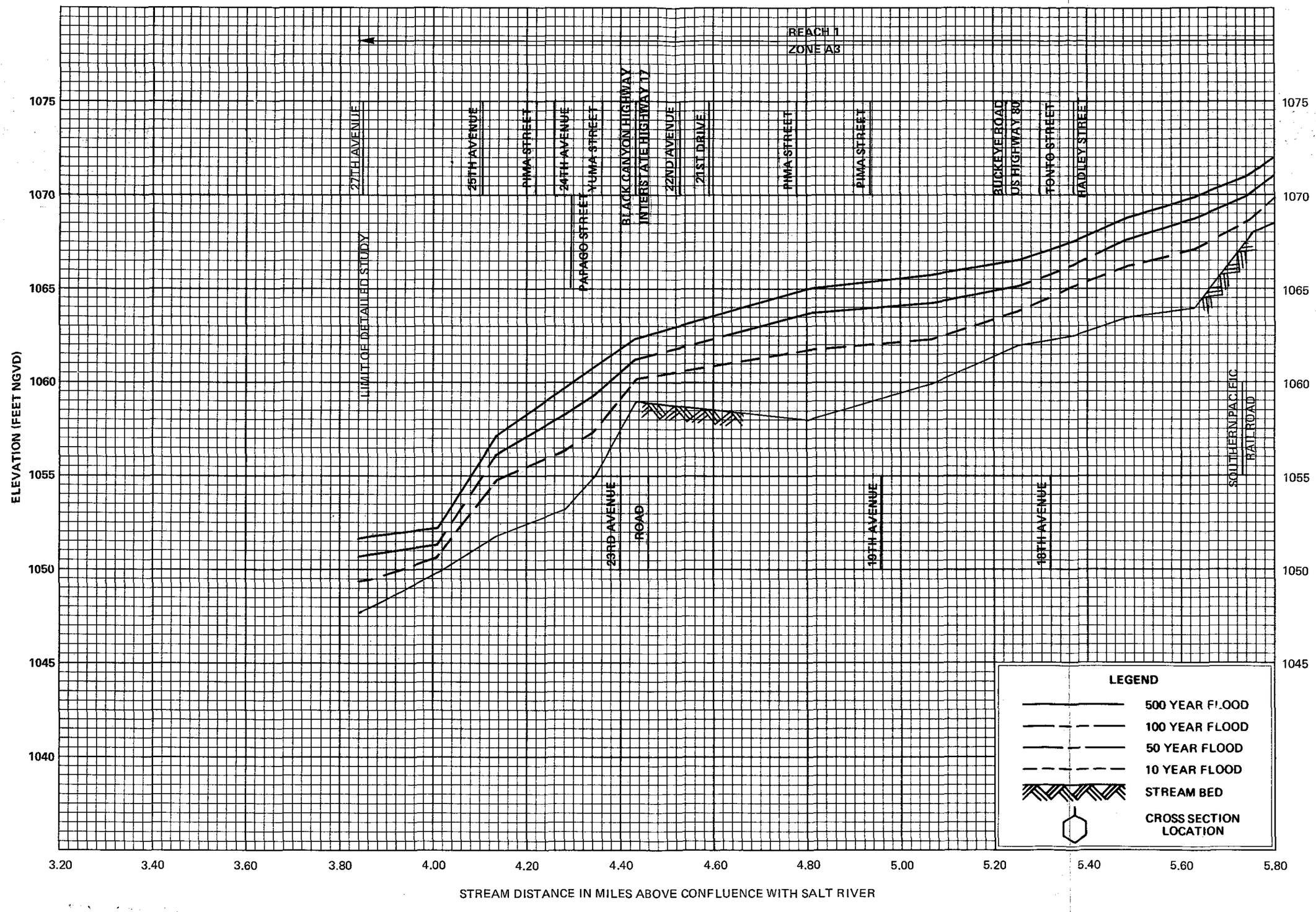

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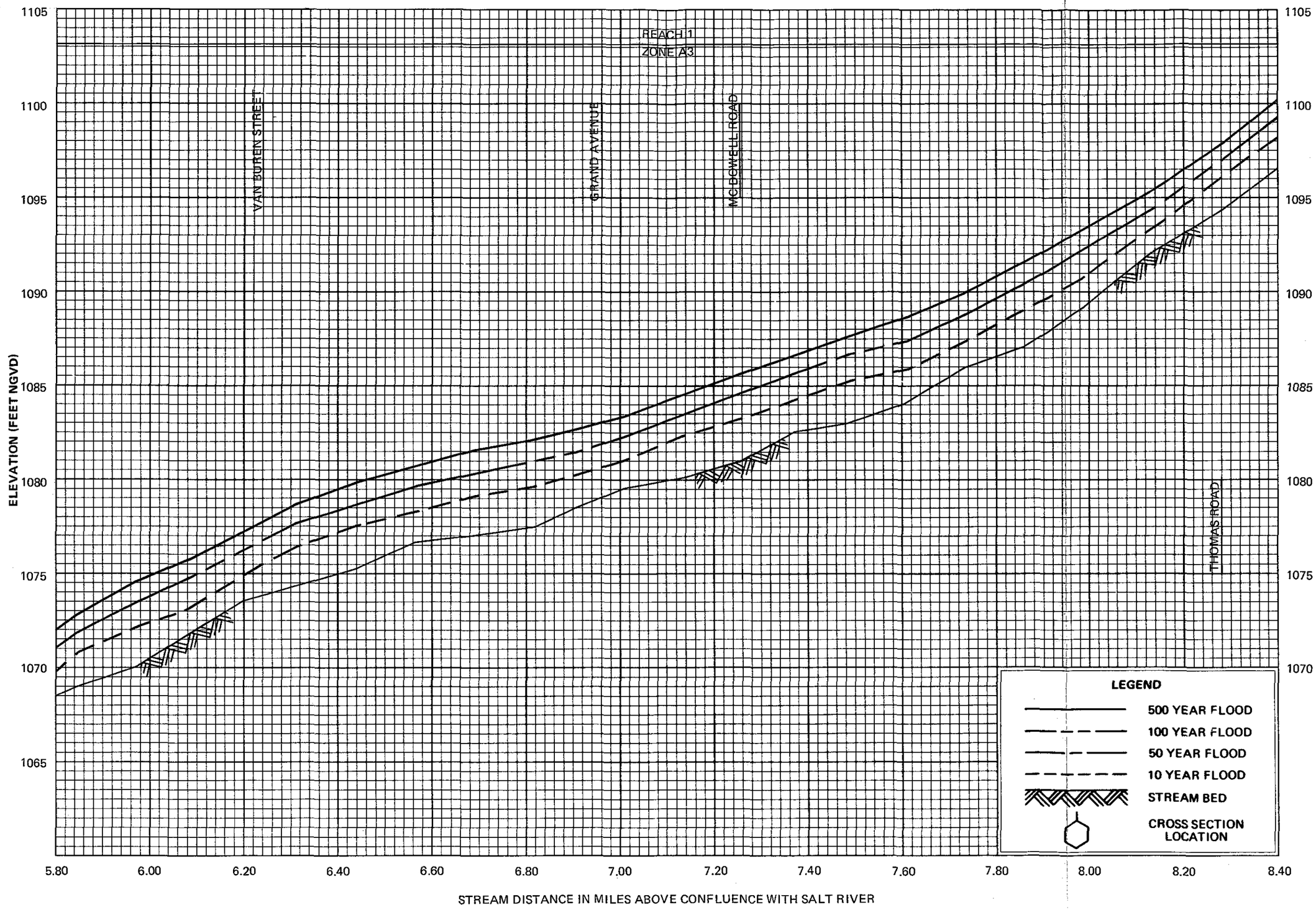

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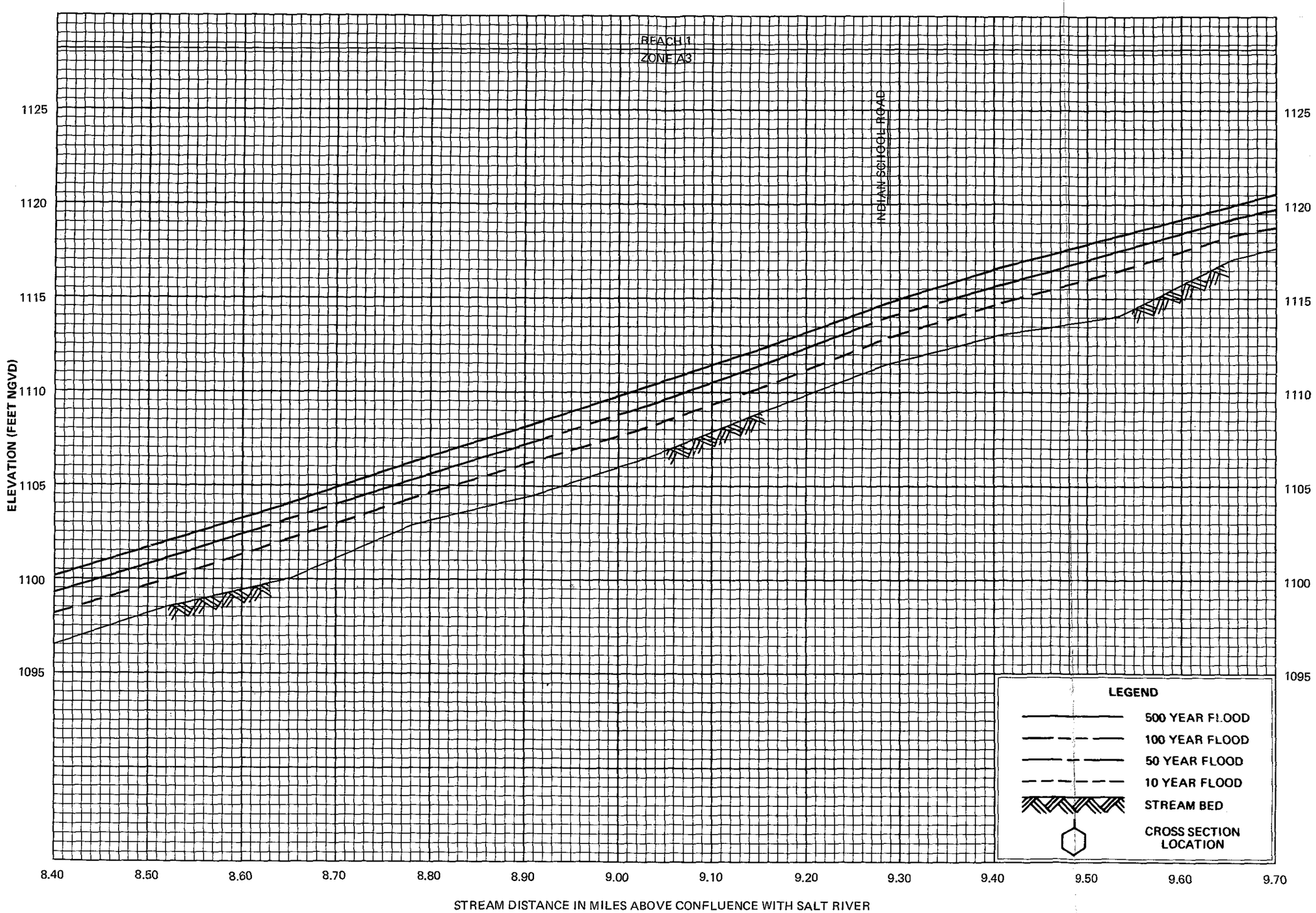

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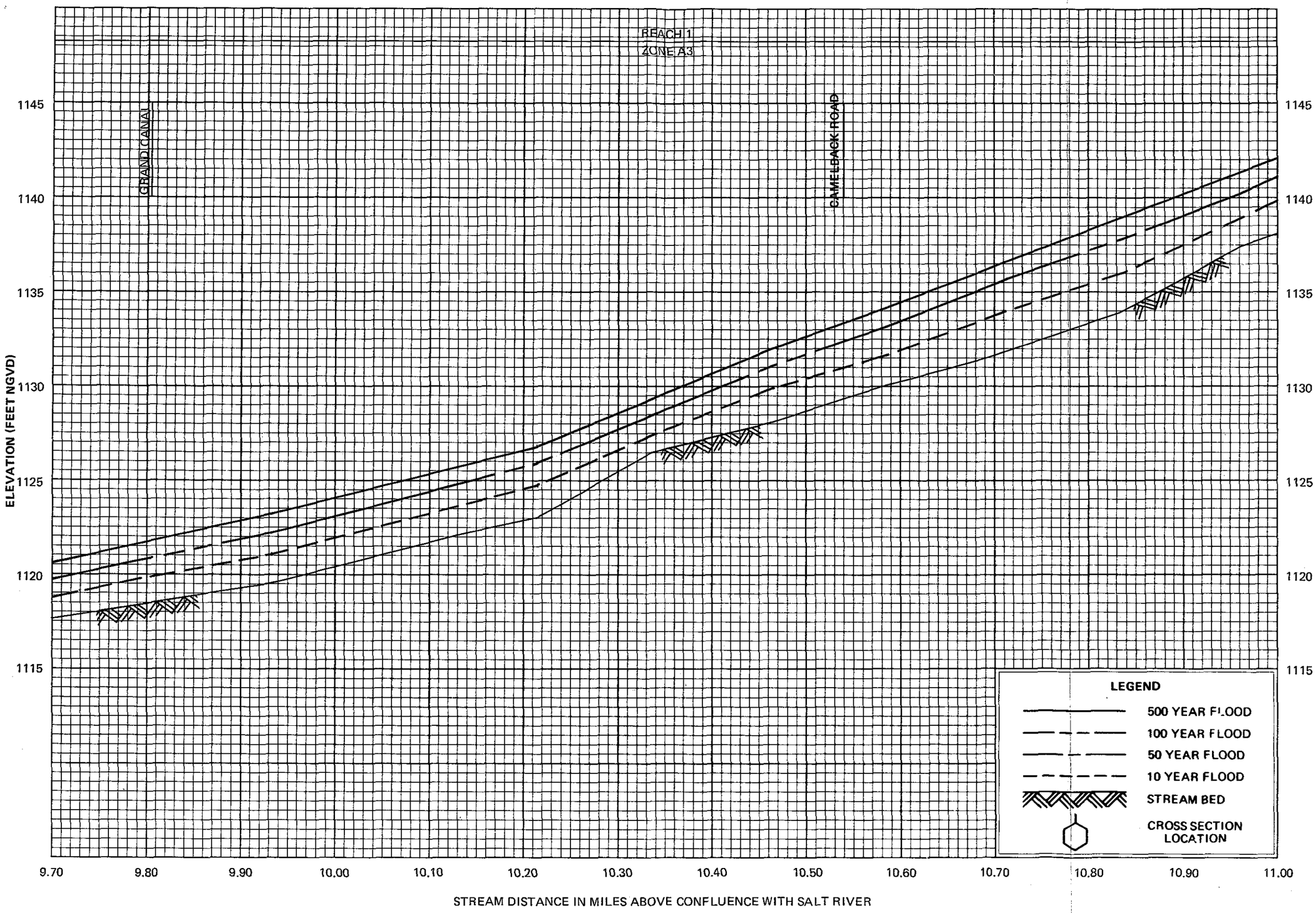

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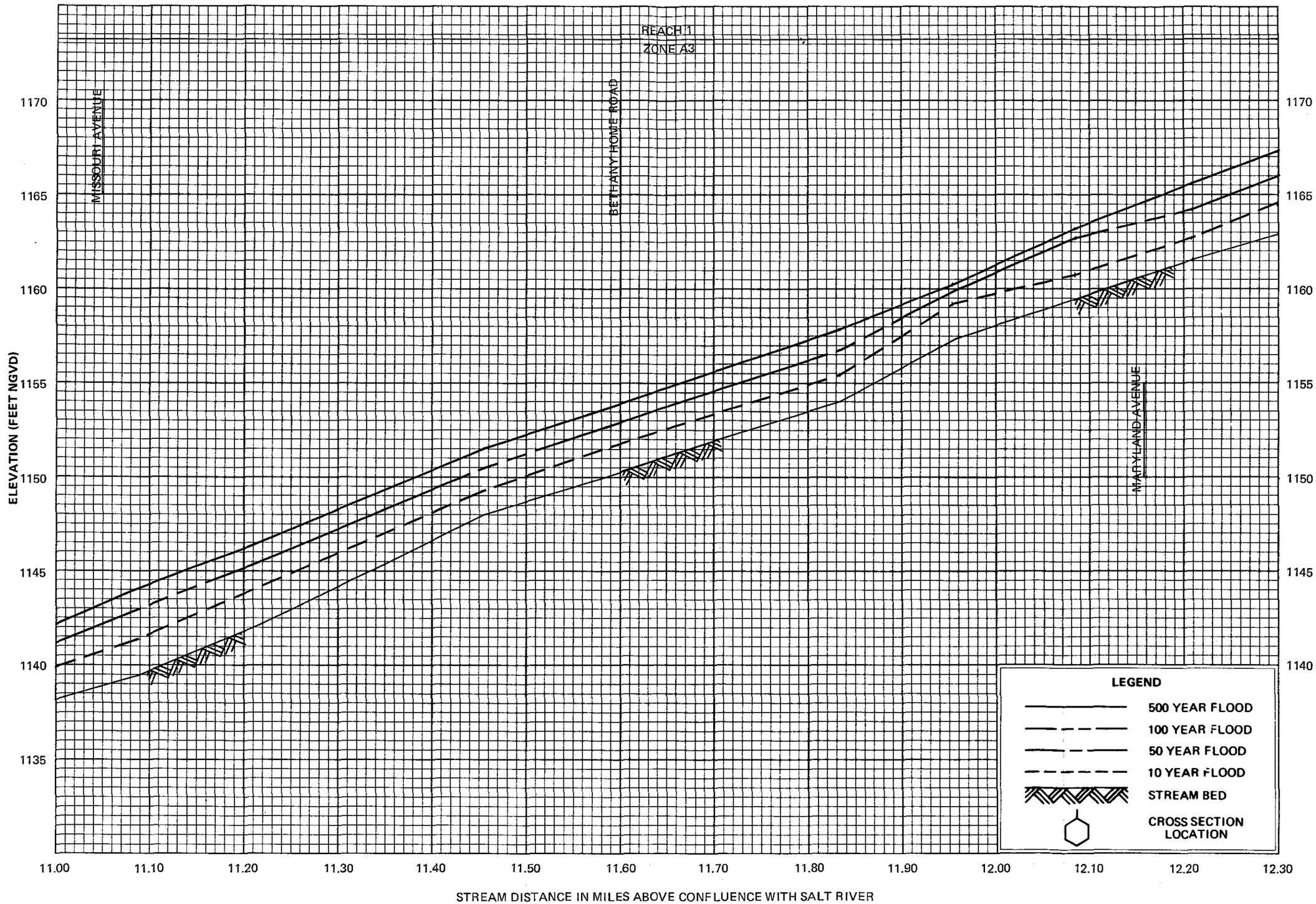

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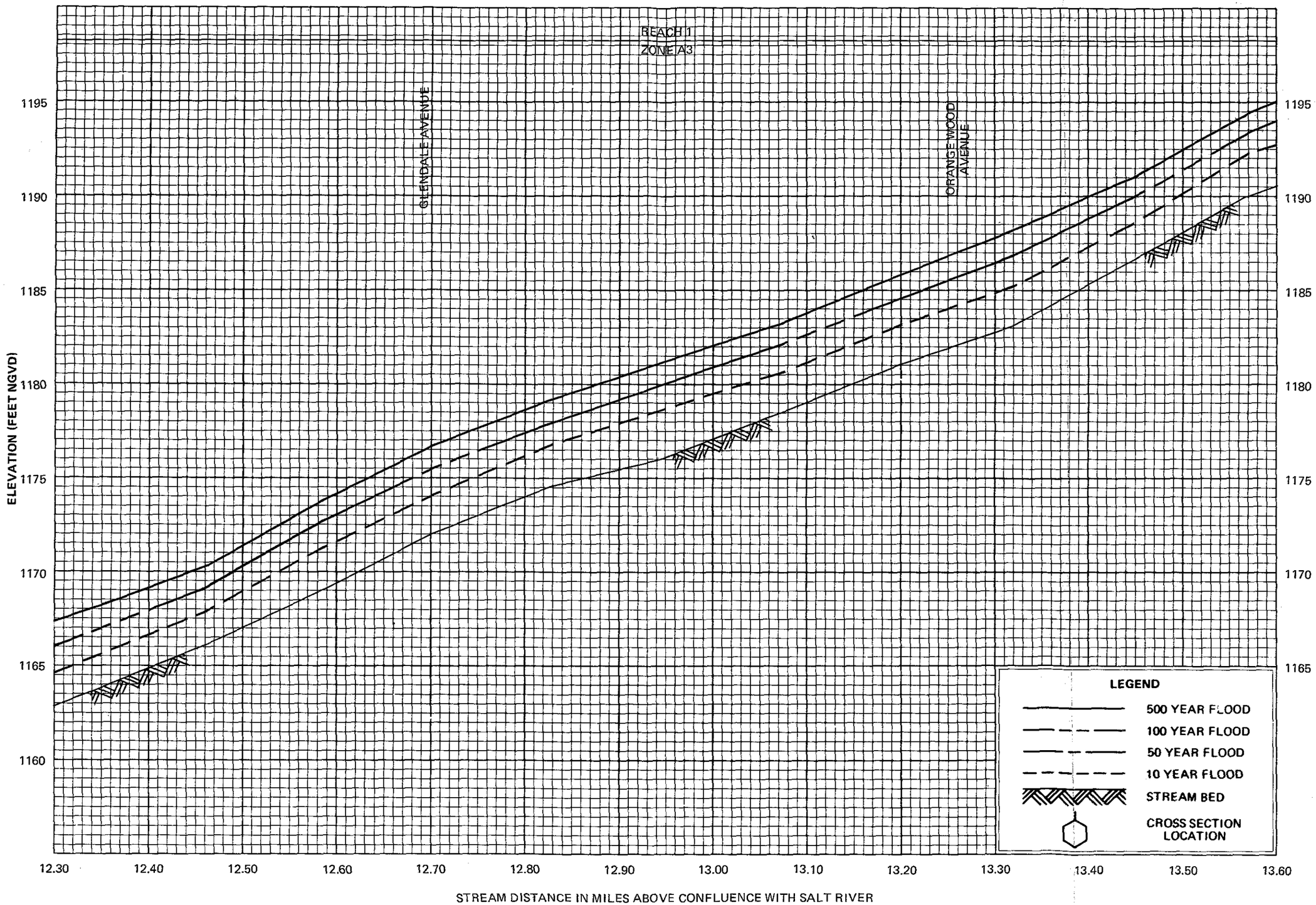

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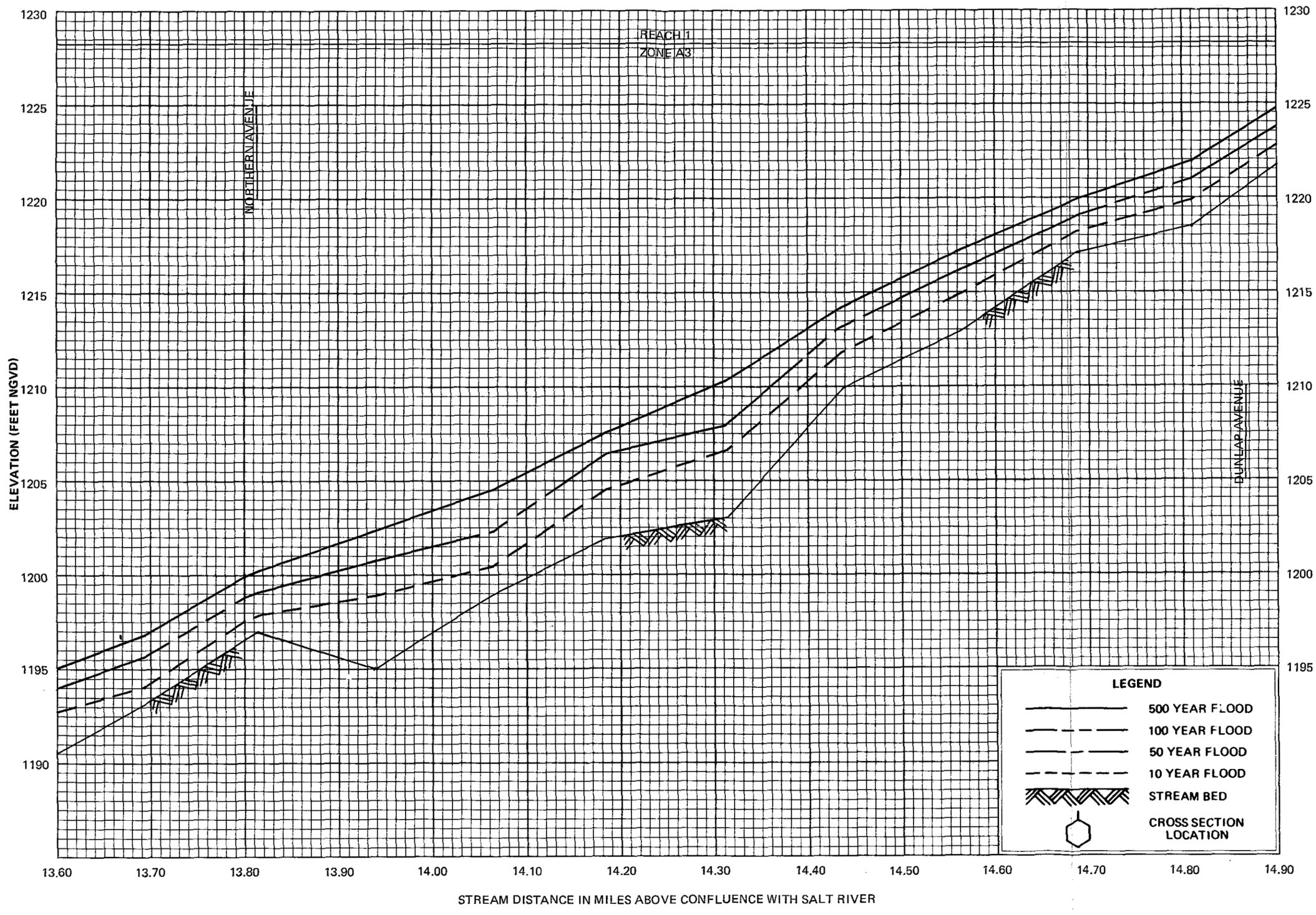

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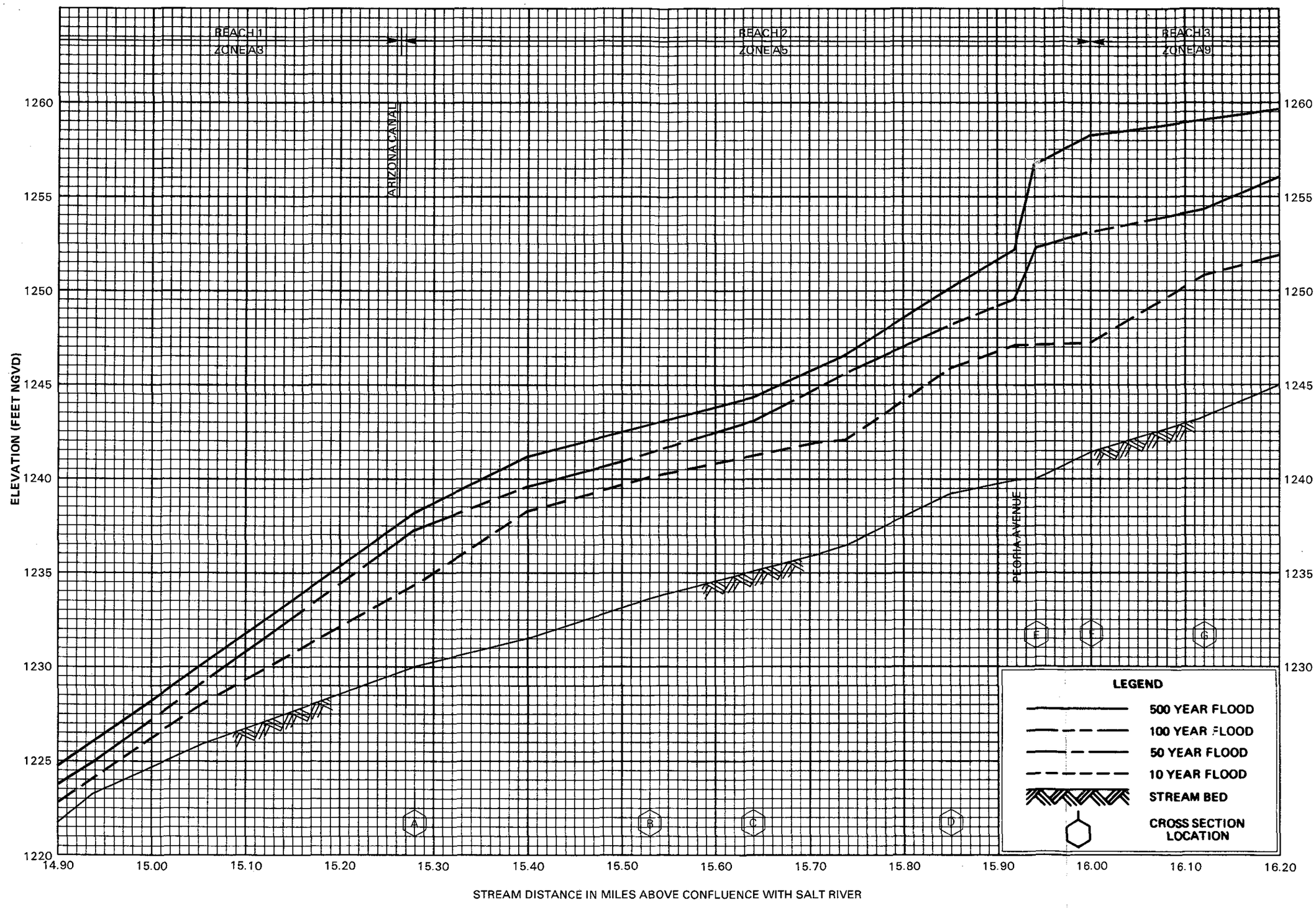

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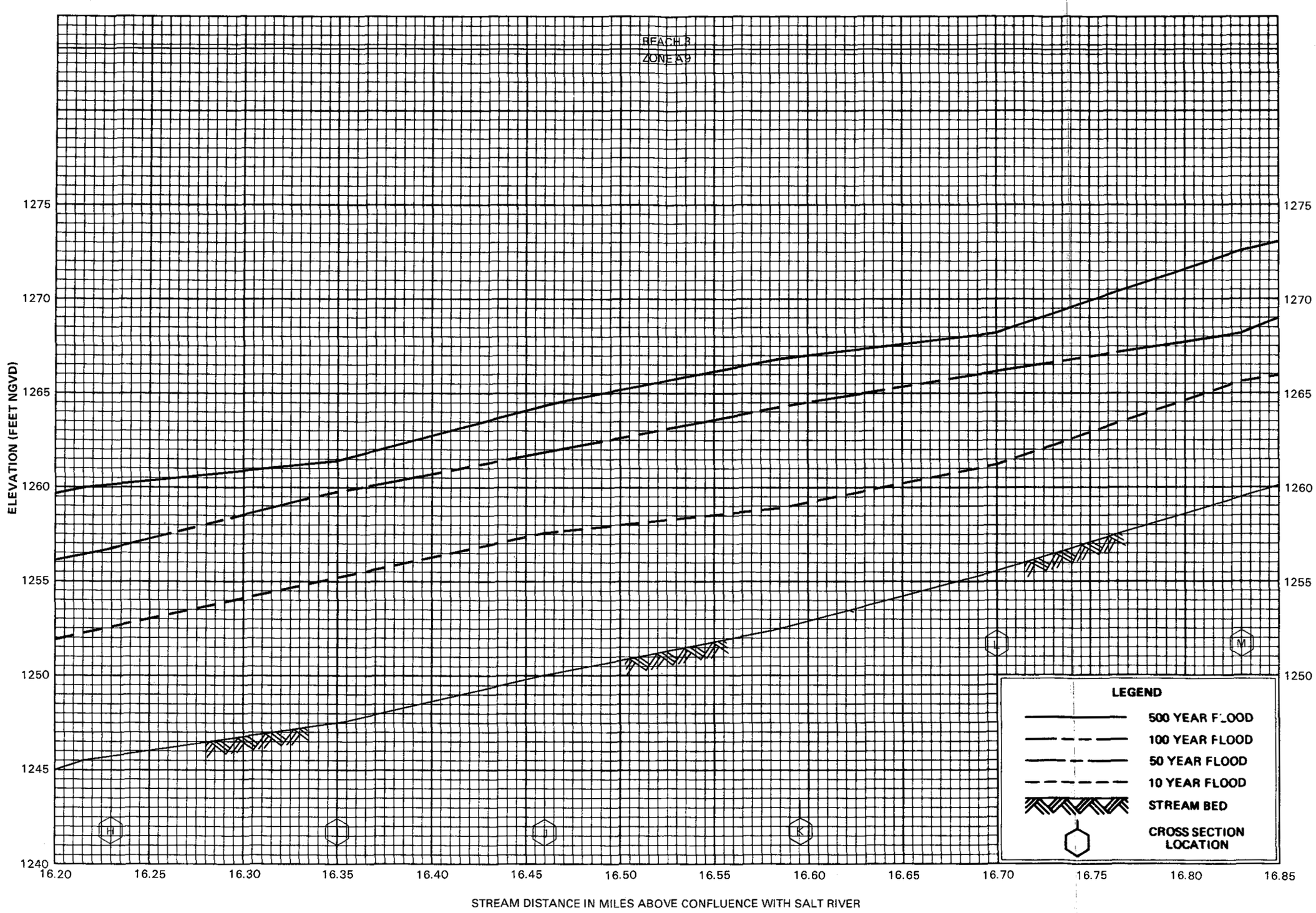

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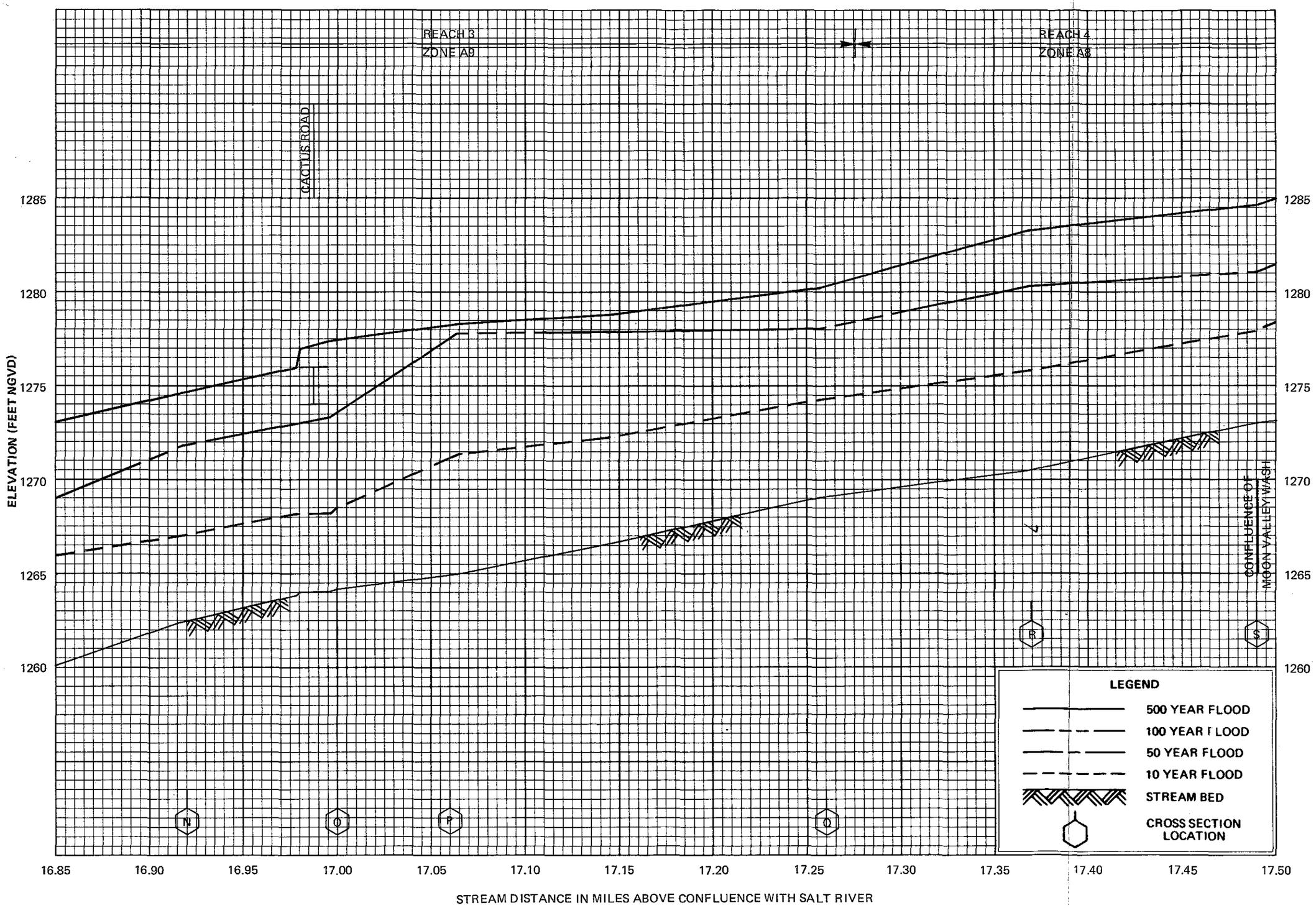

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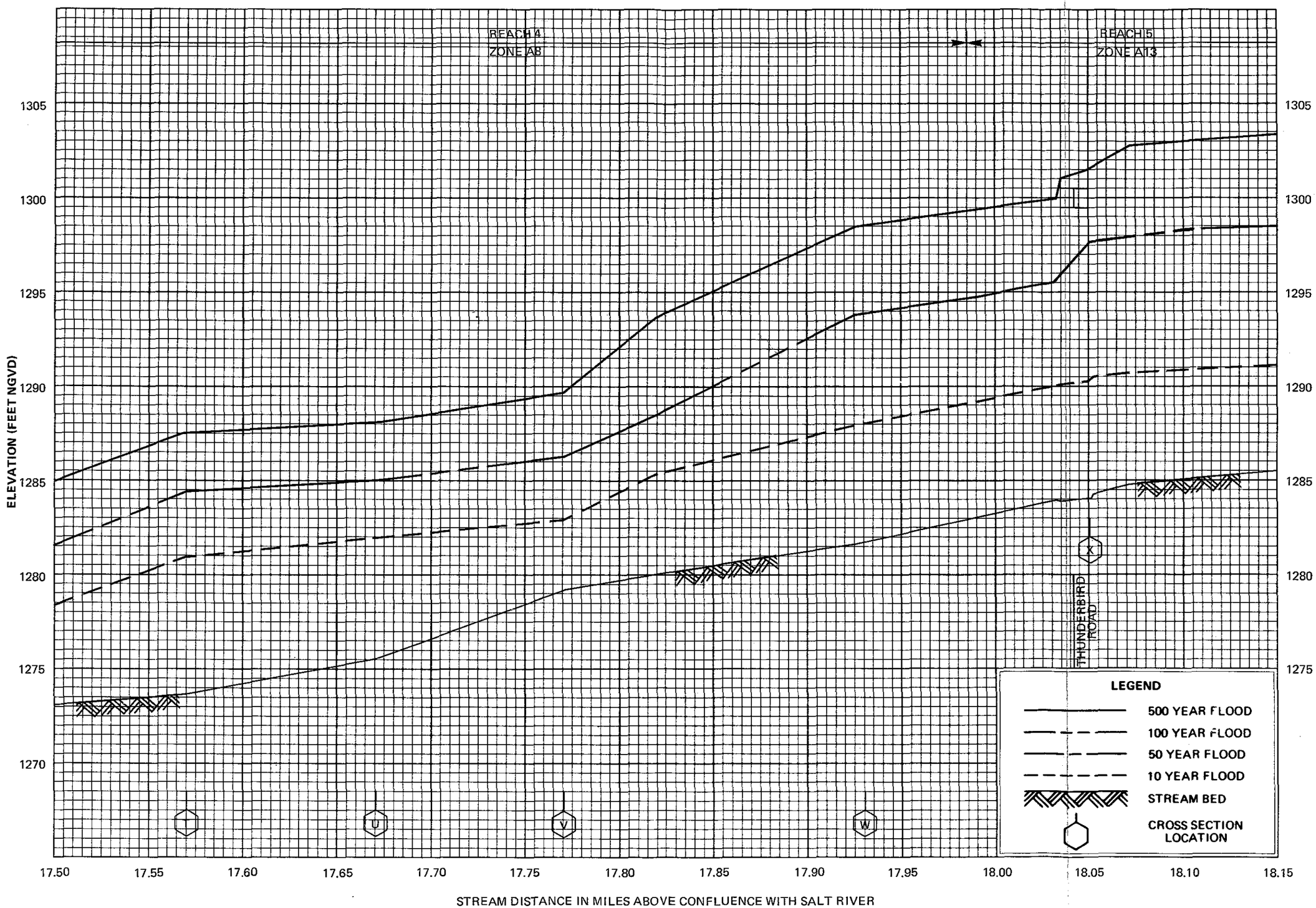

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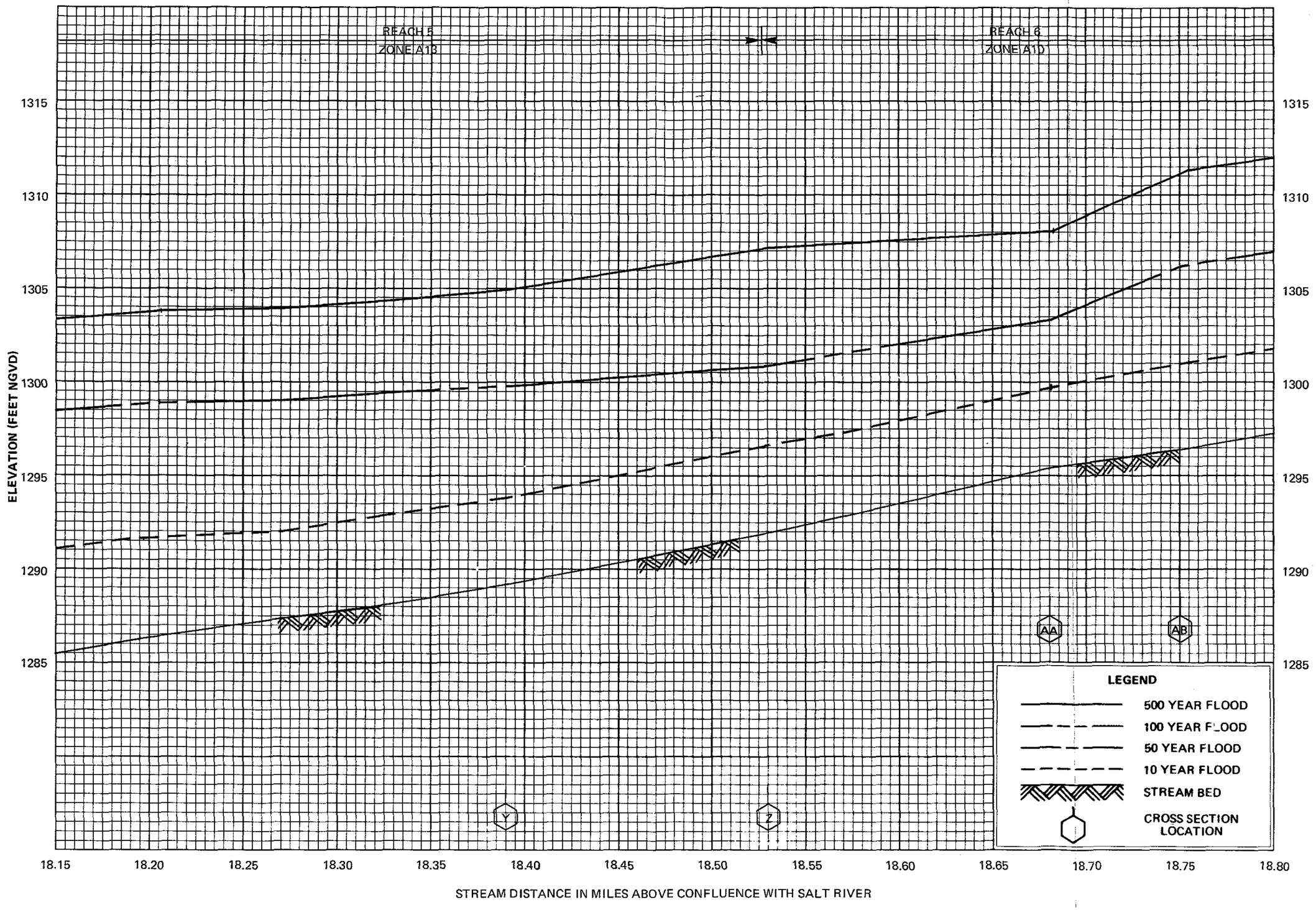

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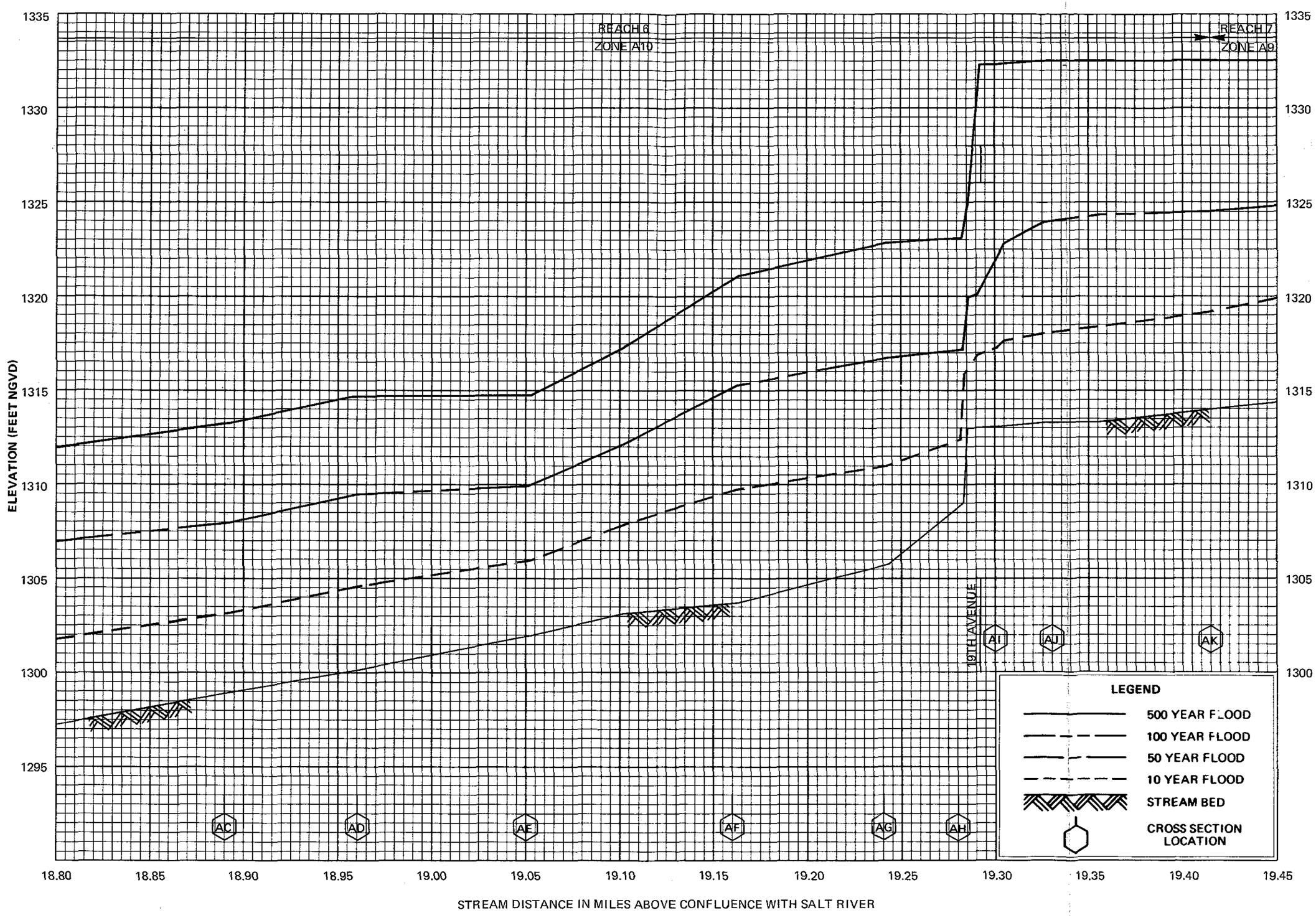

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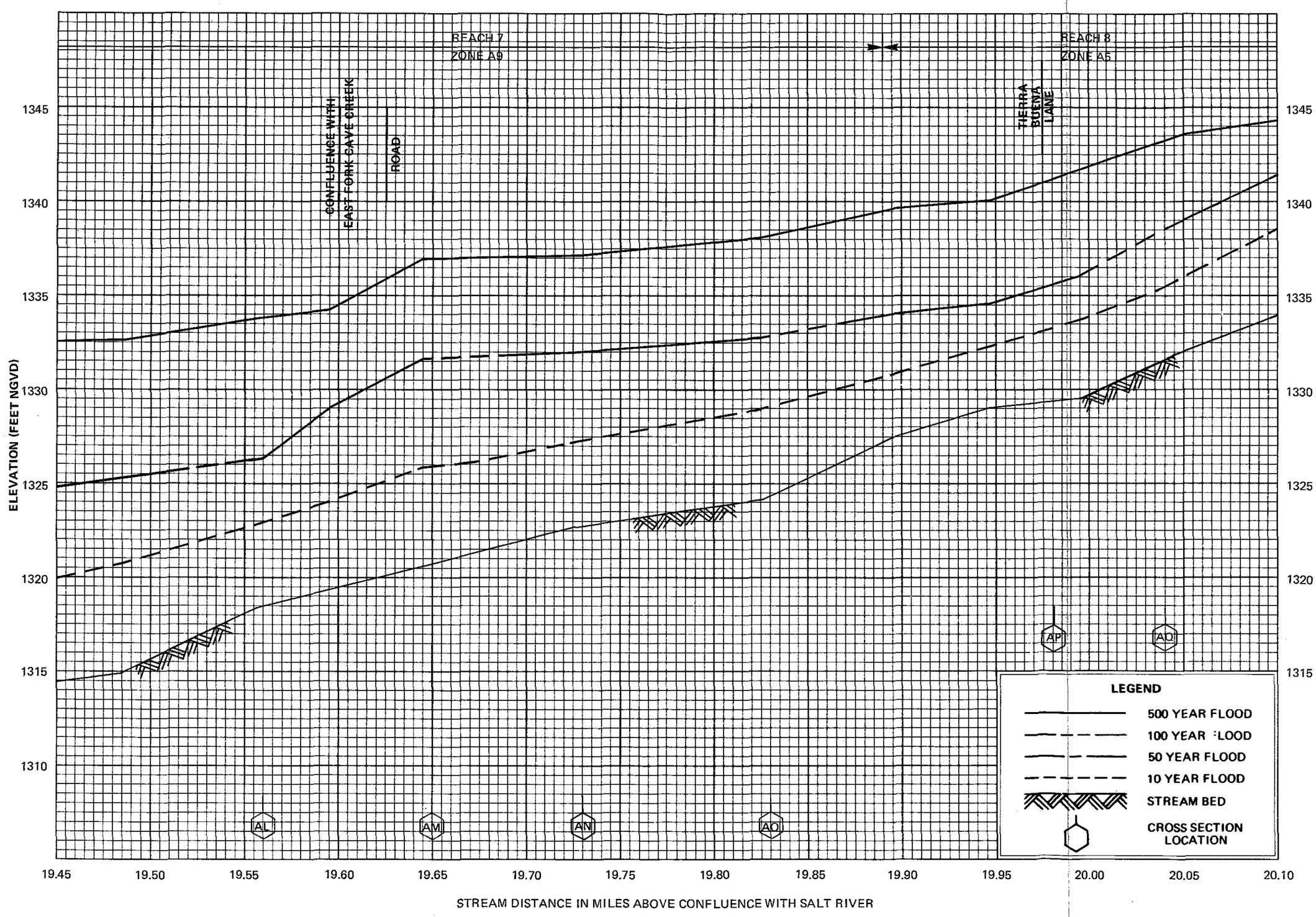

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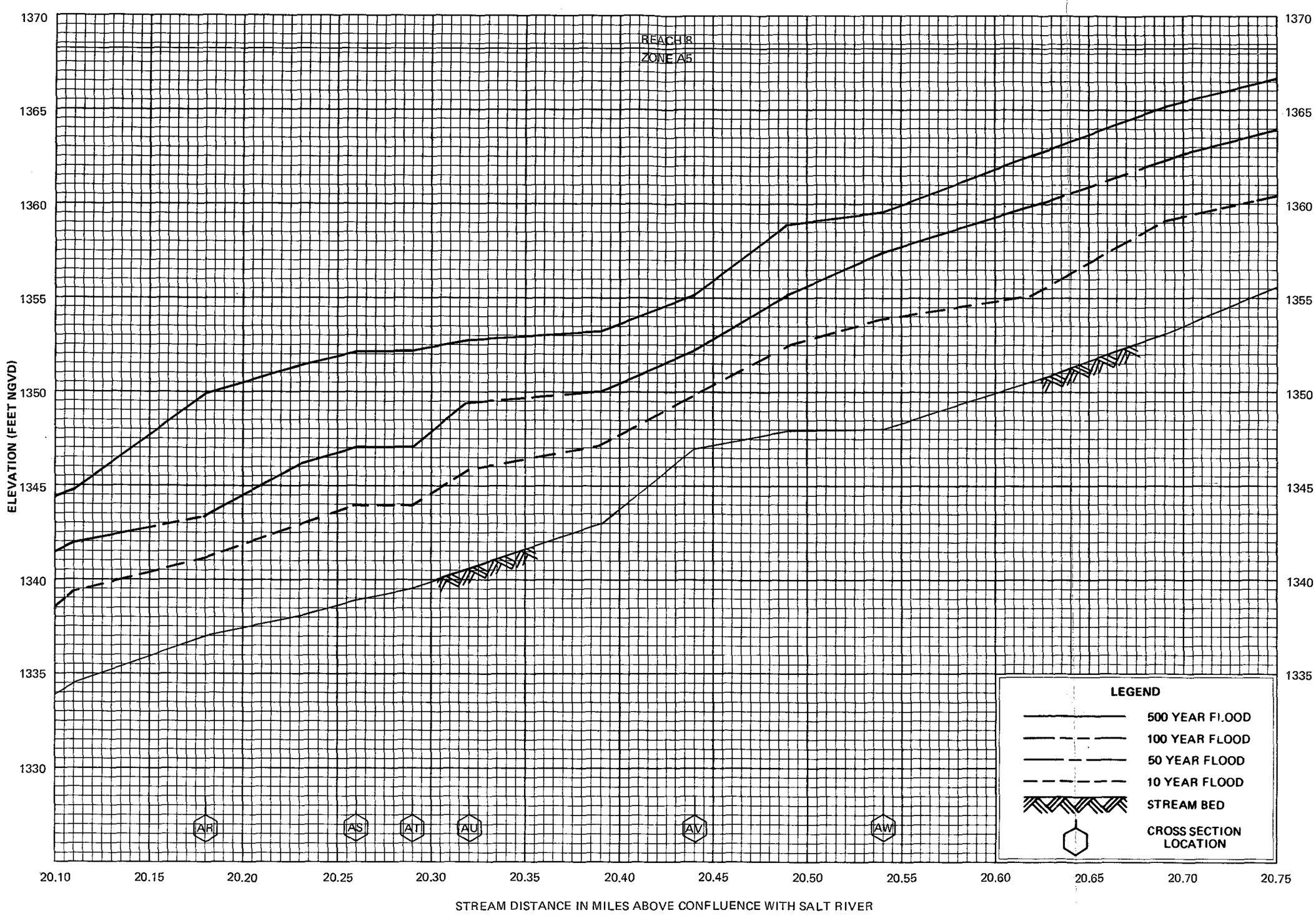

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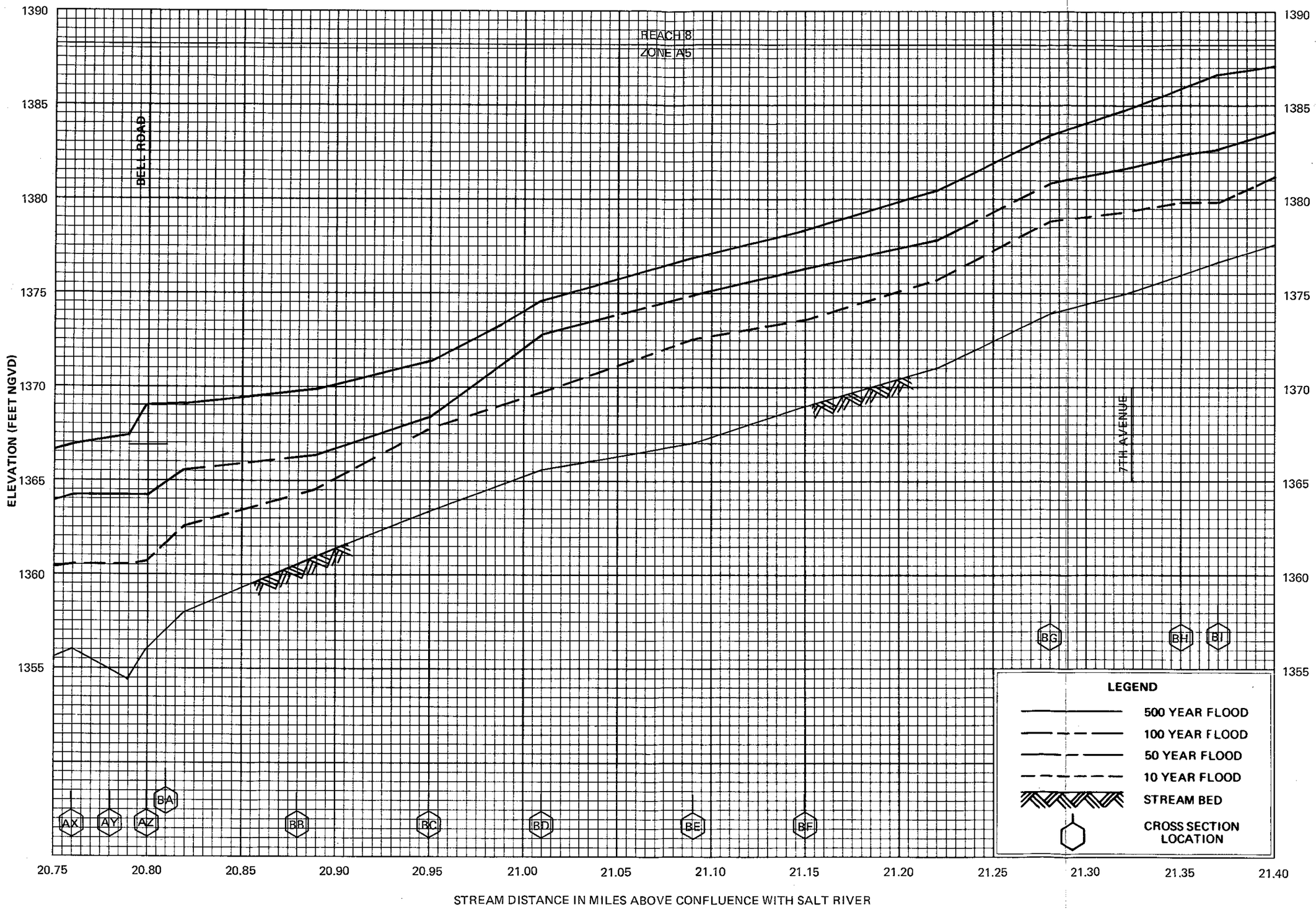

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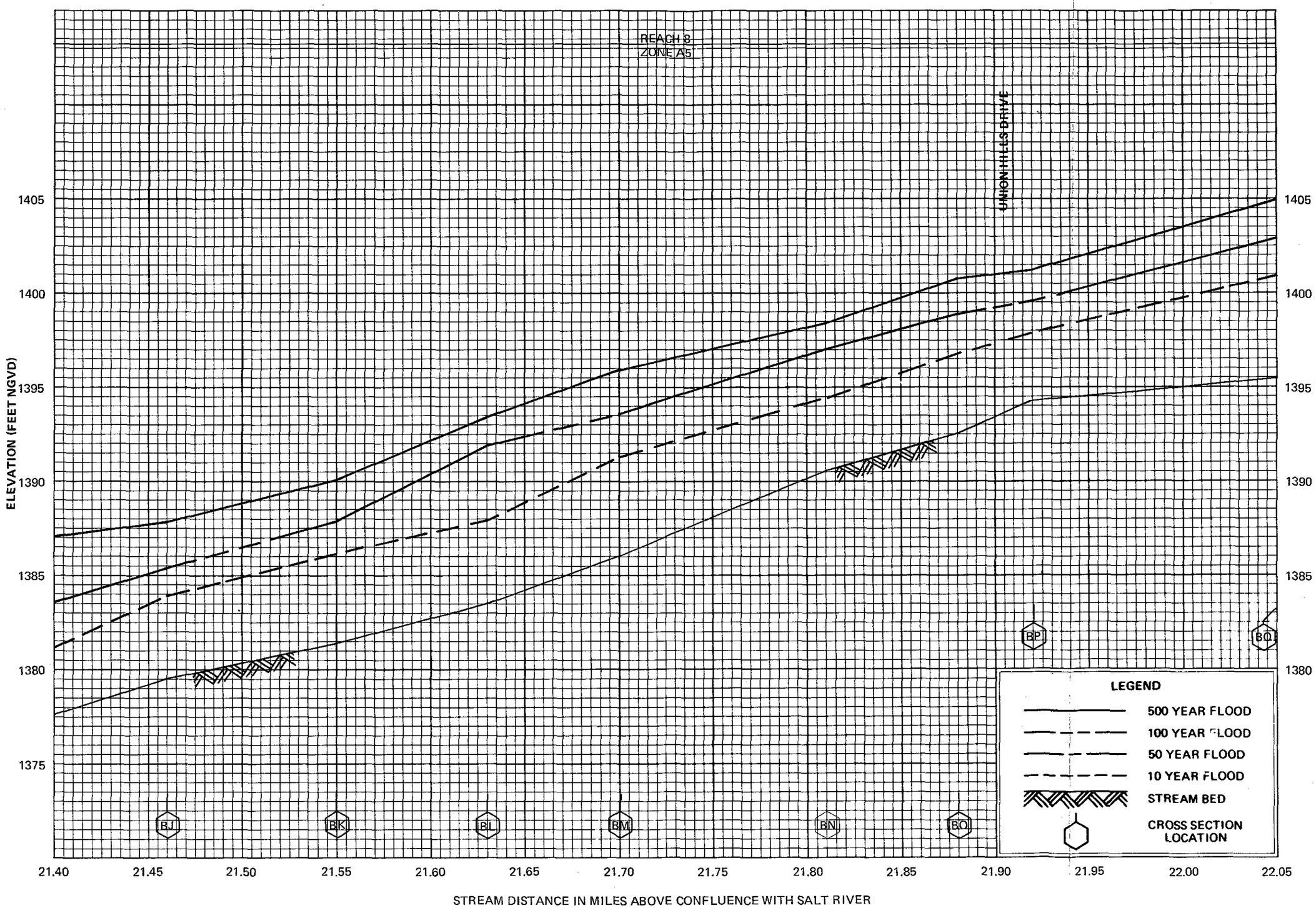

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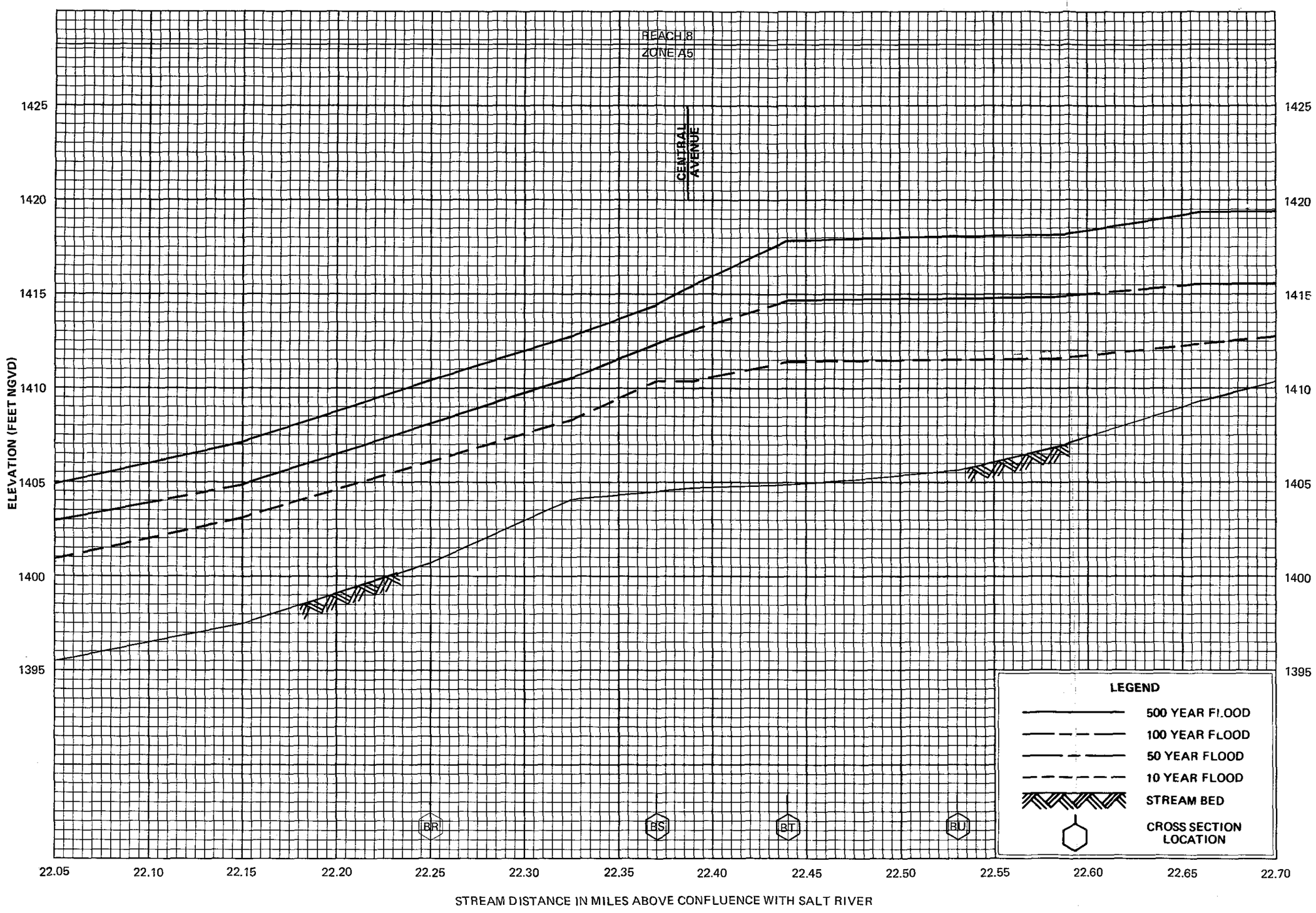

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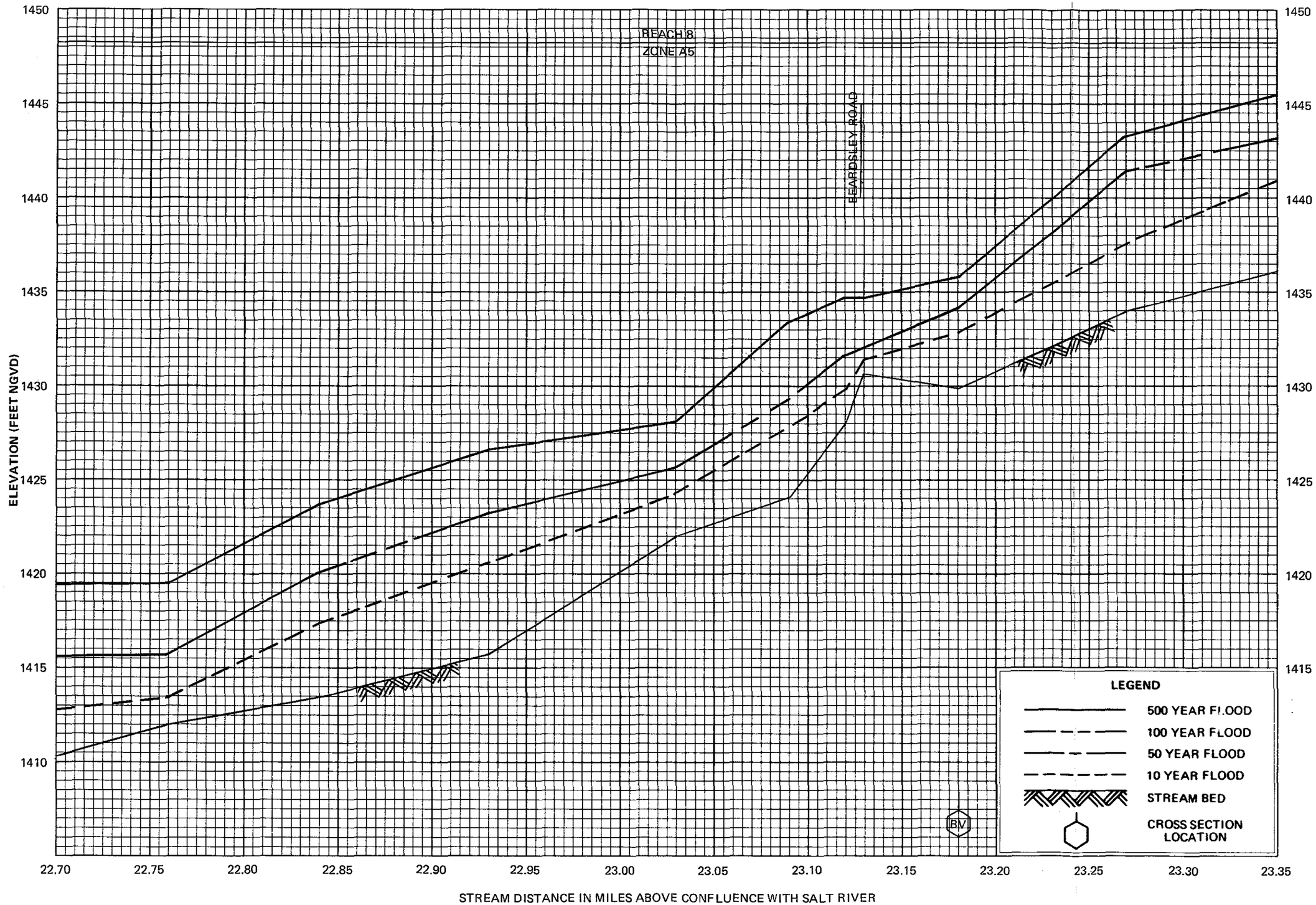

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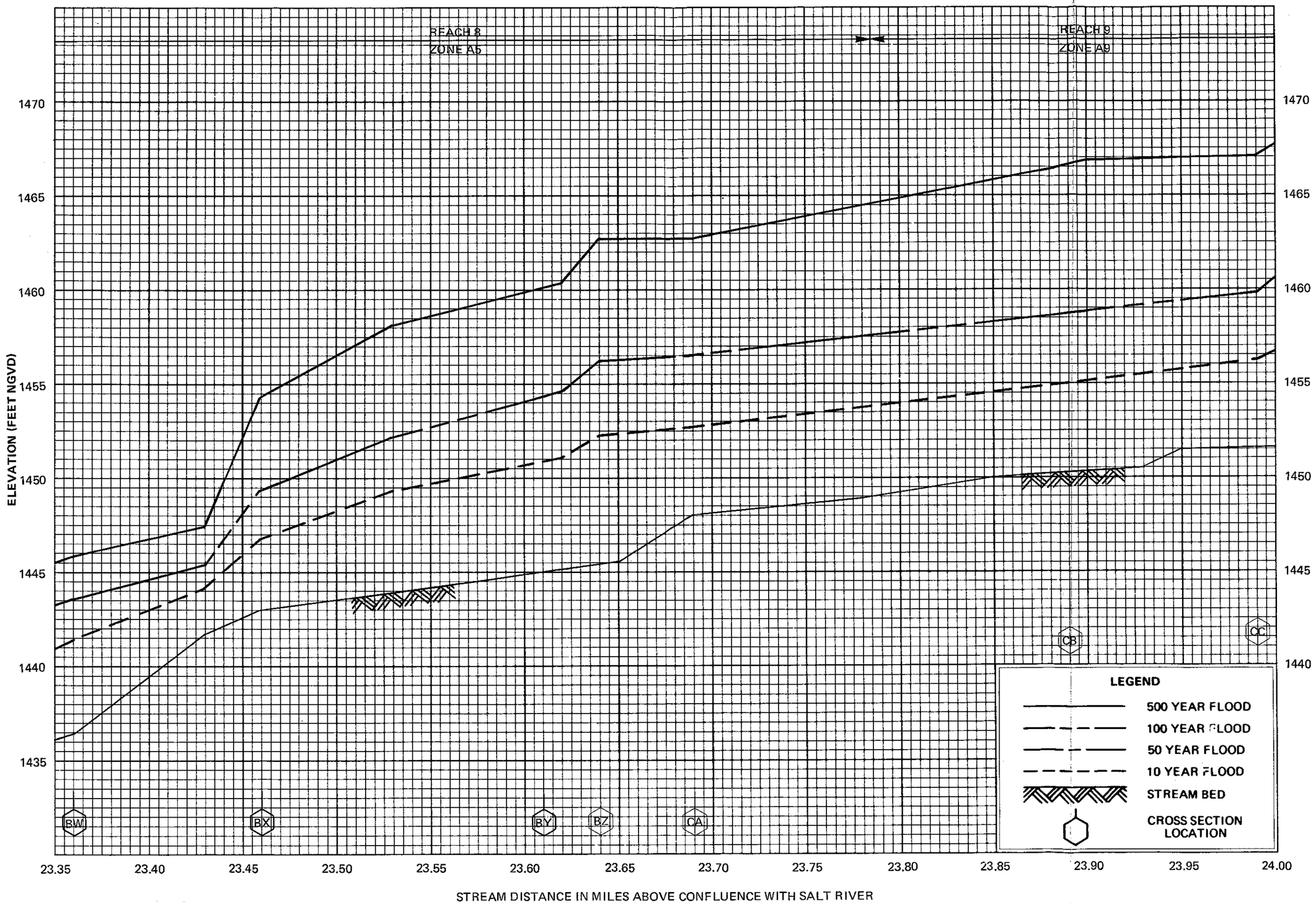

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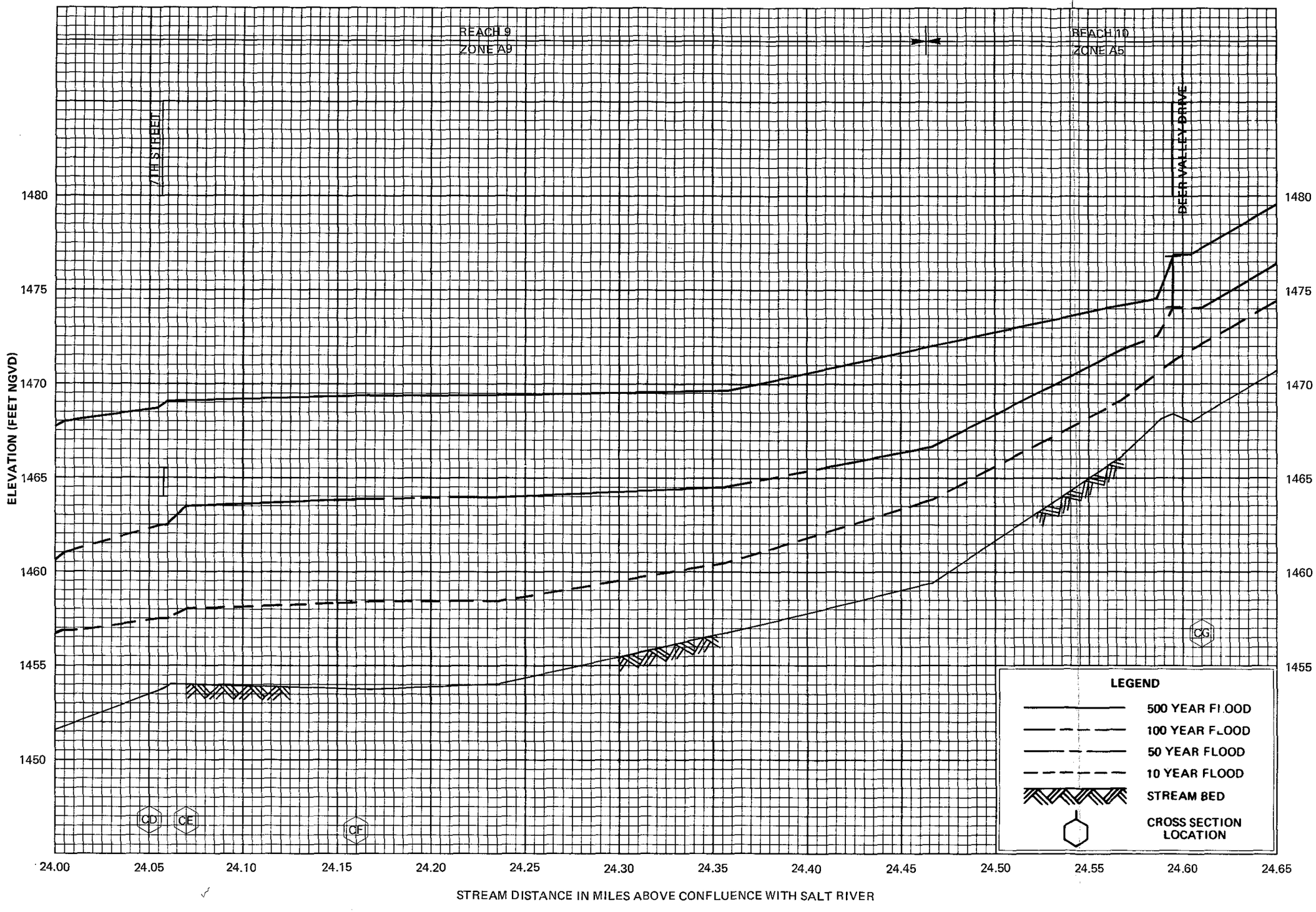

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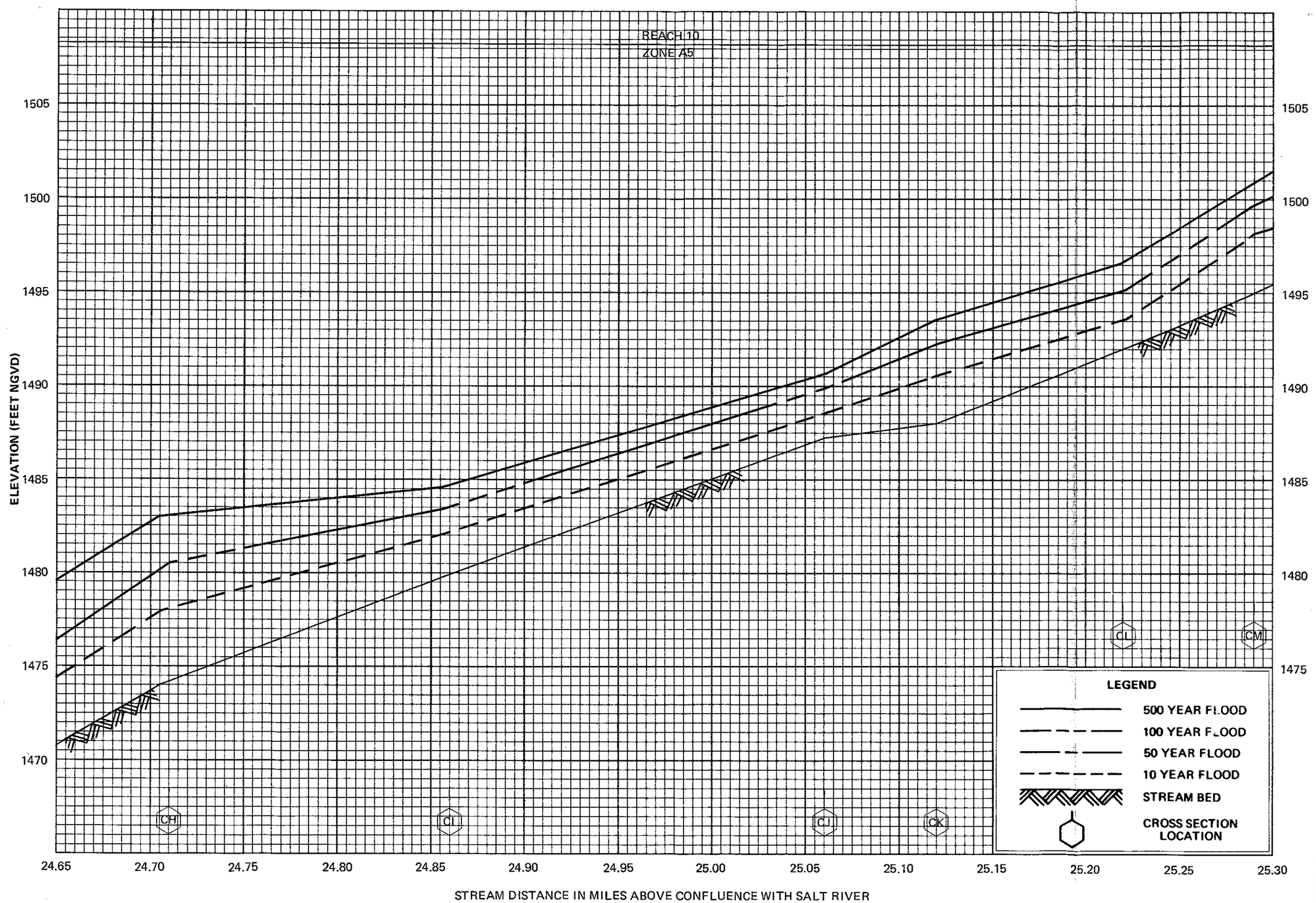

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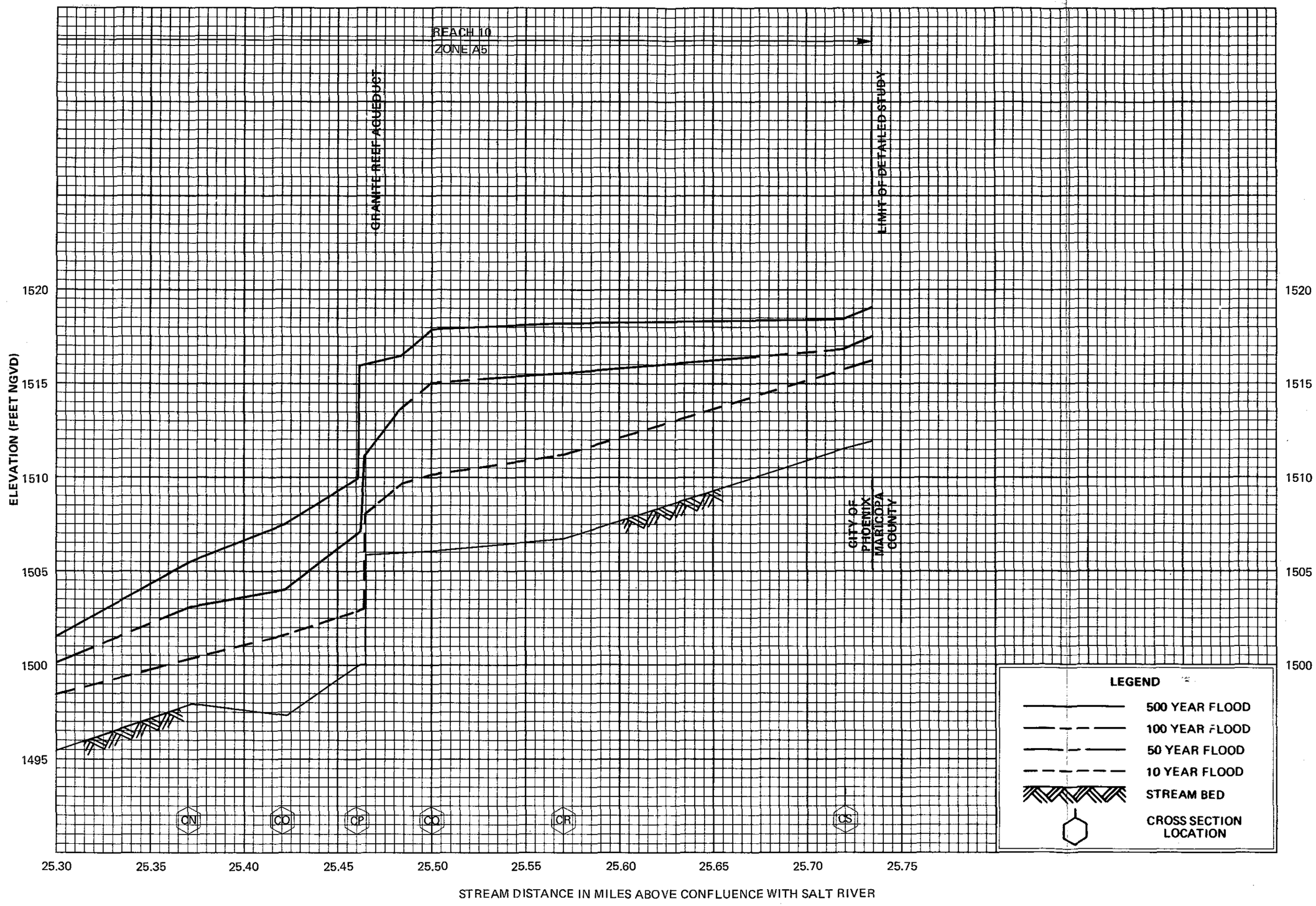

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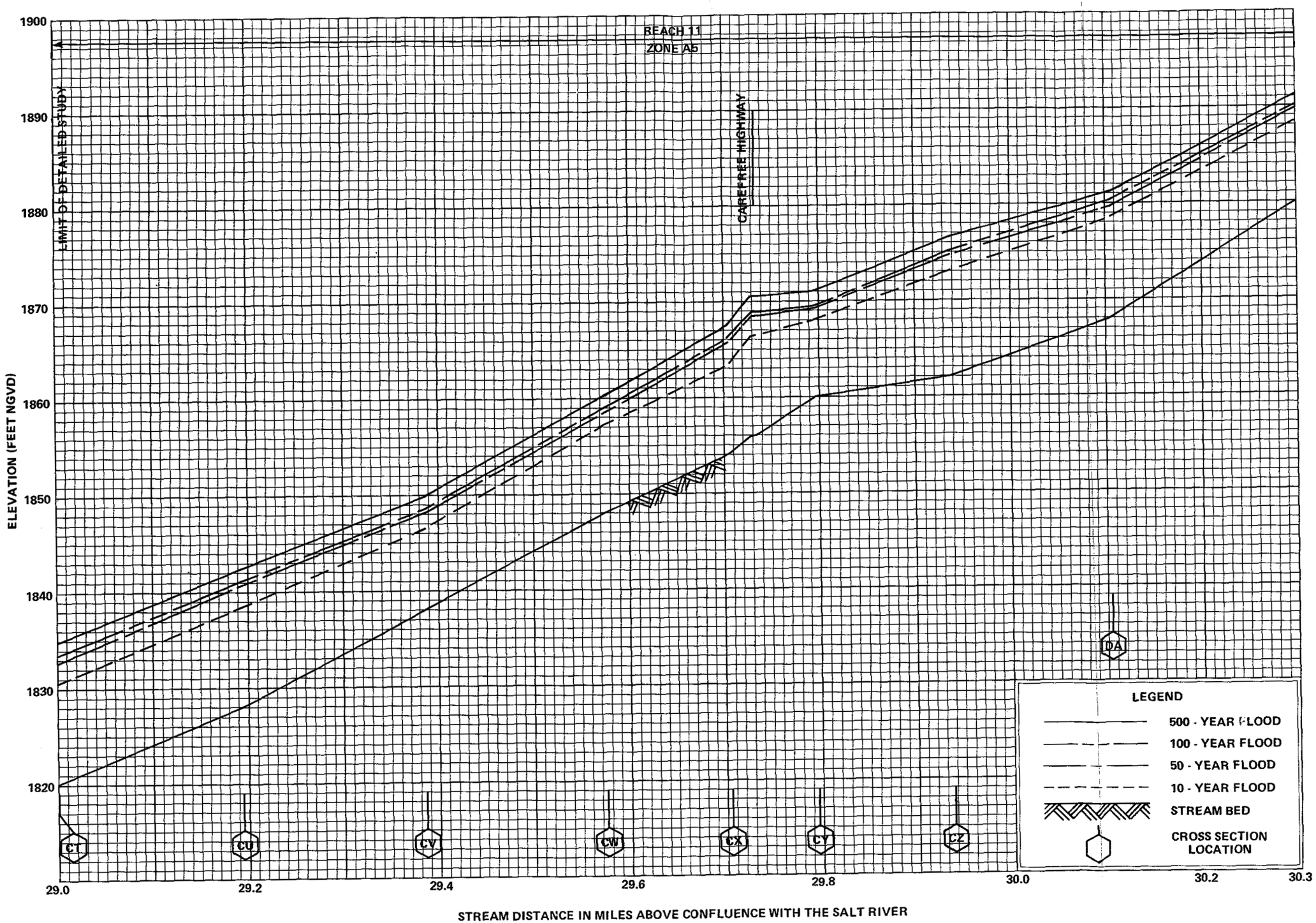

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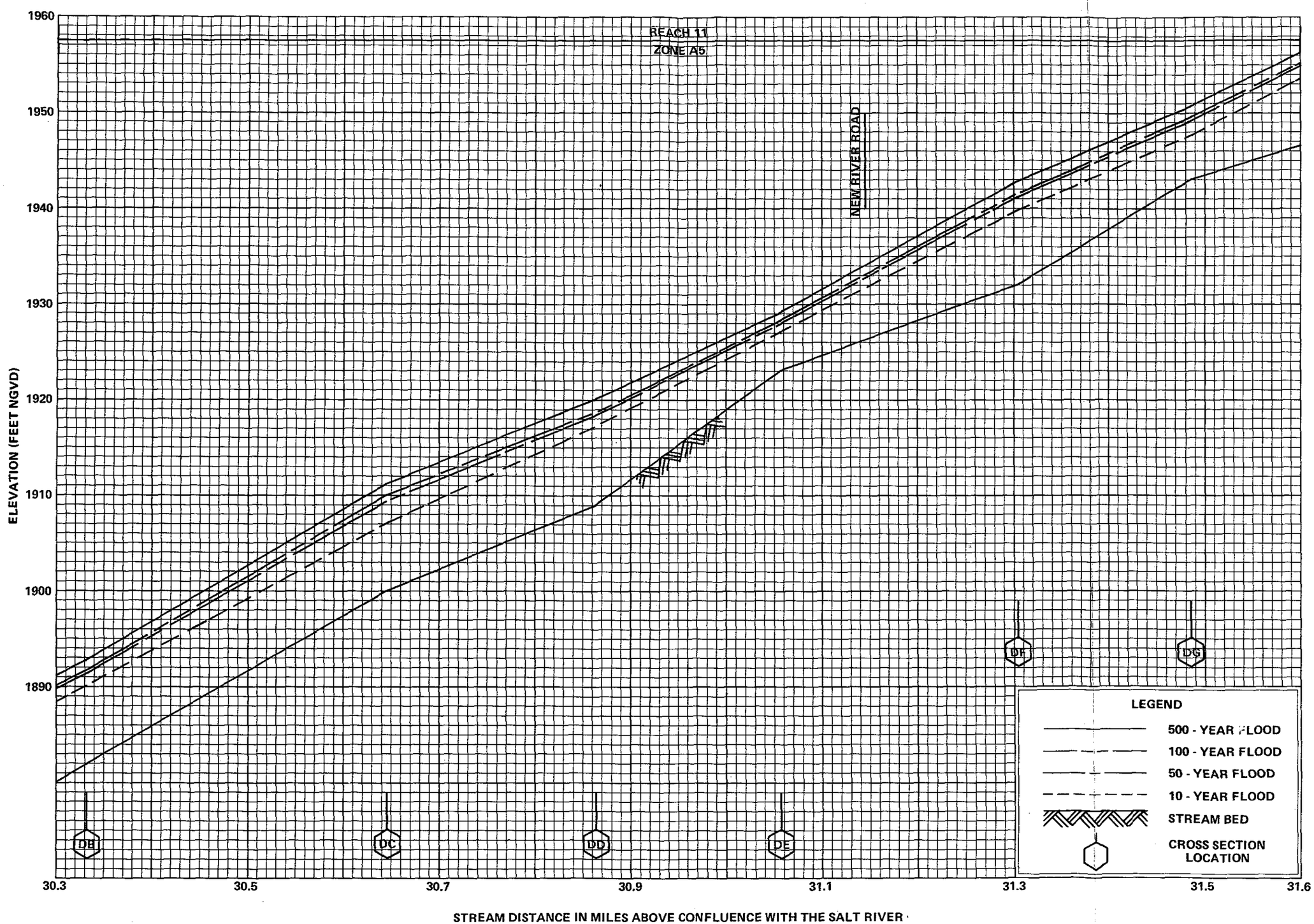

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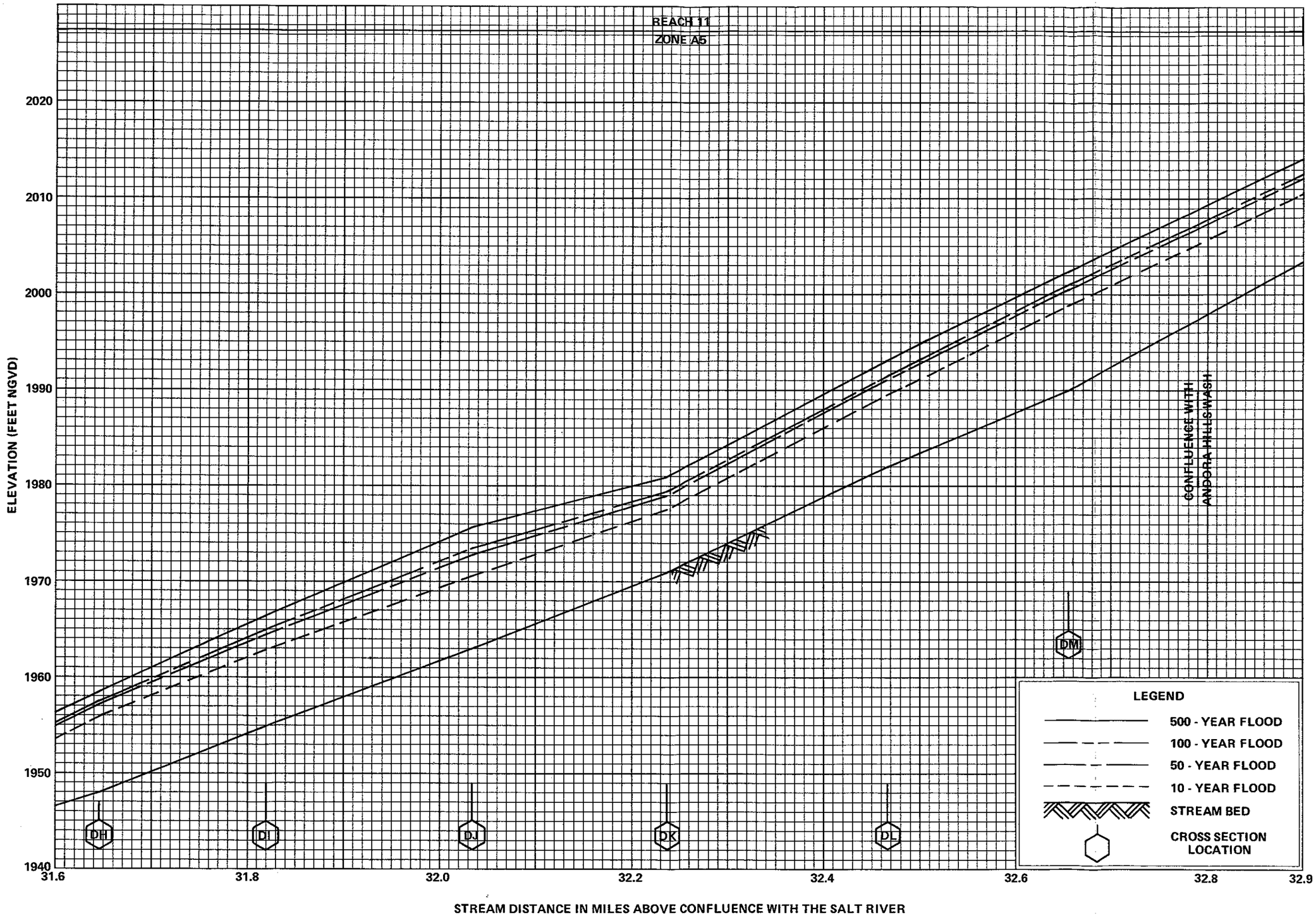

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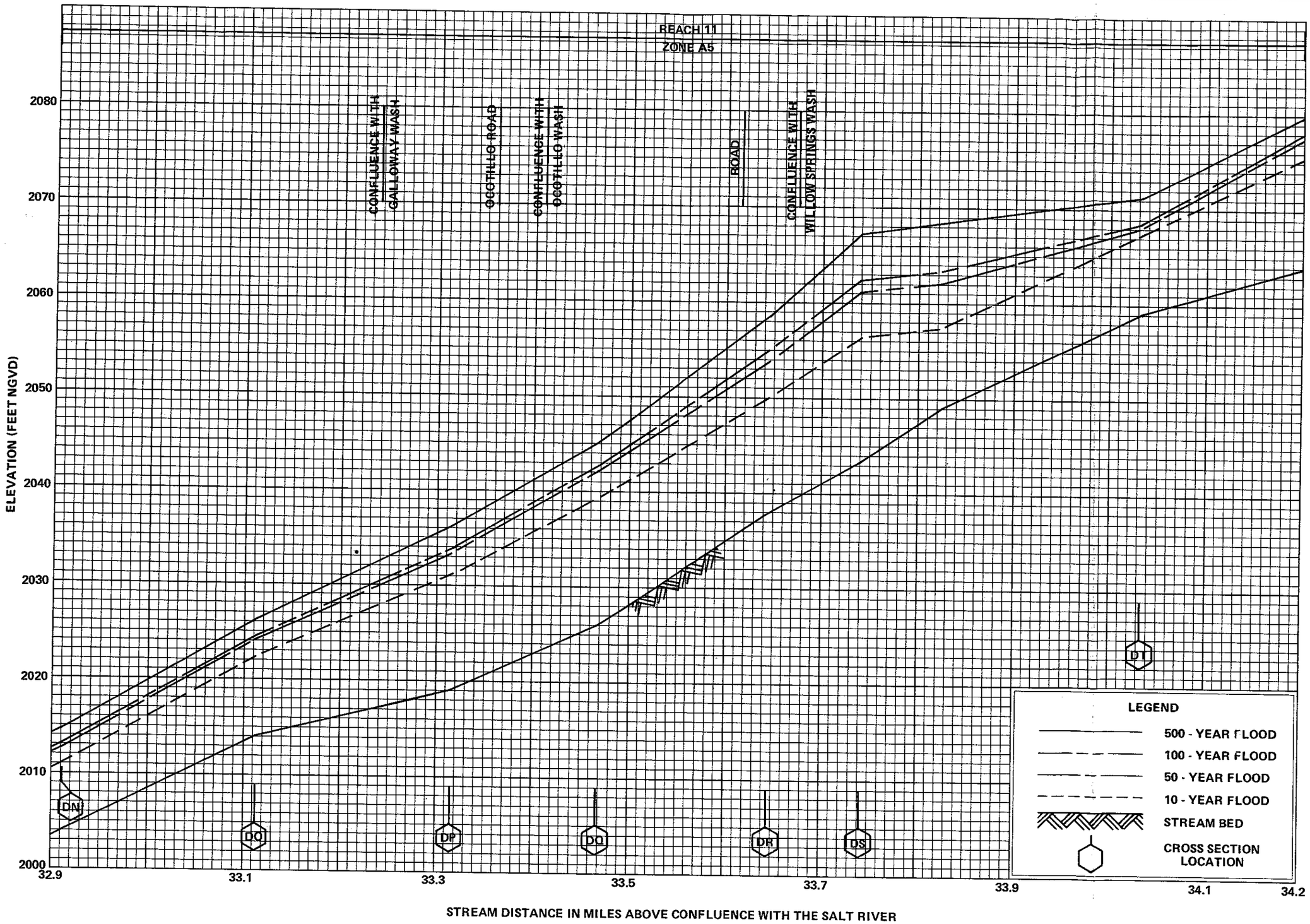

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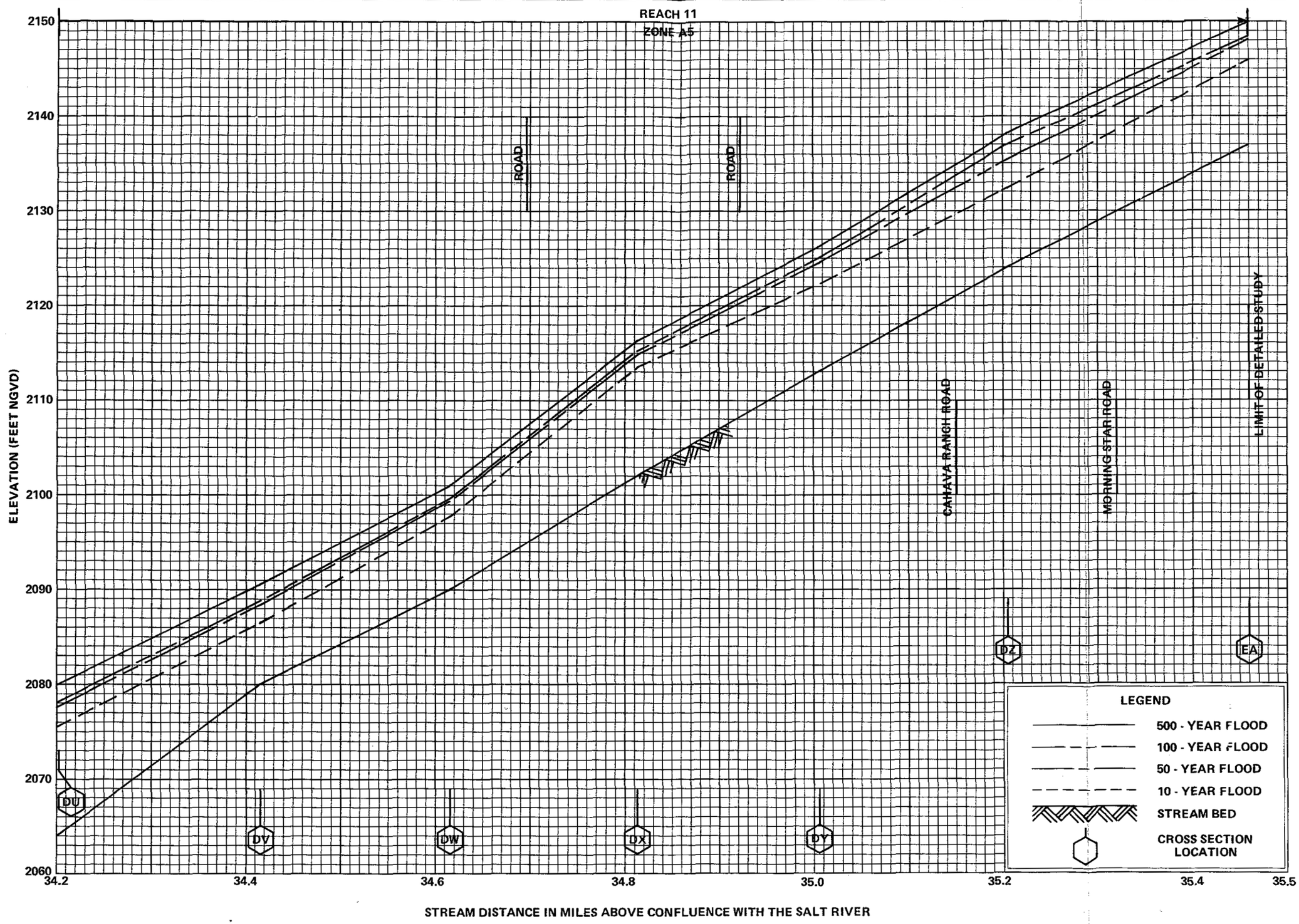
MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

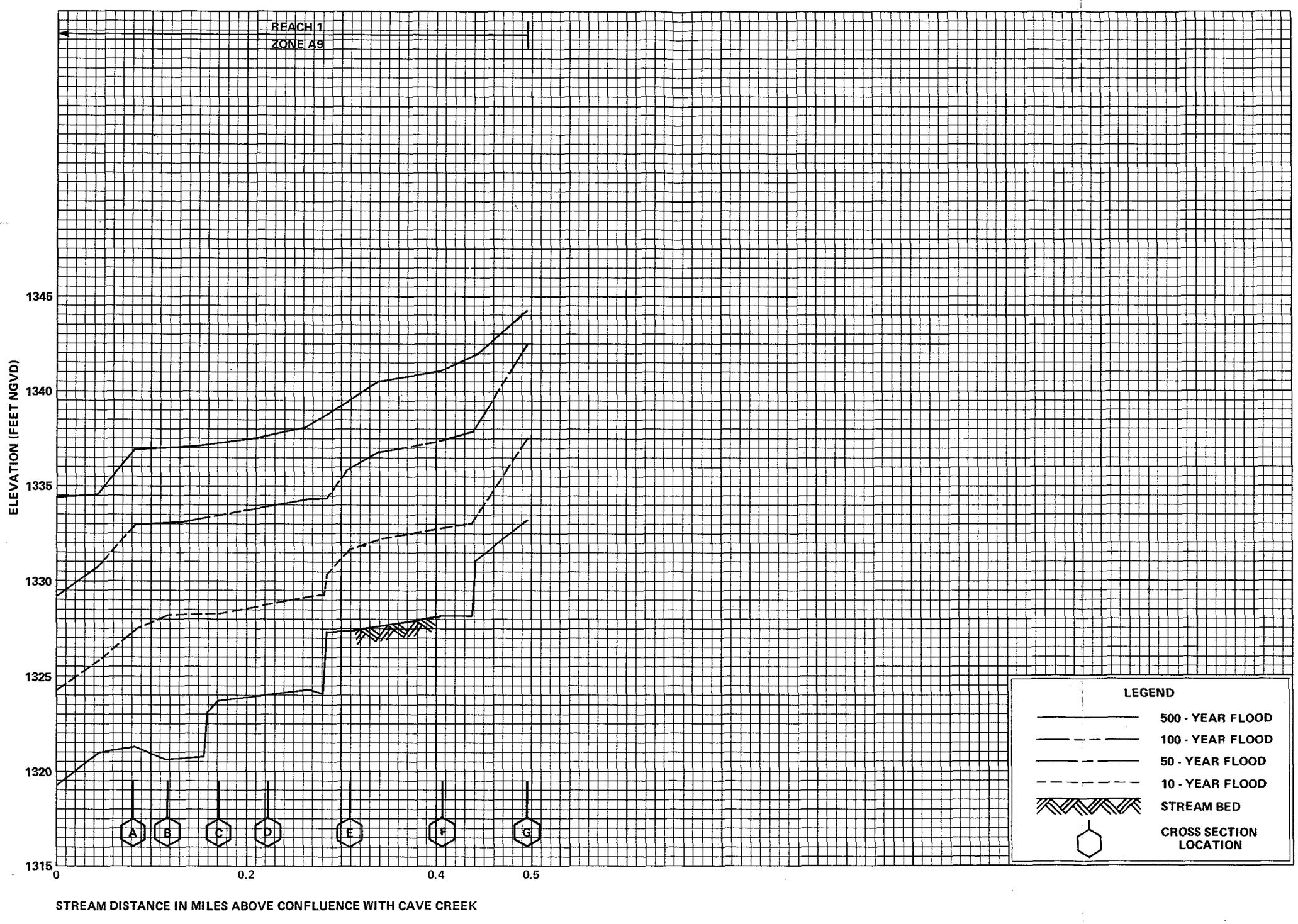


FLOOD PROFILES

CAVE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

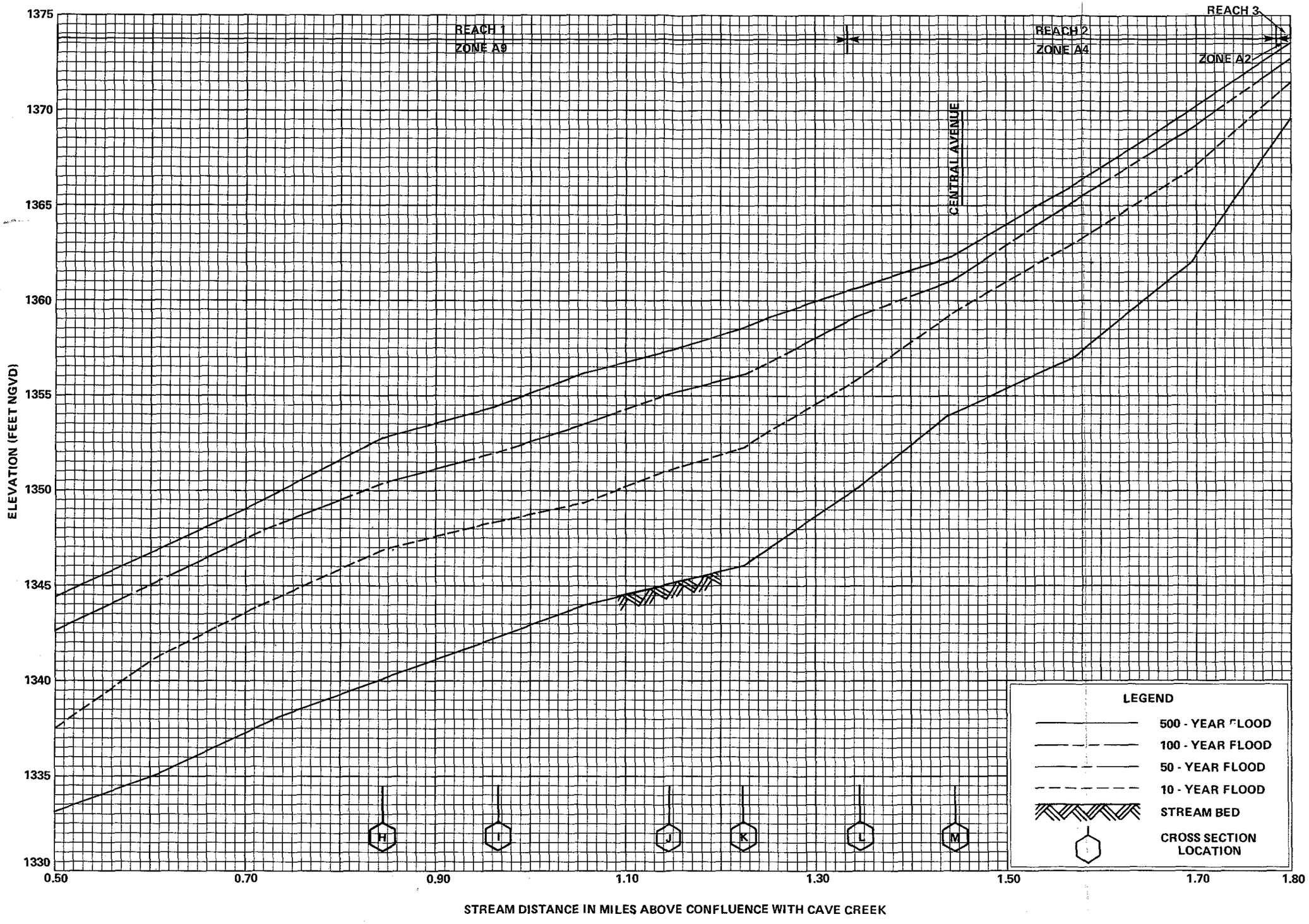


FLOOD PROFILES

EAST FORK CAVE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

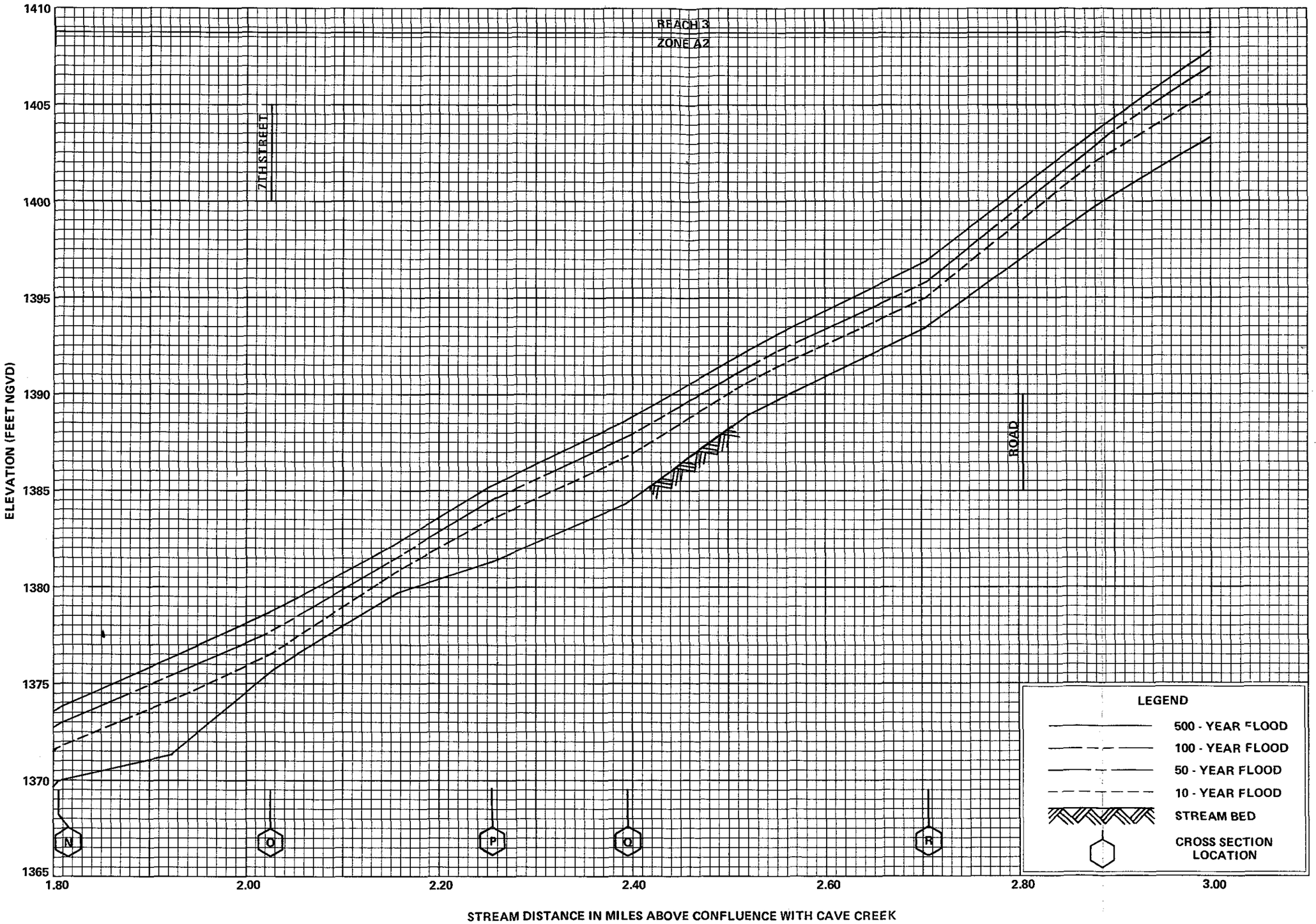


FLOOD PROFILES

EAST FORK CAVE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

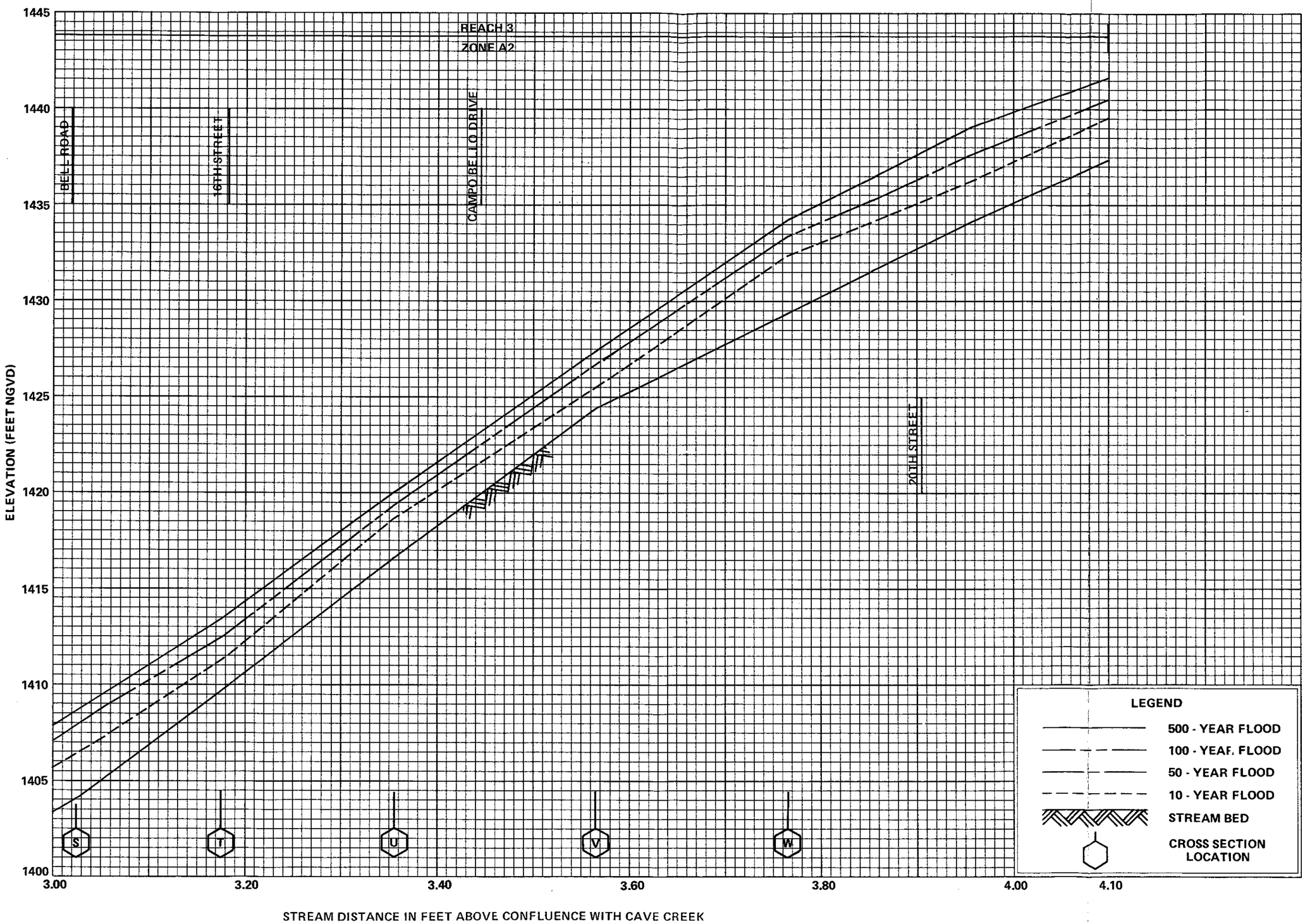


FLOOD PROFILES

EAST FORK CAVE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

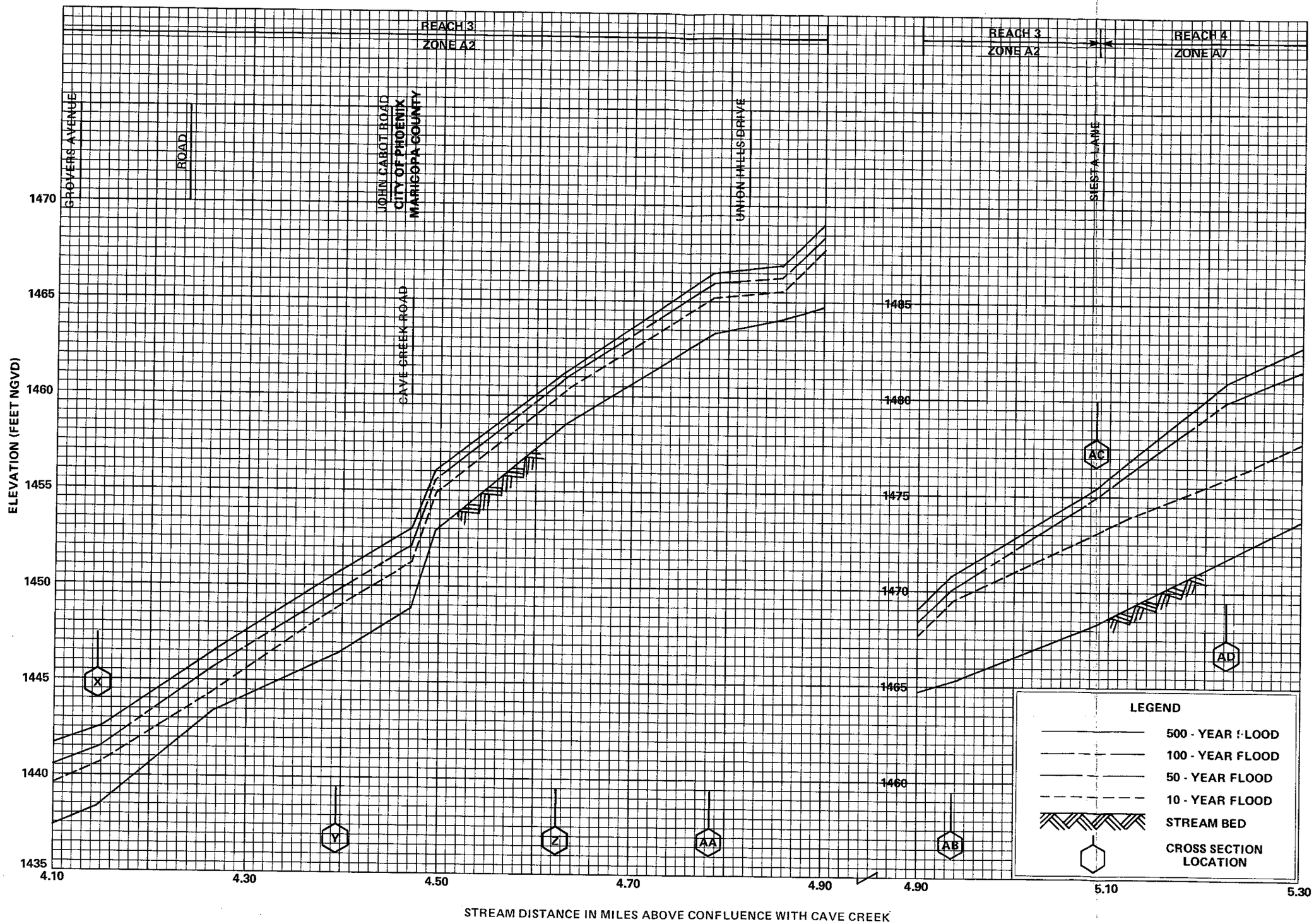


FLOOD PROFILES

EAST FORK CAVE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

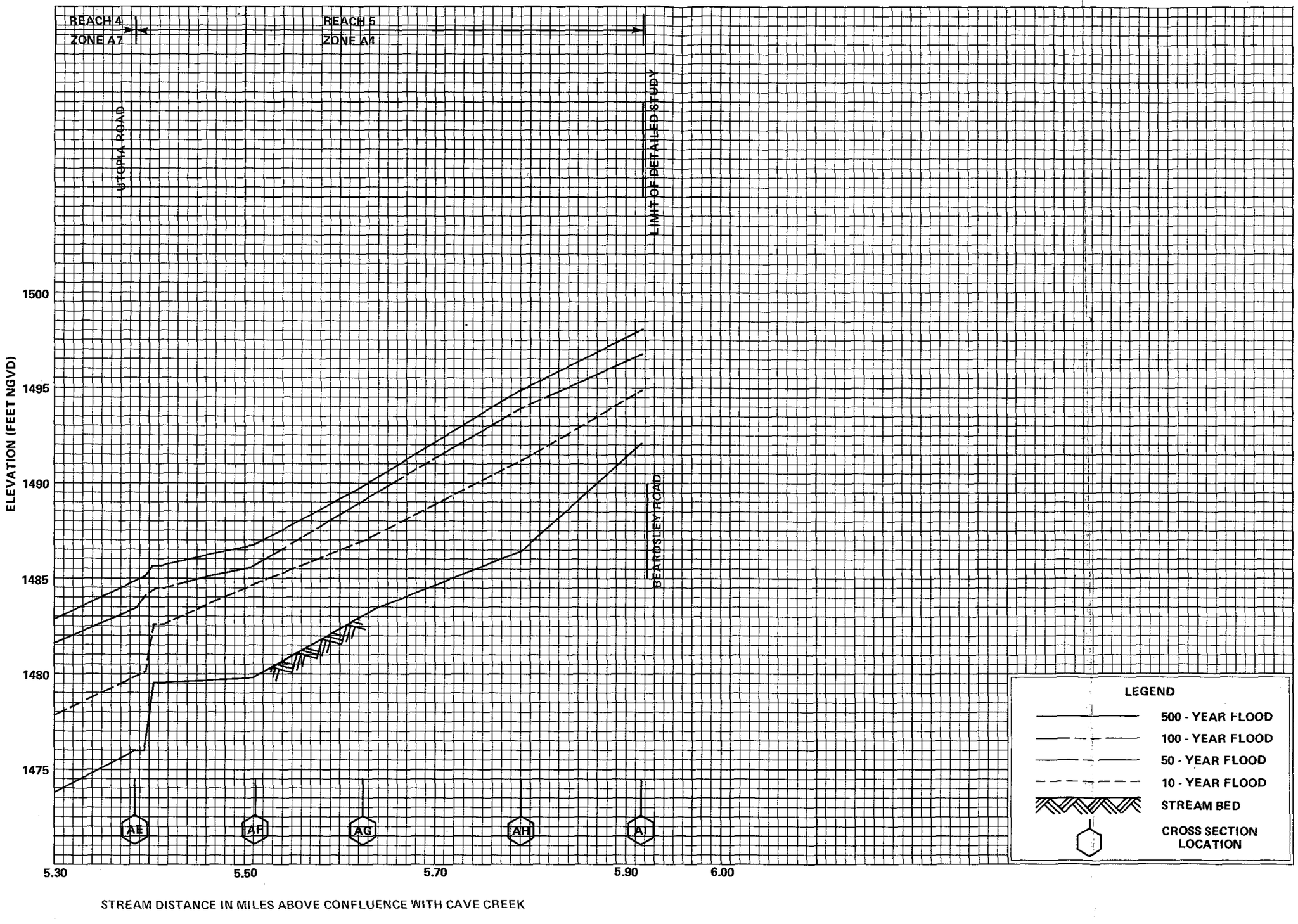


FLOOD PROFILES

EAST FORK CAVE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

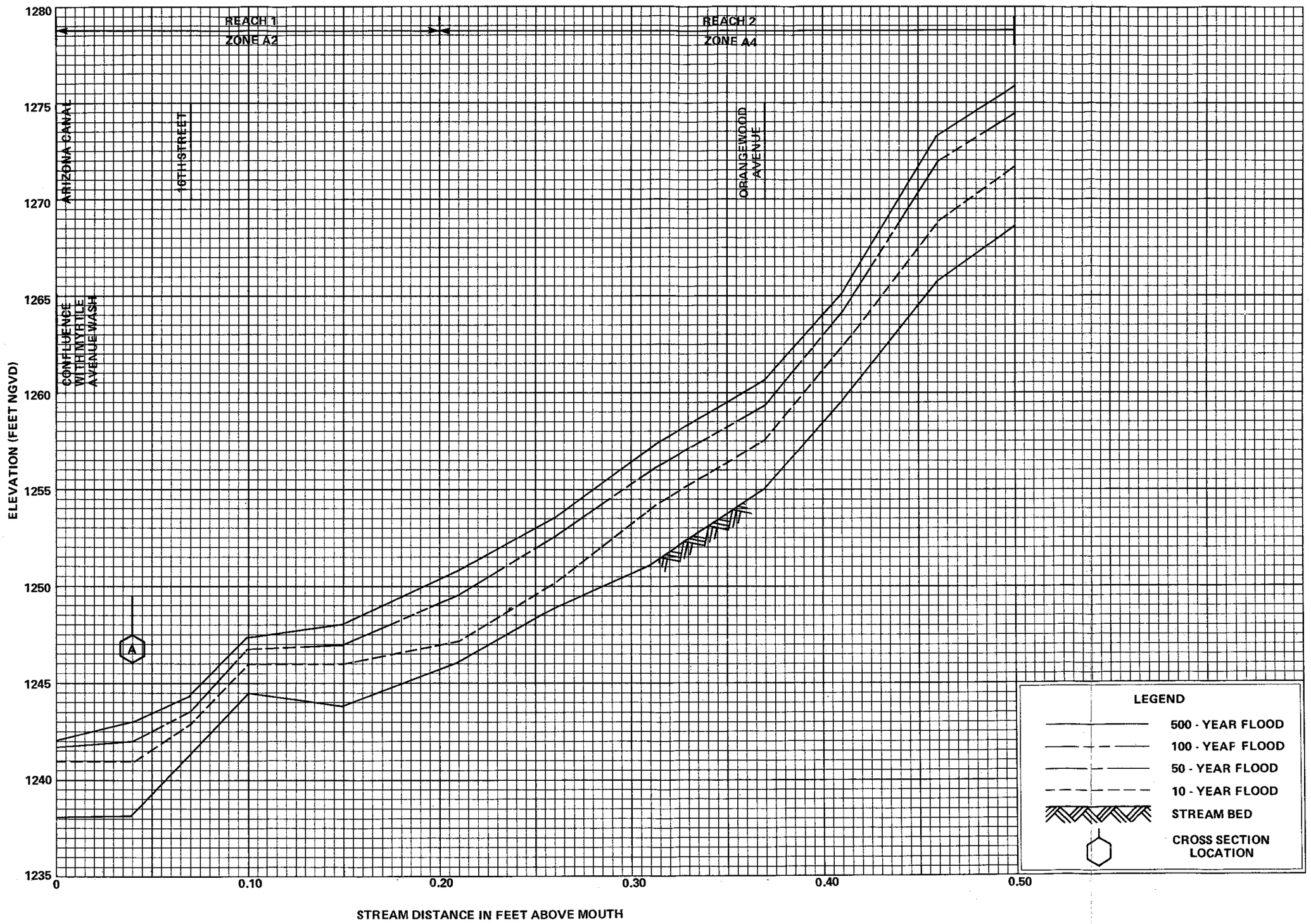


FLOOD PROFILES

EAST FORK CAVE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

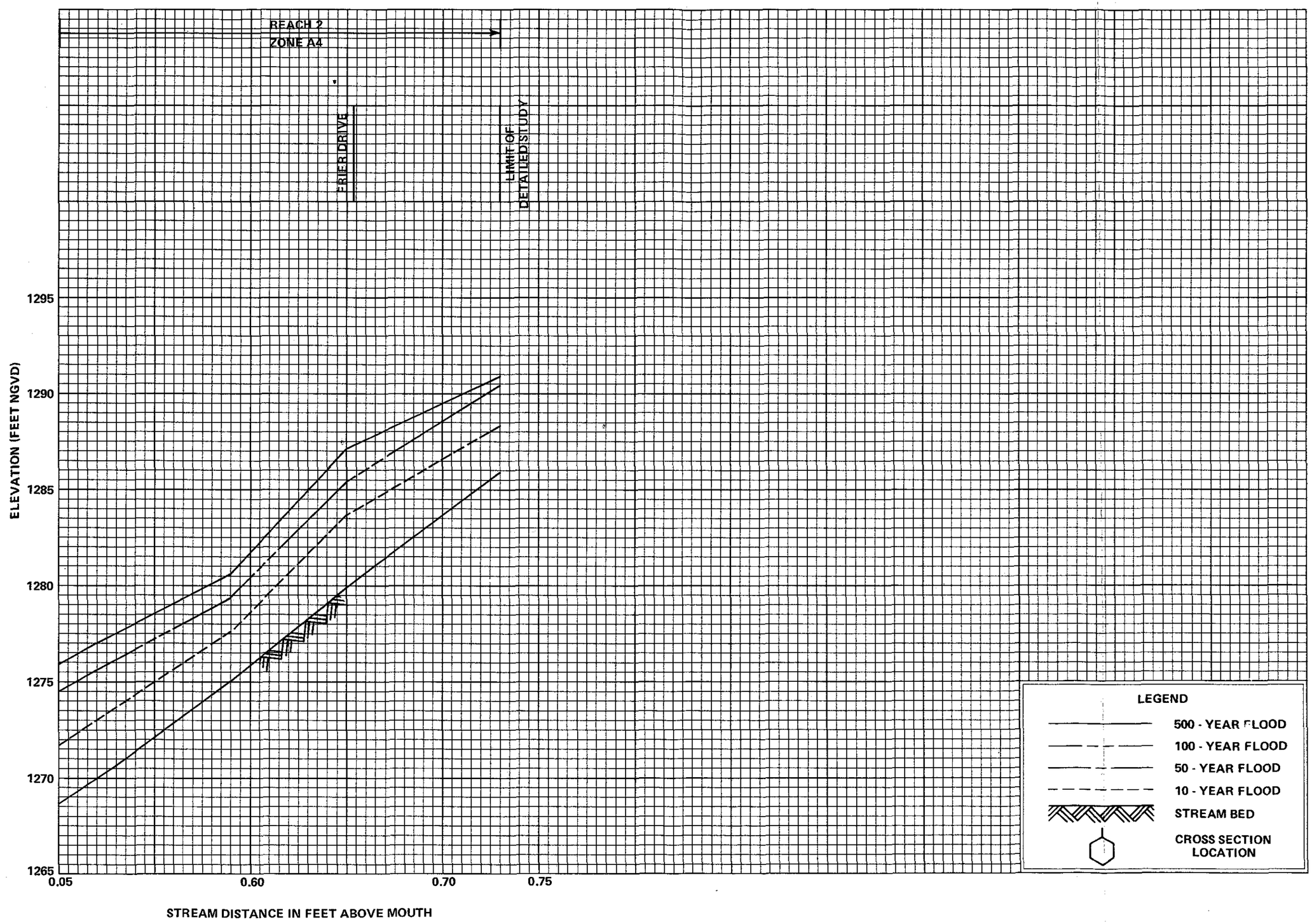


FLOOD PROFILES

DREAMY DRAW WASH EAST

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

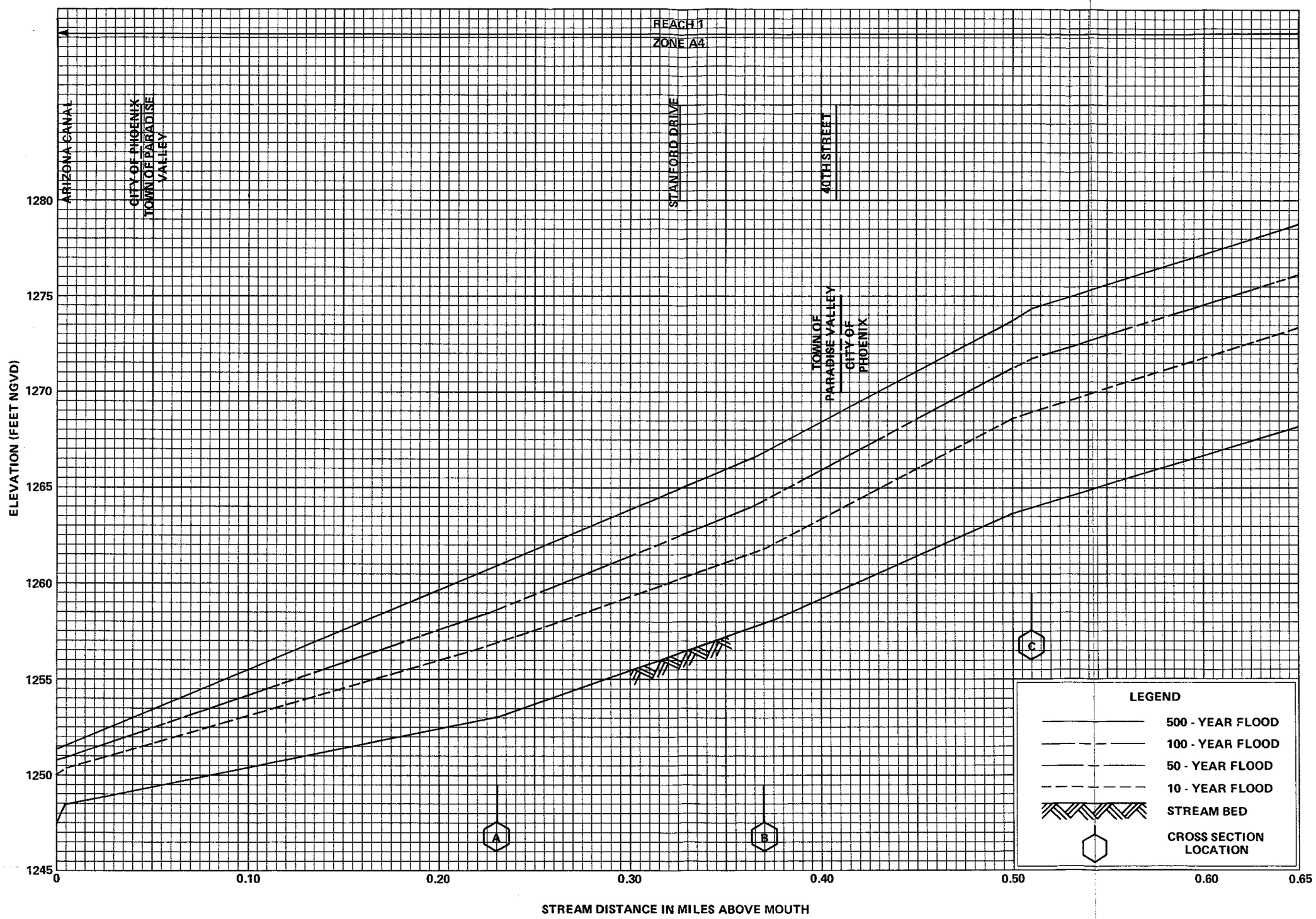


FLOOD PROFILES

DREAMY DRAW WASH EAST

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

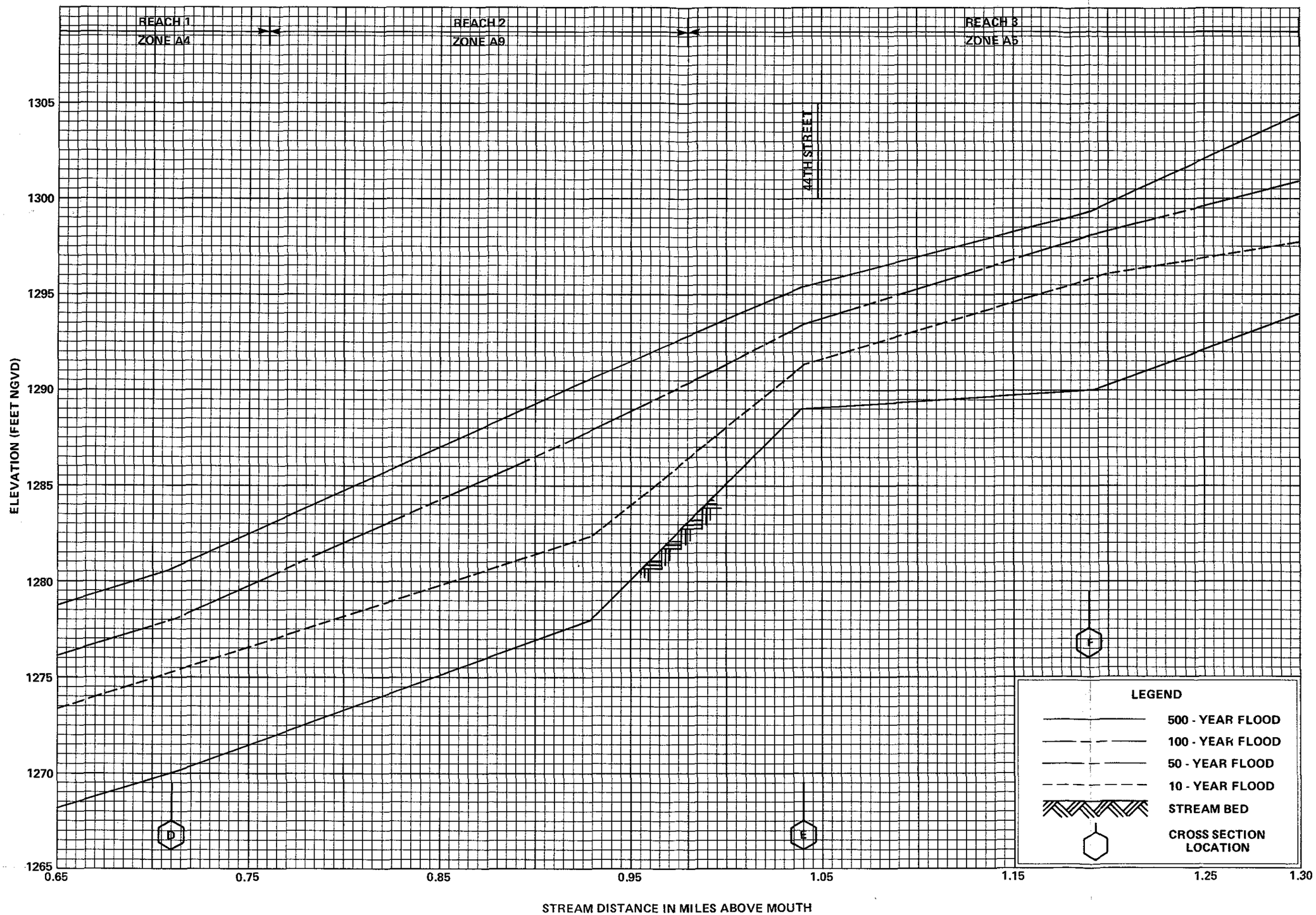


FLOOD PROFILES

ECHO CANYON WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

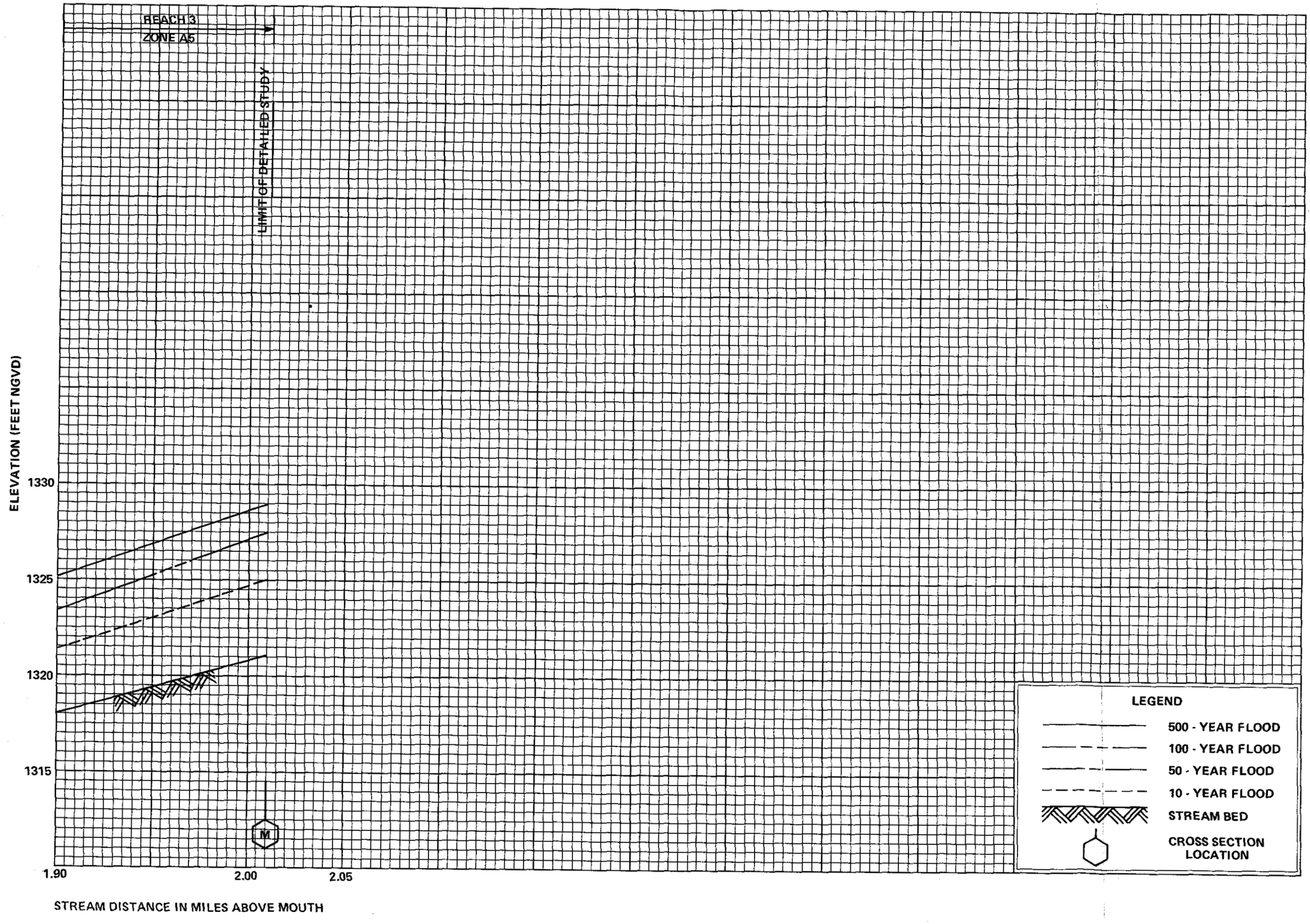


FLOOD PROFILES

ECHO CANYON WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

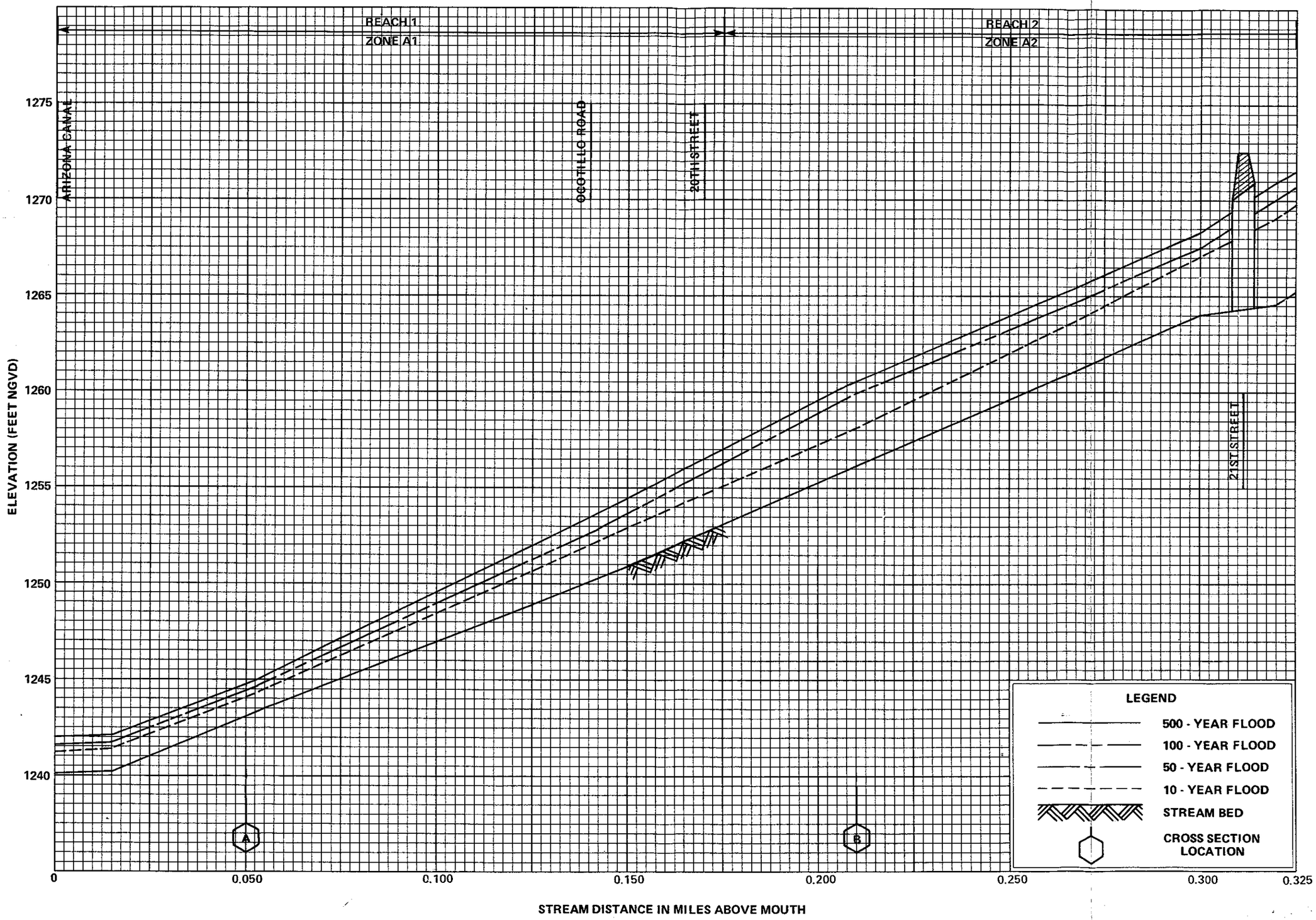


FLOOD PROFILES

ECHO CANYON WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

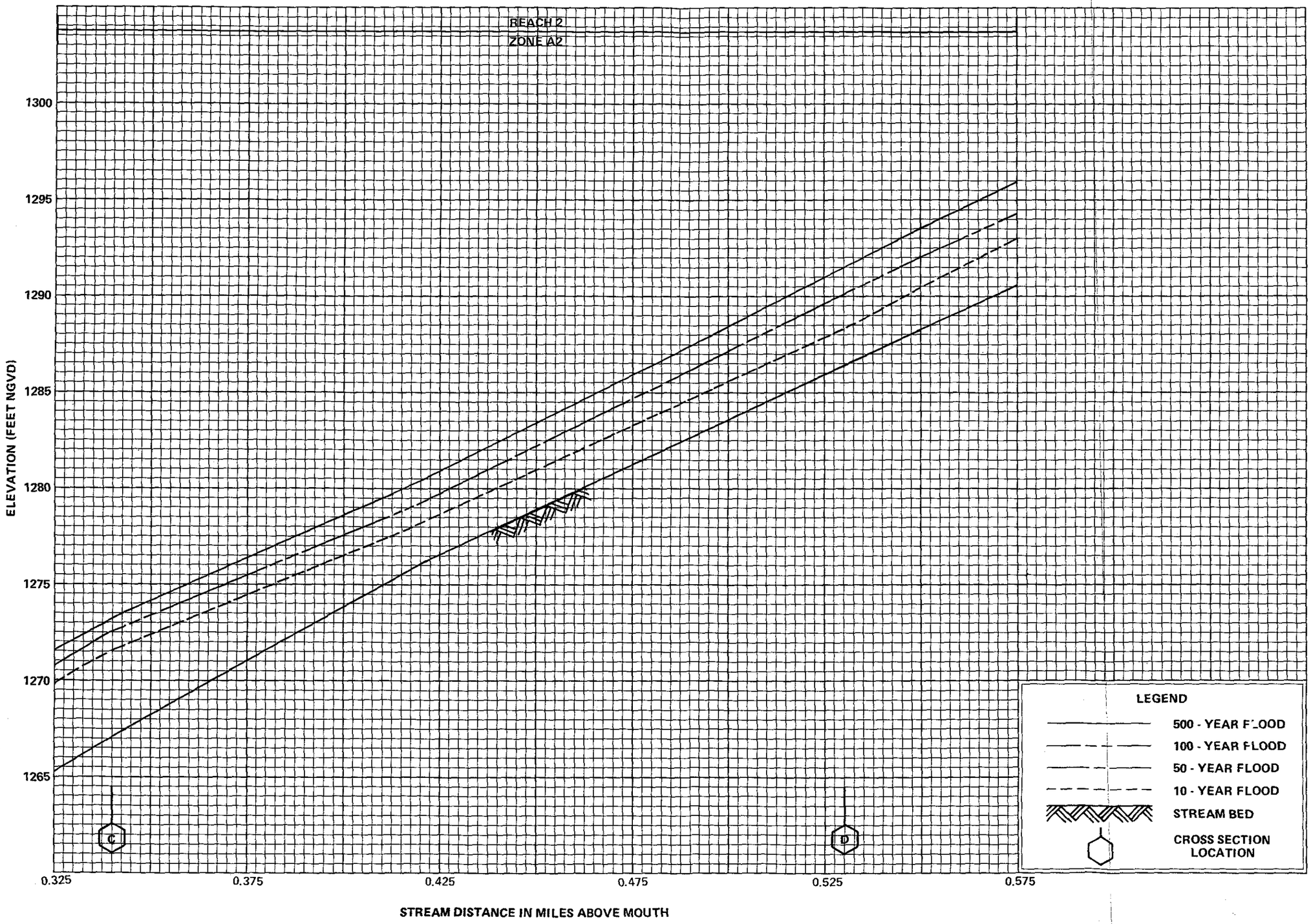


FLOOD PROFILES

FLYNN LANE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

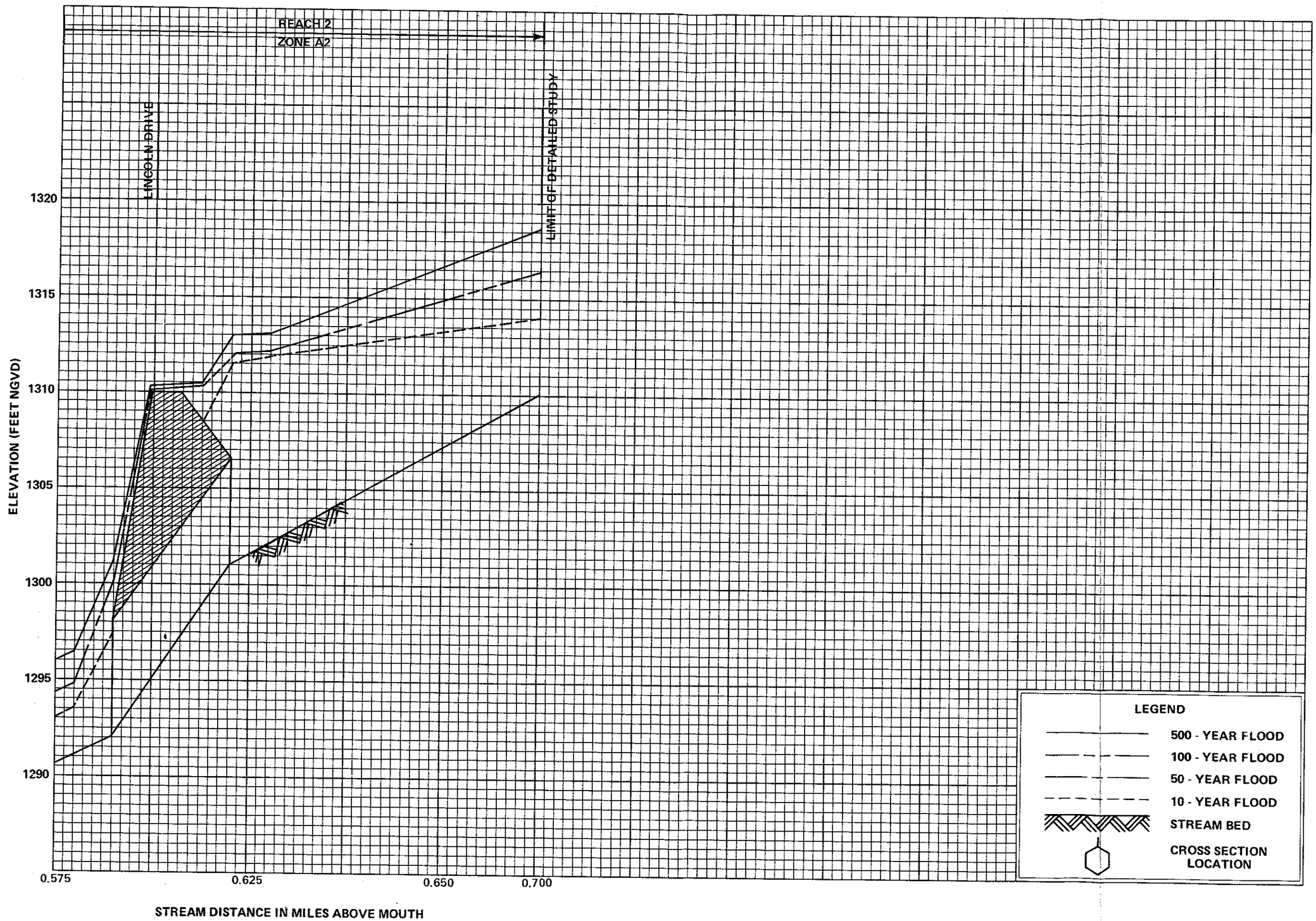


FLOOD PROFILES

FLYNN LANE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

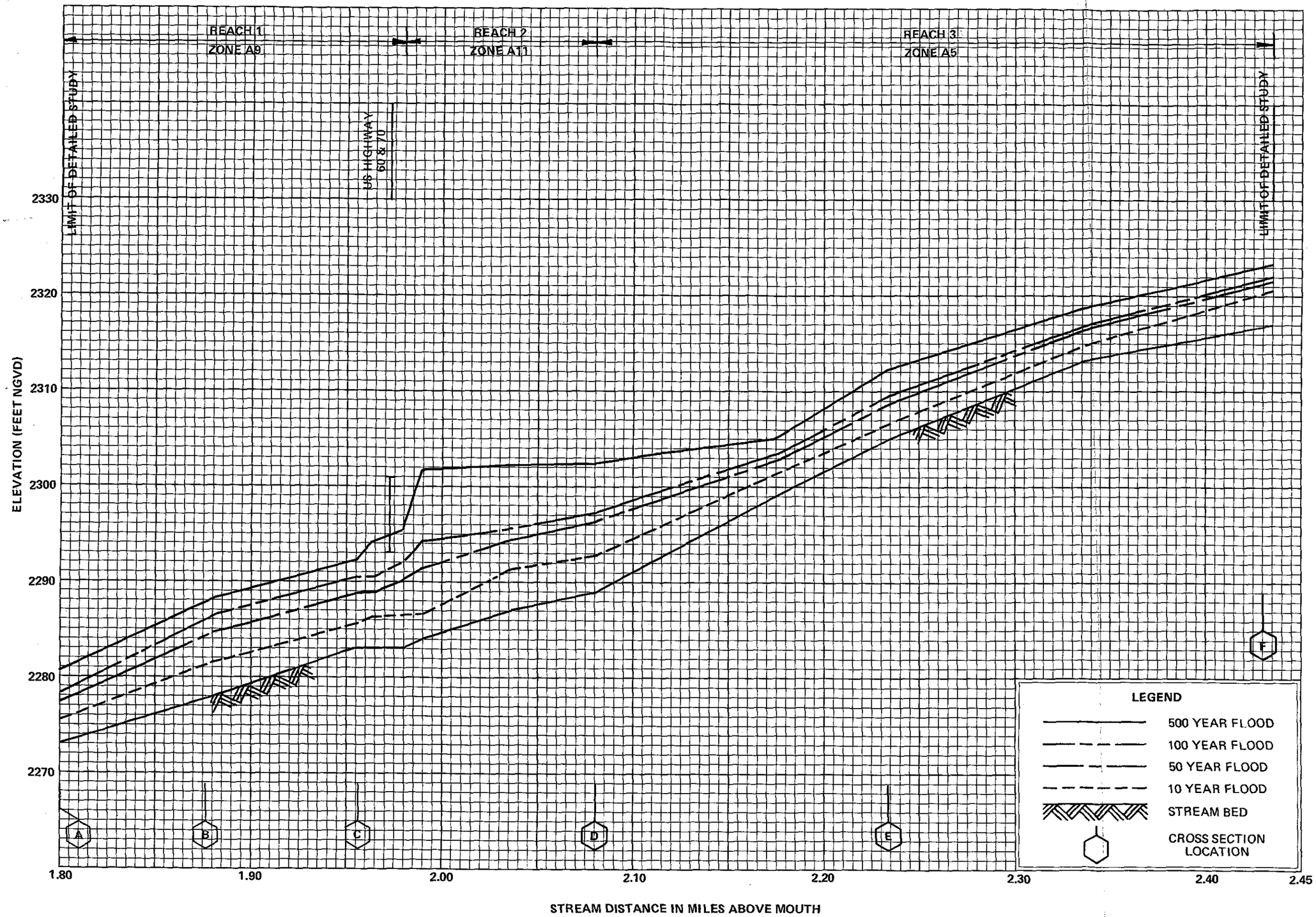


FLOOD PROFILES

FLYNN LANE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

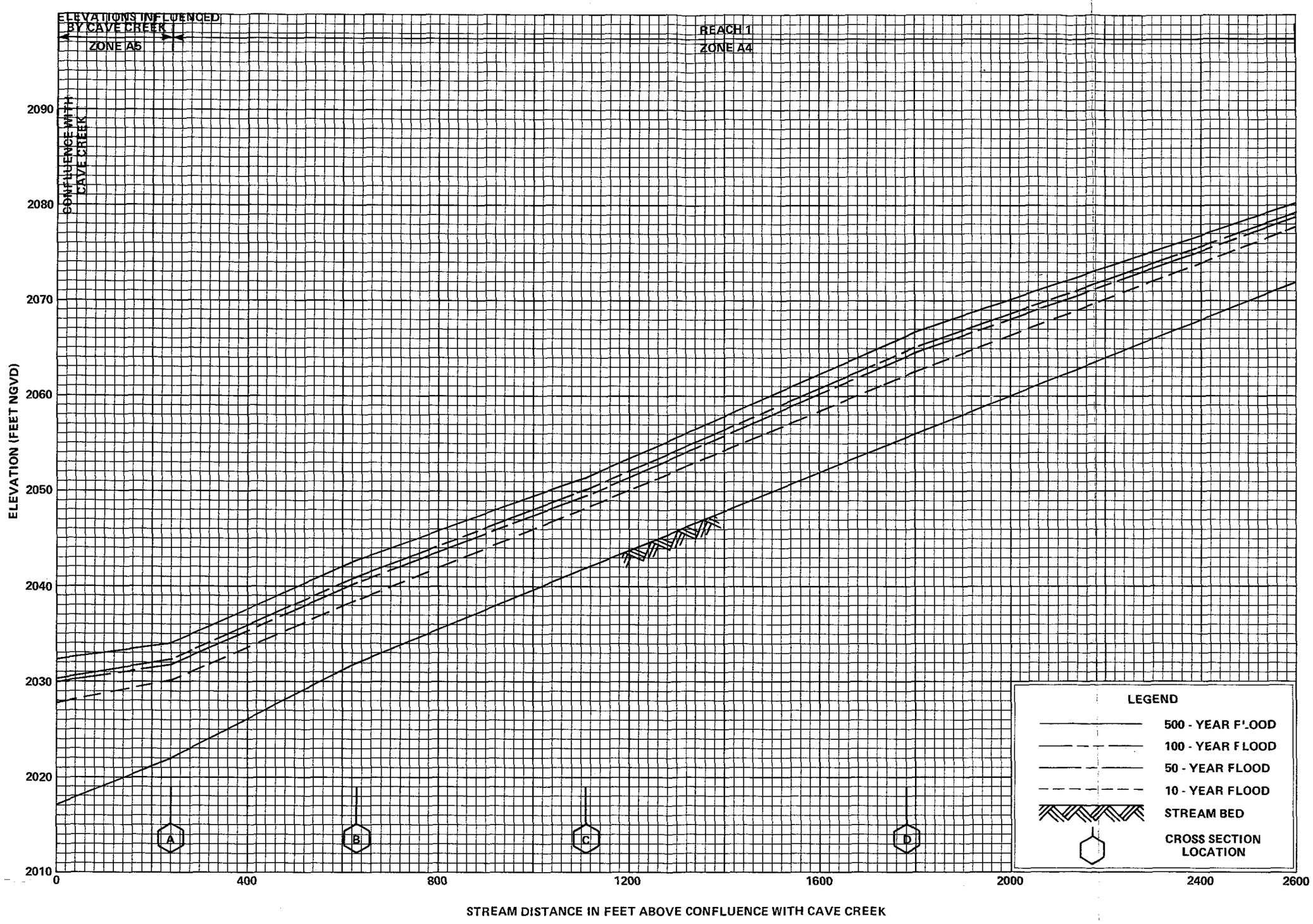


FLOOD PROFILES

FLYING "E" WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

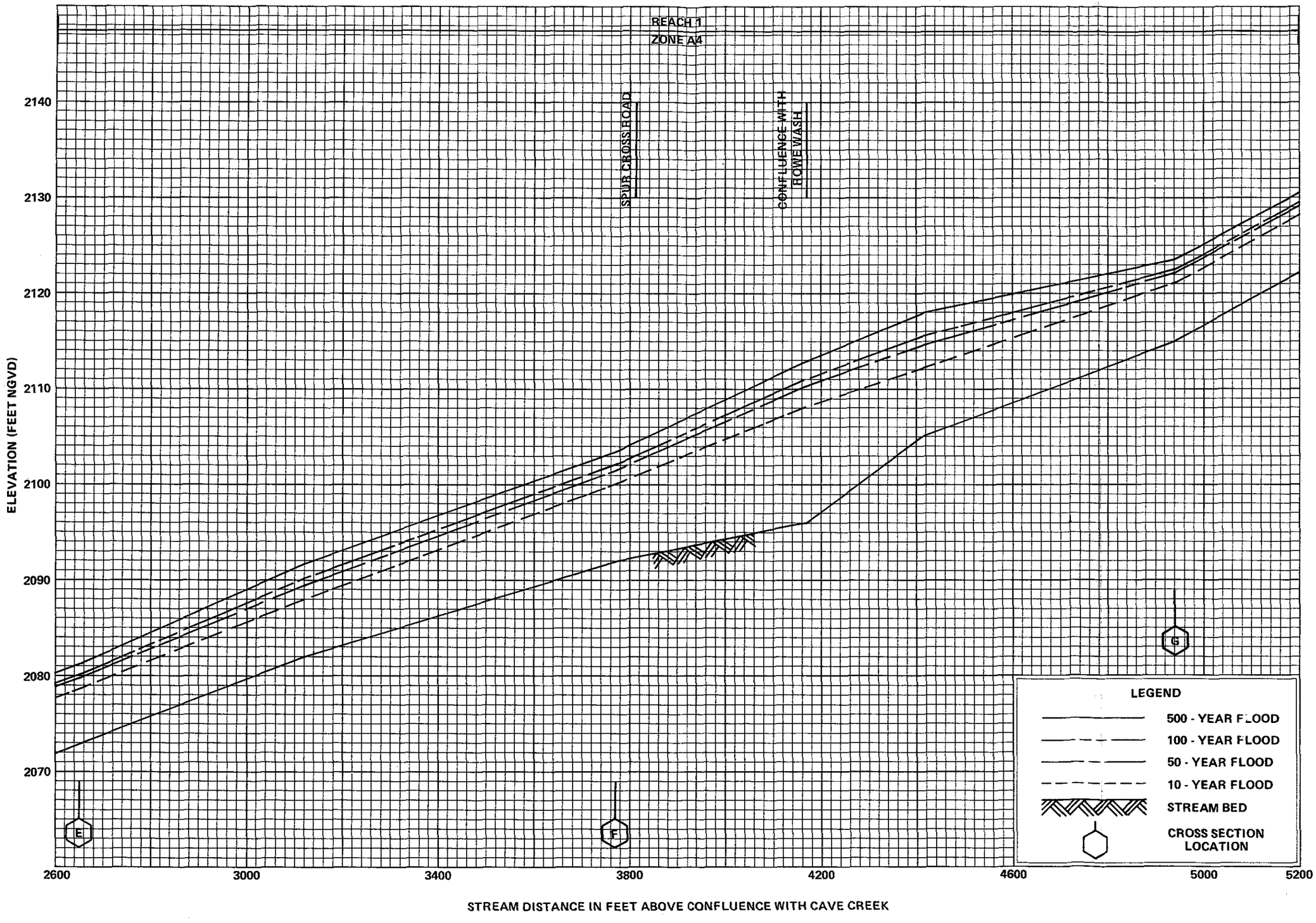


FLOOD PROFILES

GALLOWAY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

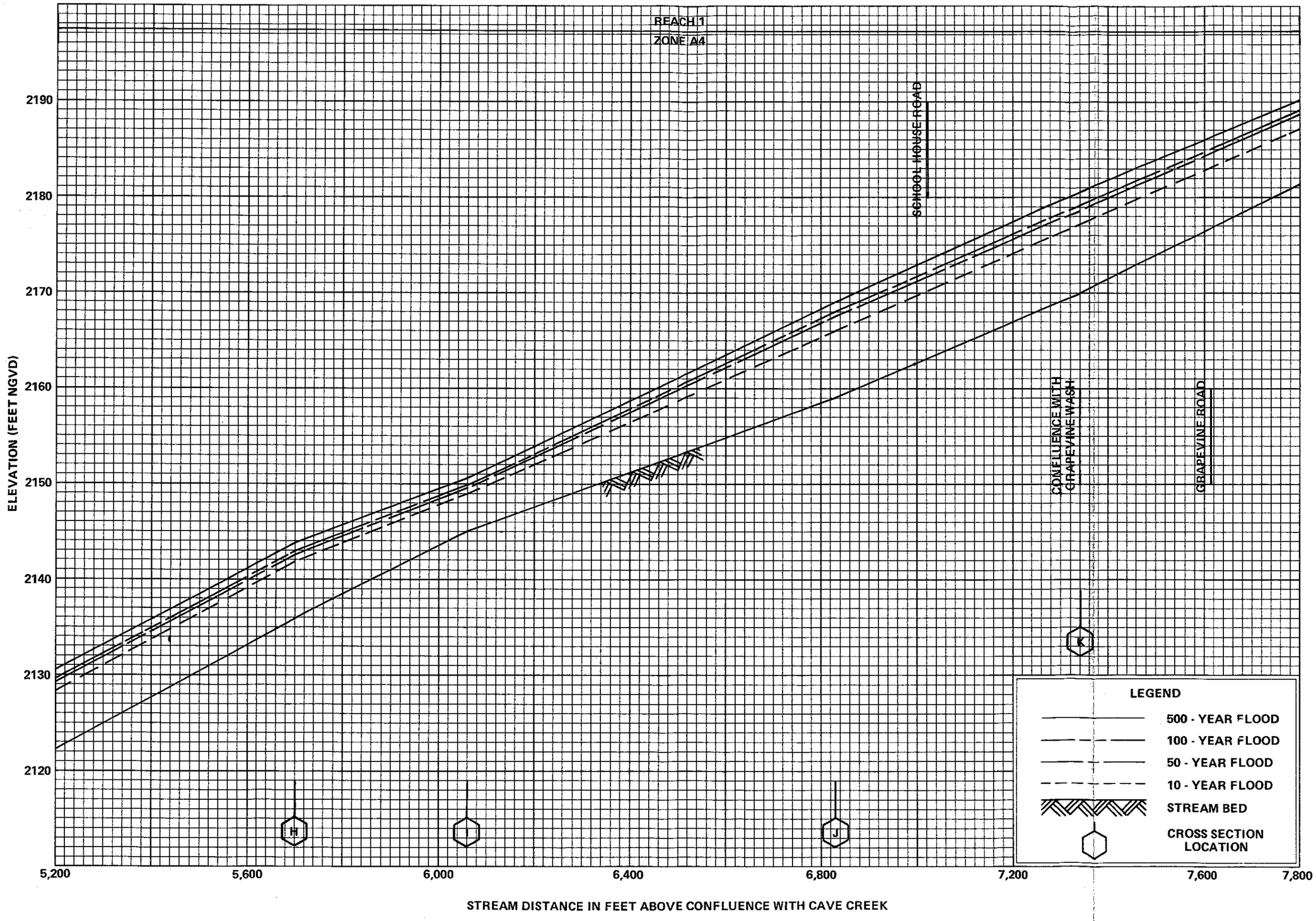


FLOOD PROFILES

GALLOWAY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

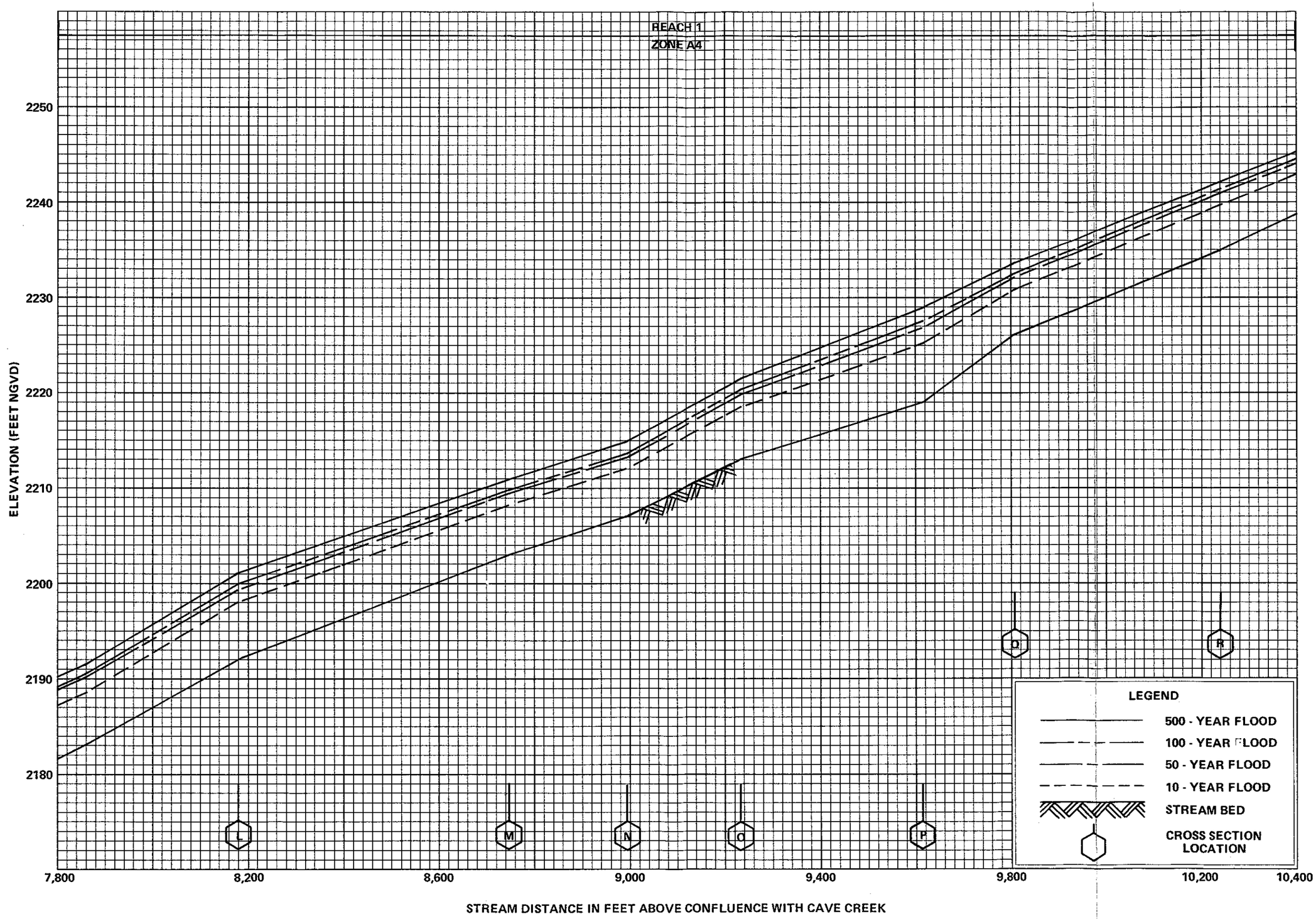


FLOOD PROFILES

GALLOWAY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

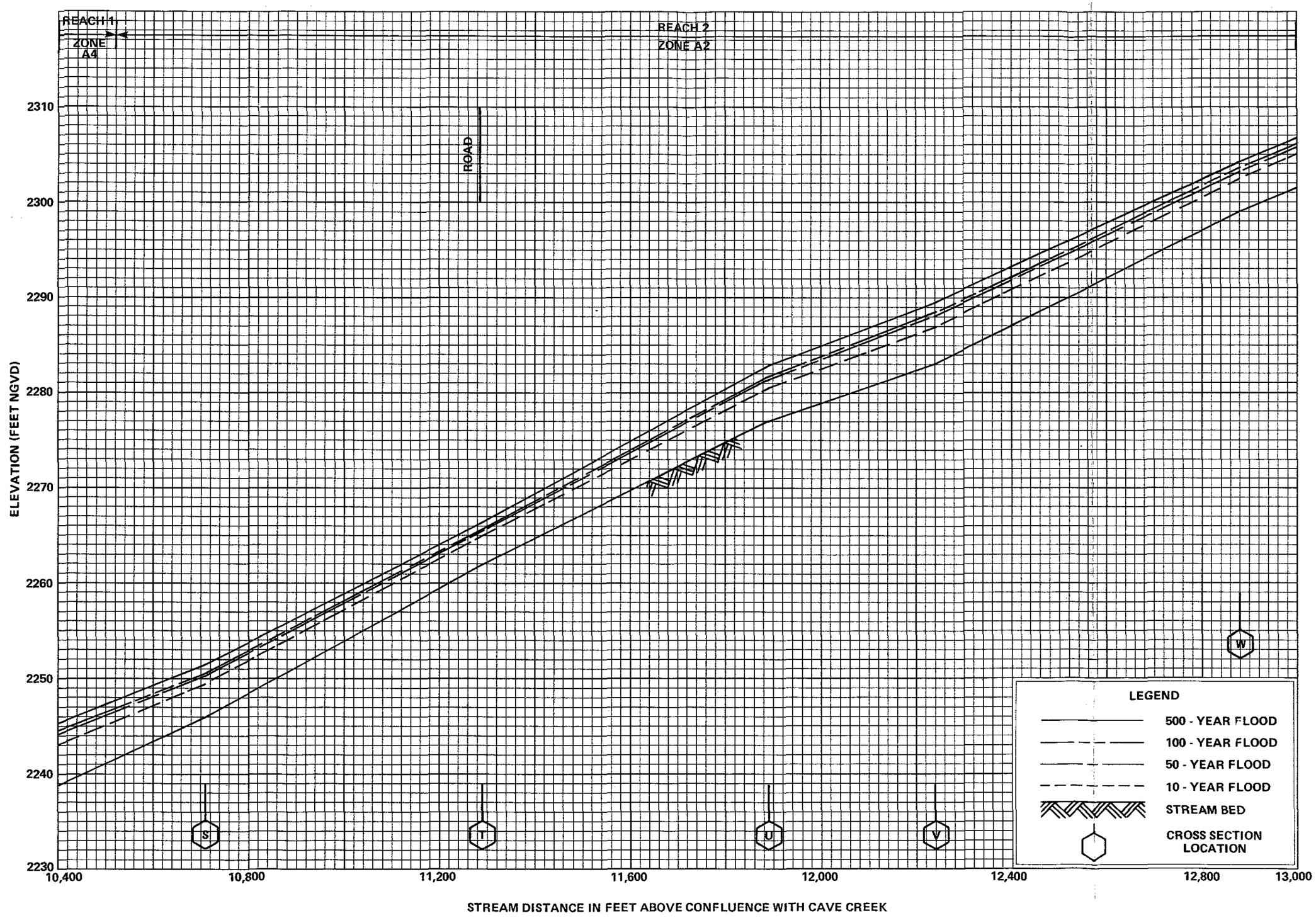


FLOOD PROFILES

GALLOWAY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

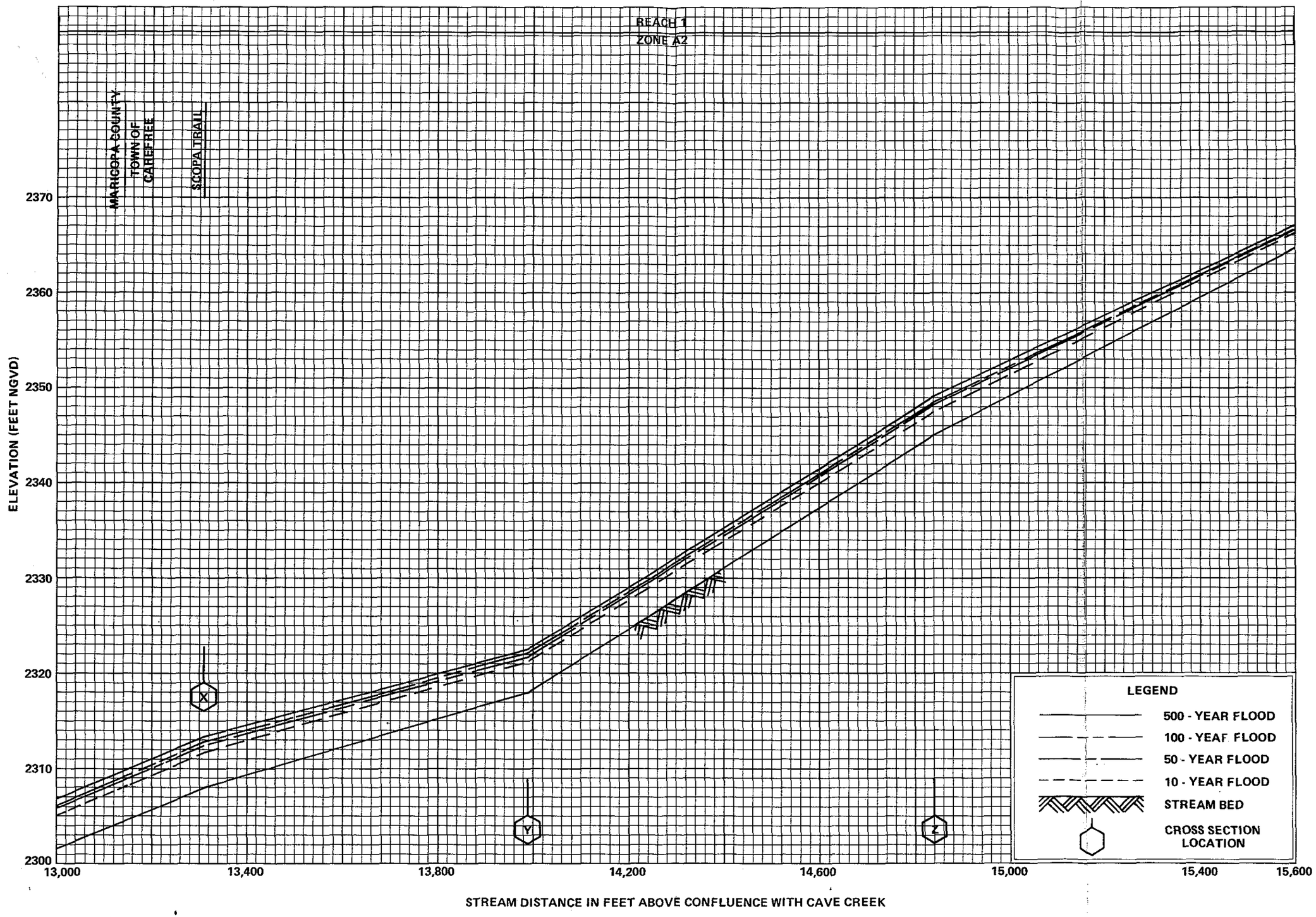


FLOOD PROFILES

GALLOWAY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

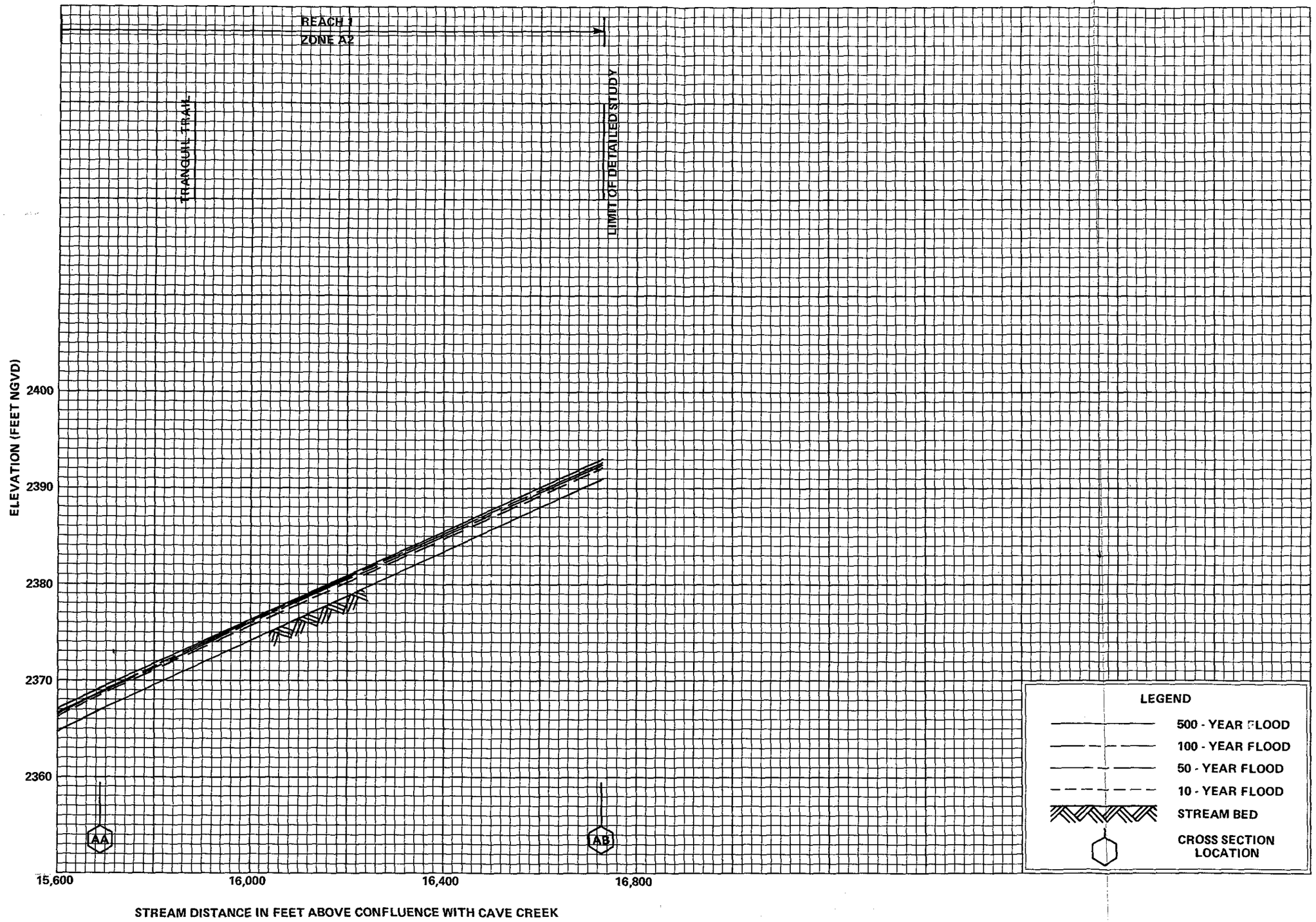


FLOOD PROFILES

GALLOWAY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

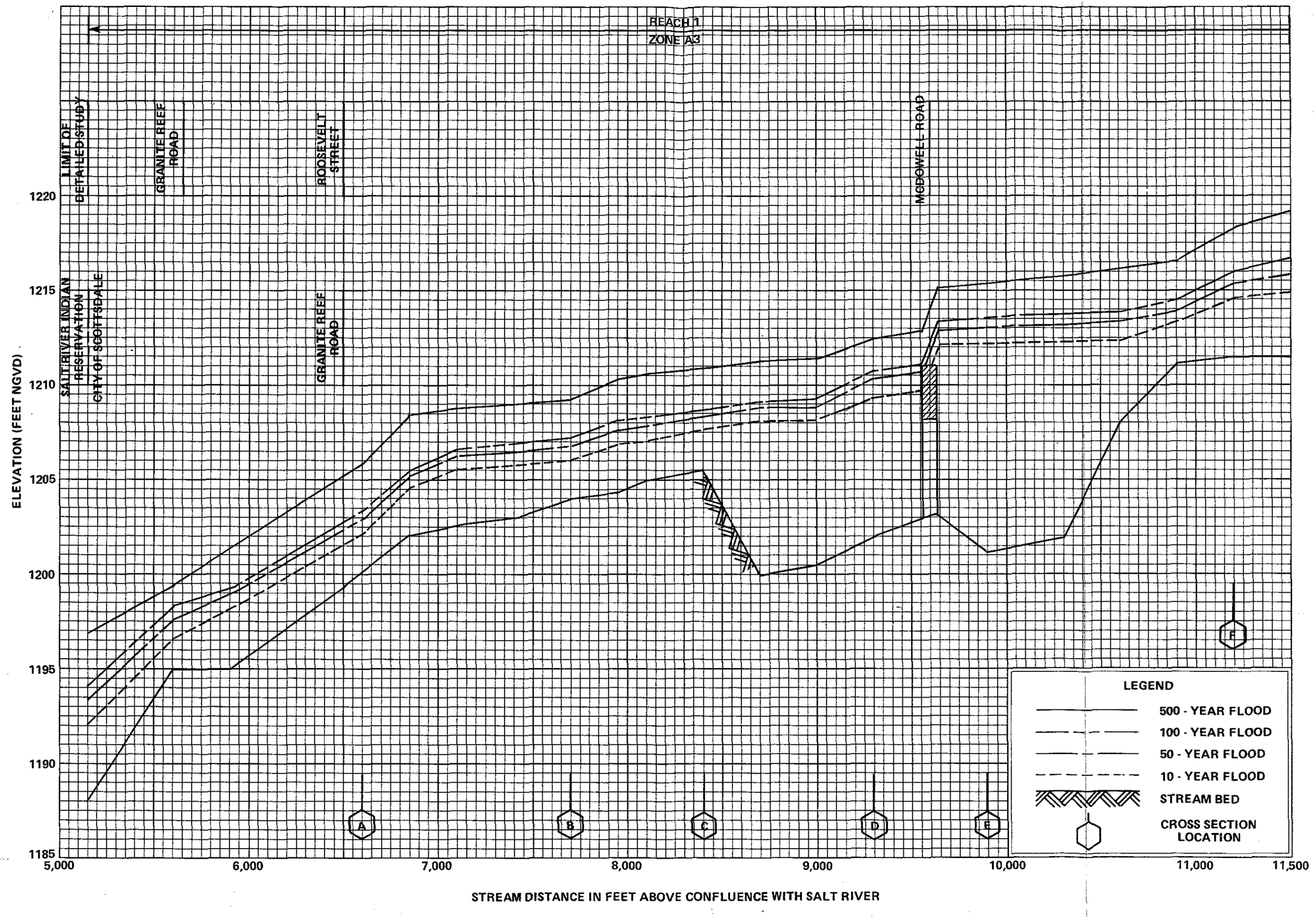


FLOOD PROFILES

GALLOWAY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

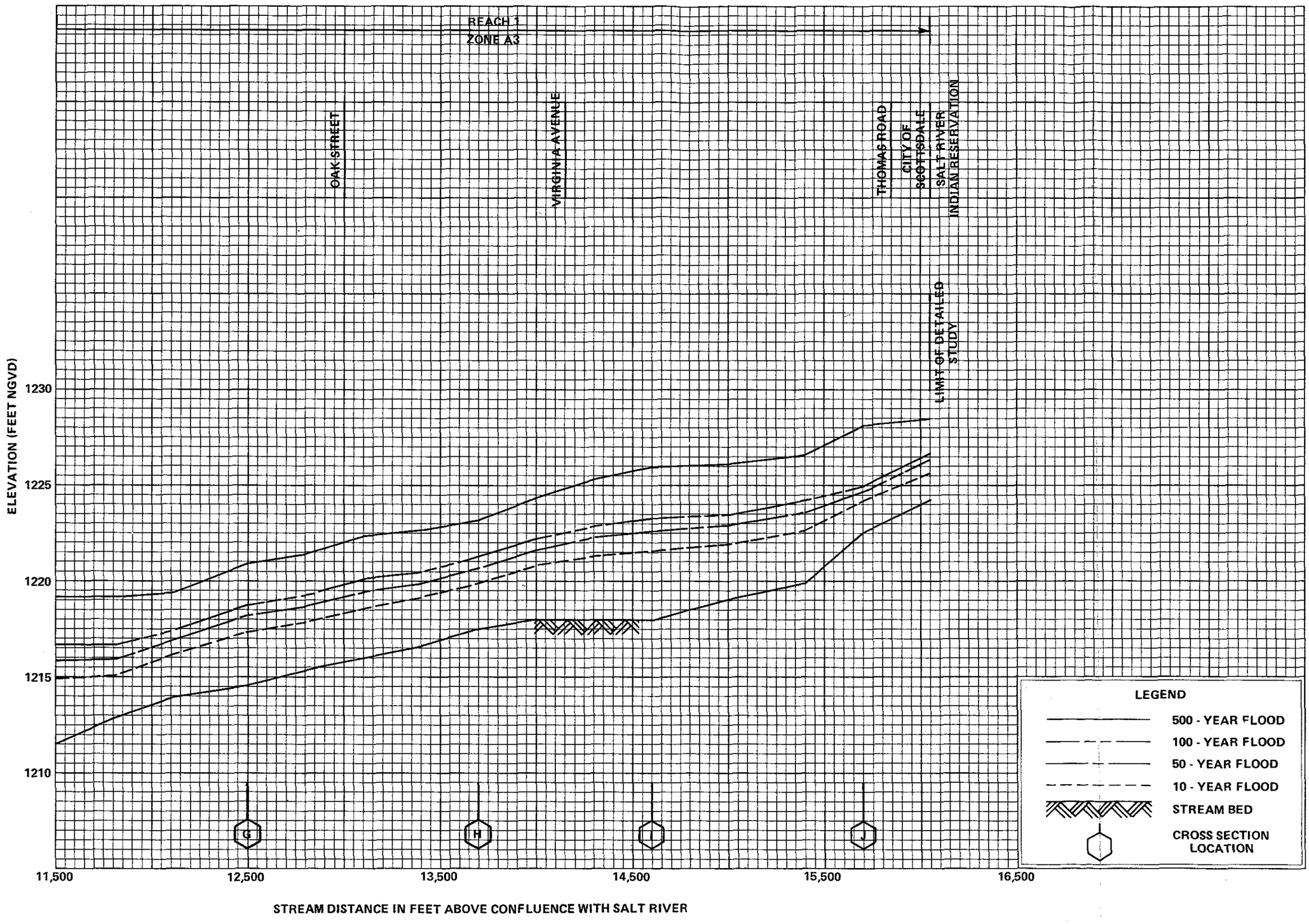


FLOOD PROFILES

GRANITE REEF WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

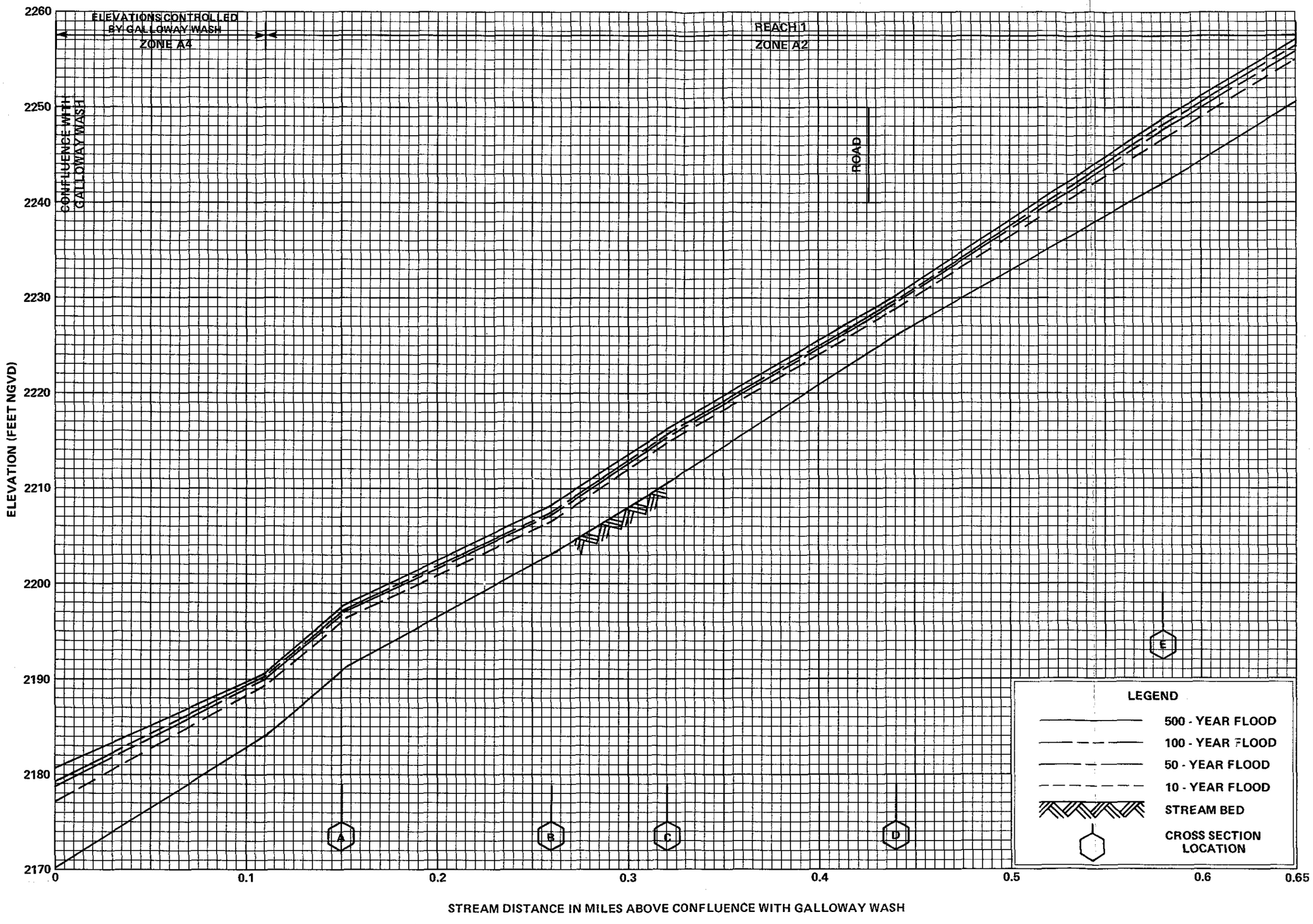


FLOOD PROFILES

GRANITE REEF WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

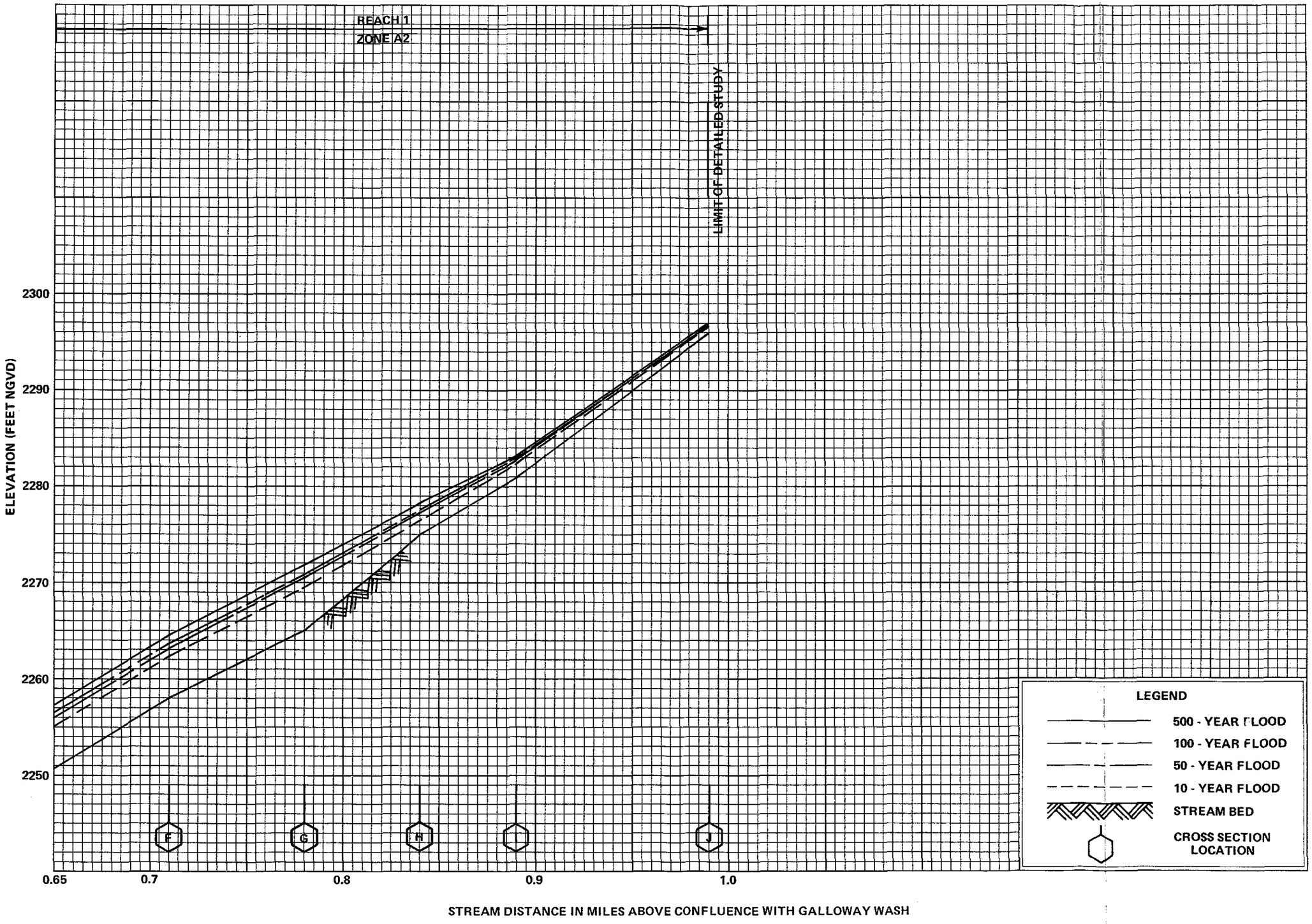


FLOOD PROFILES

GRAPEVINE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

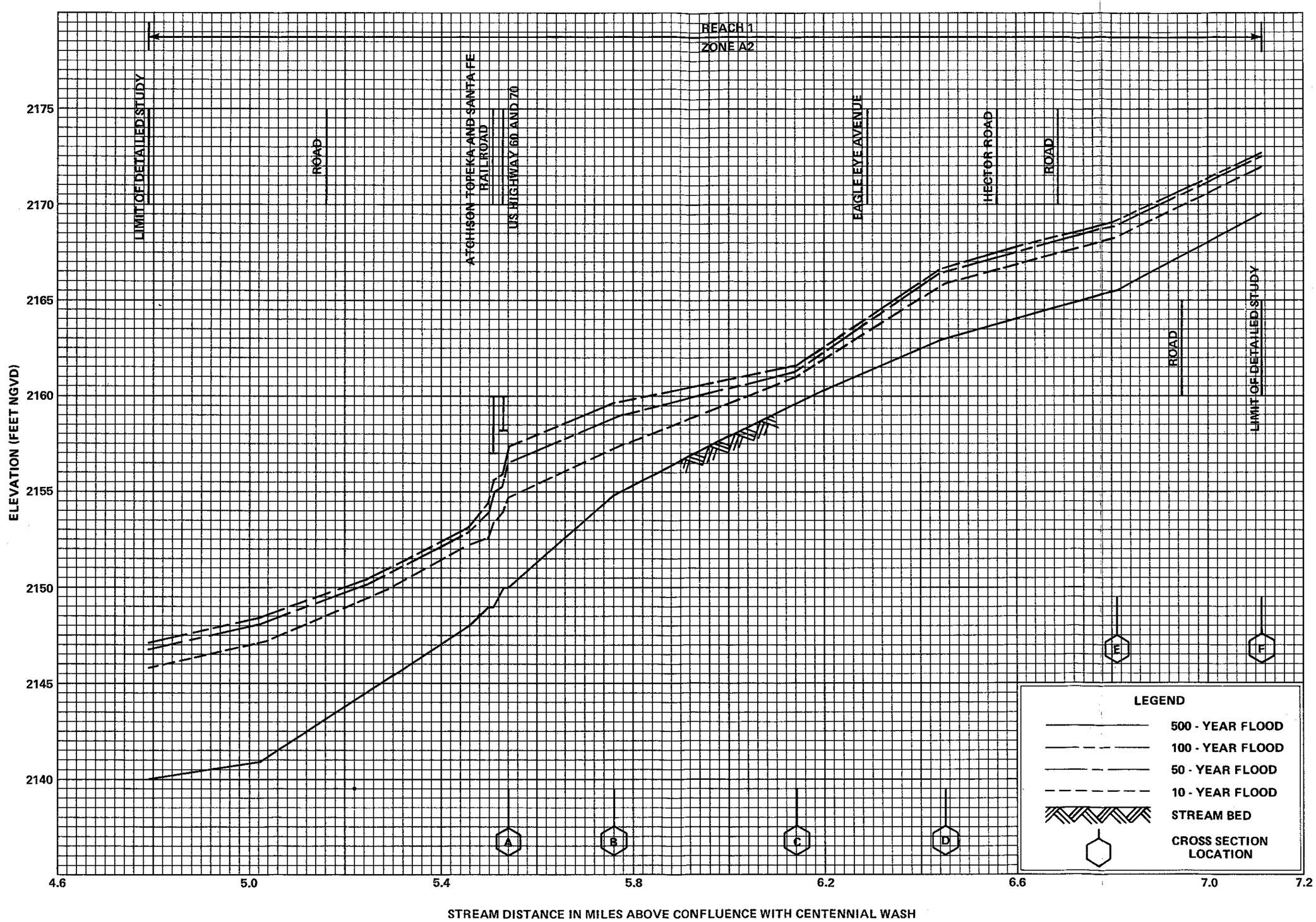


FLOOD PROFILES

GRAPEVINE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

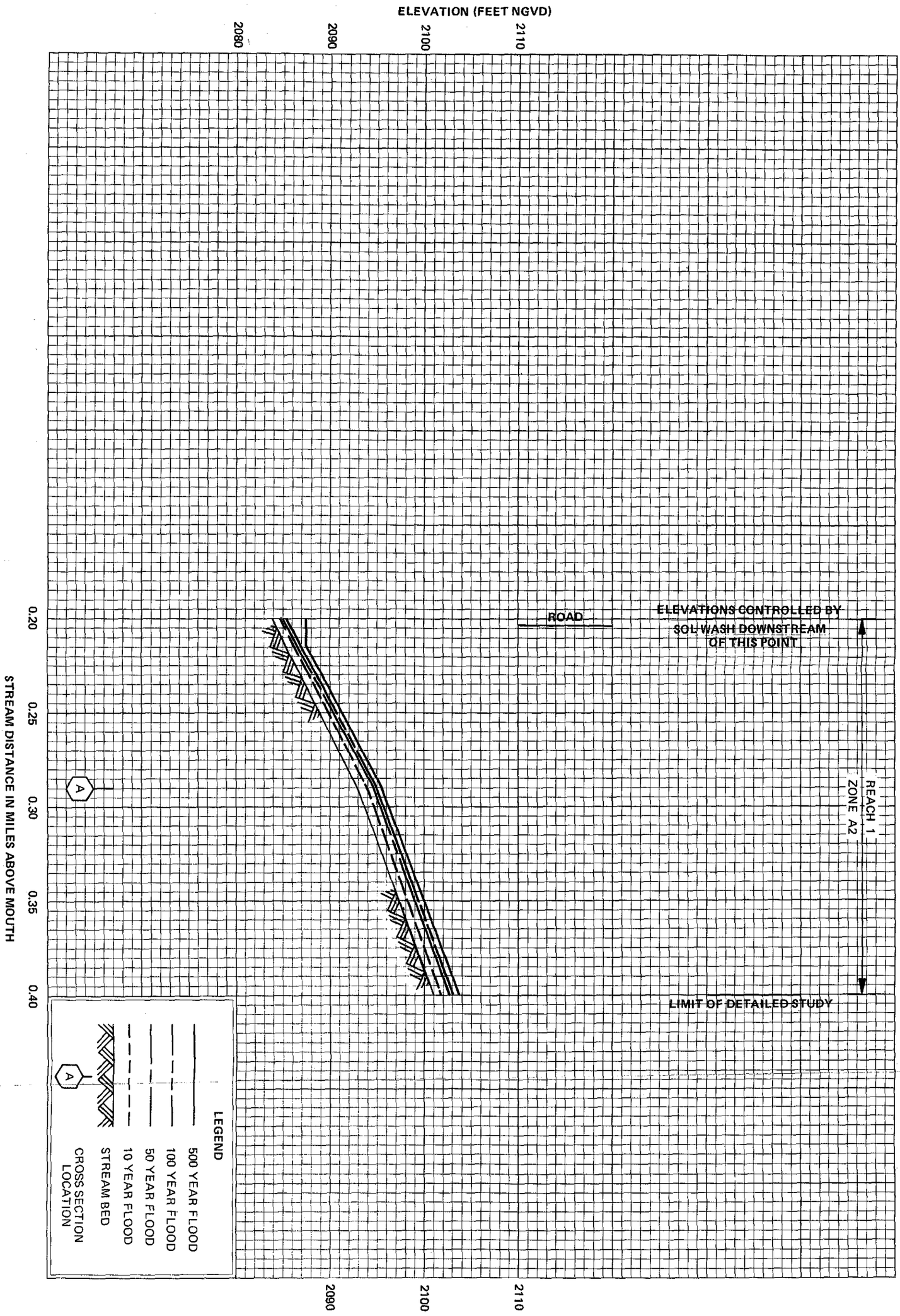


FLOOD PROFILES

GRASS WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

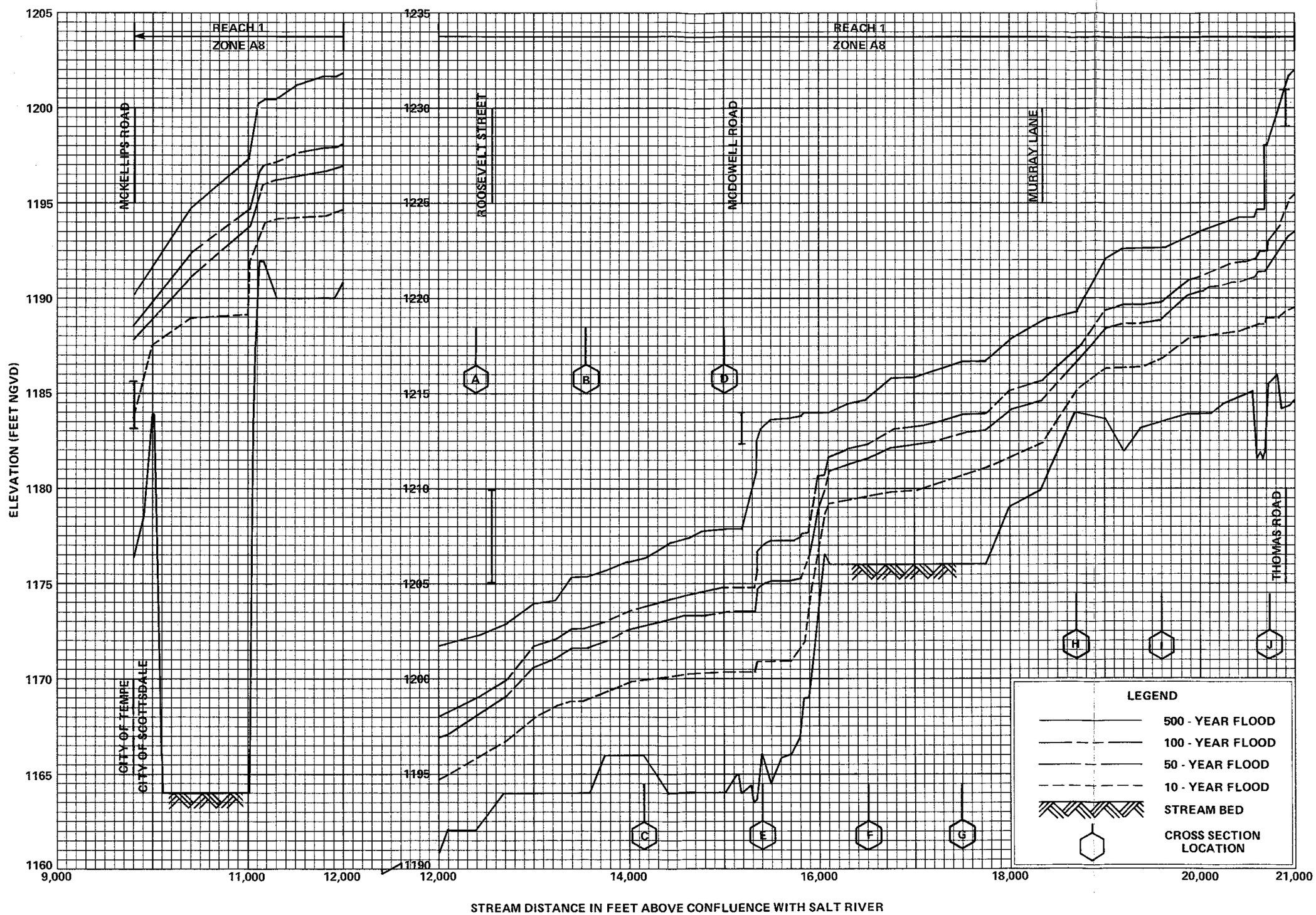


FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOOD PROFILES

HOSPITAL WASH

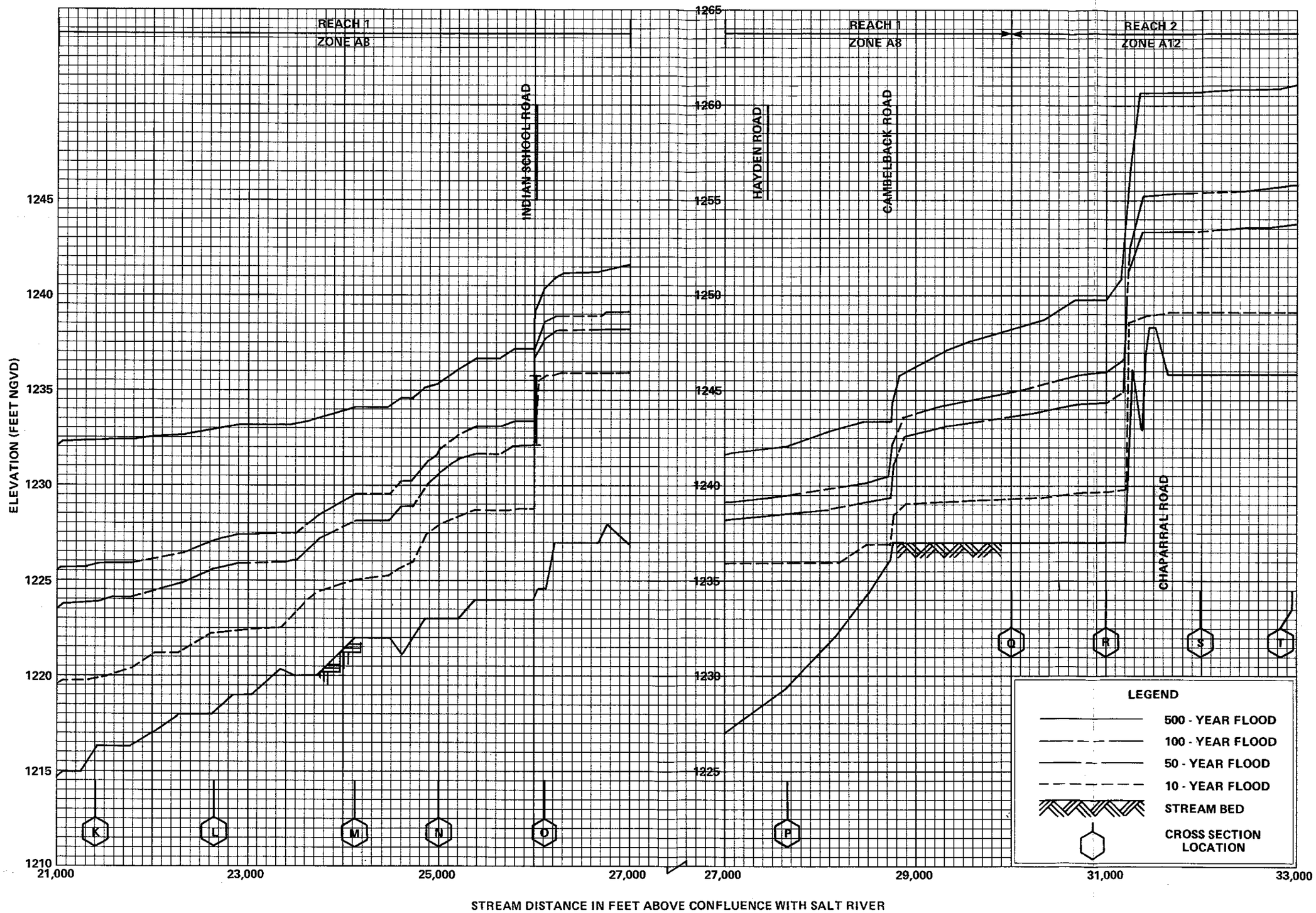


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

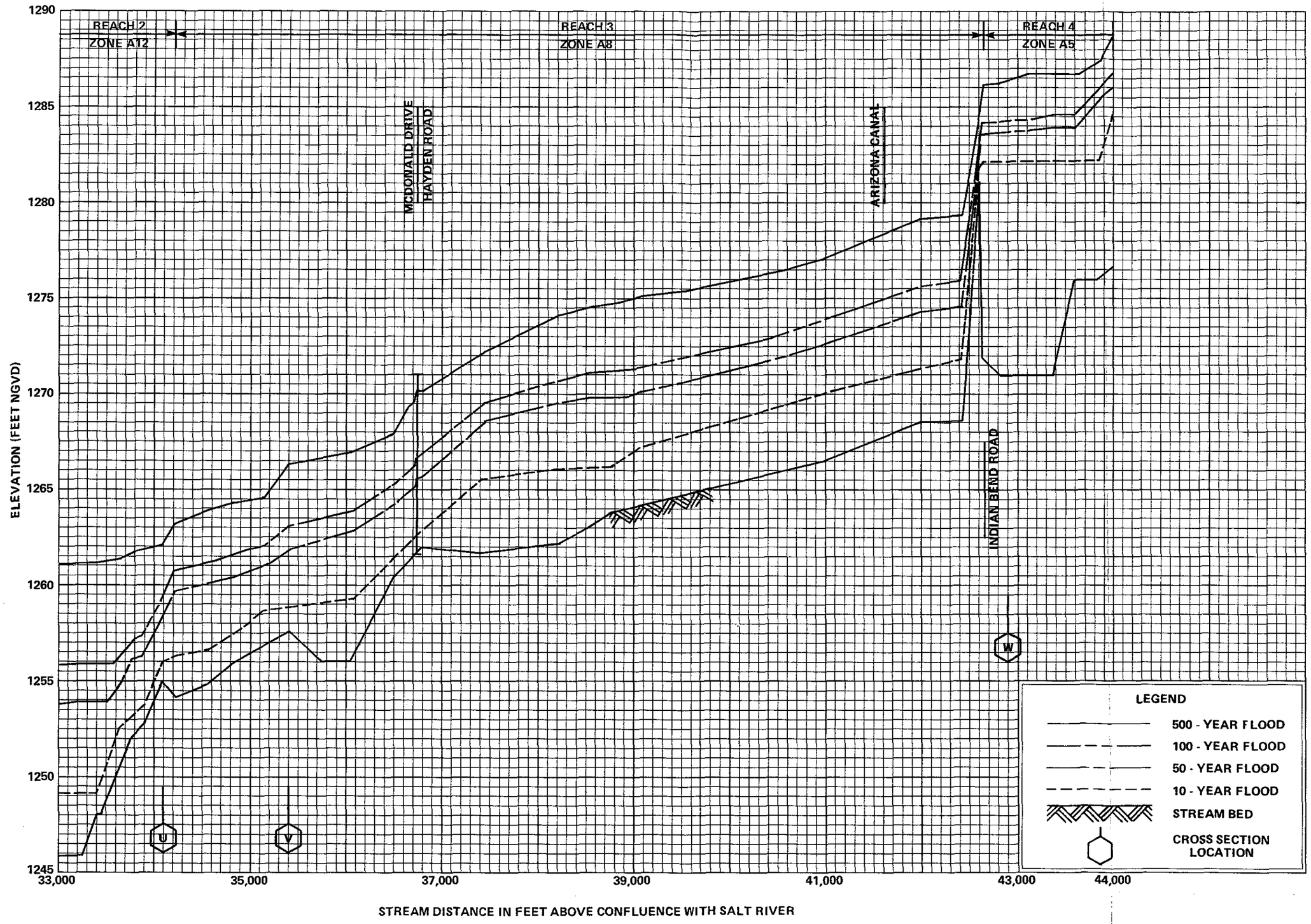


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

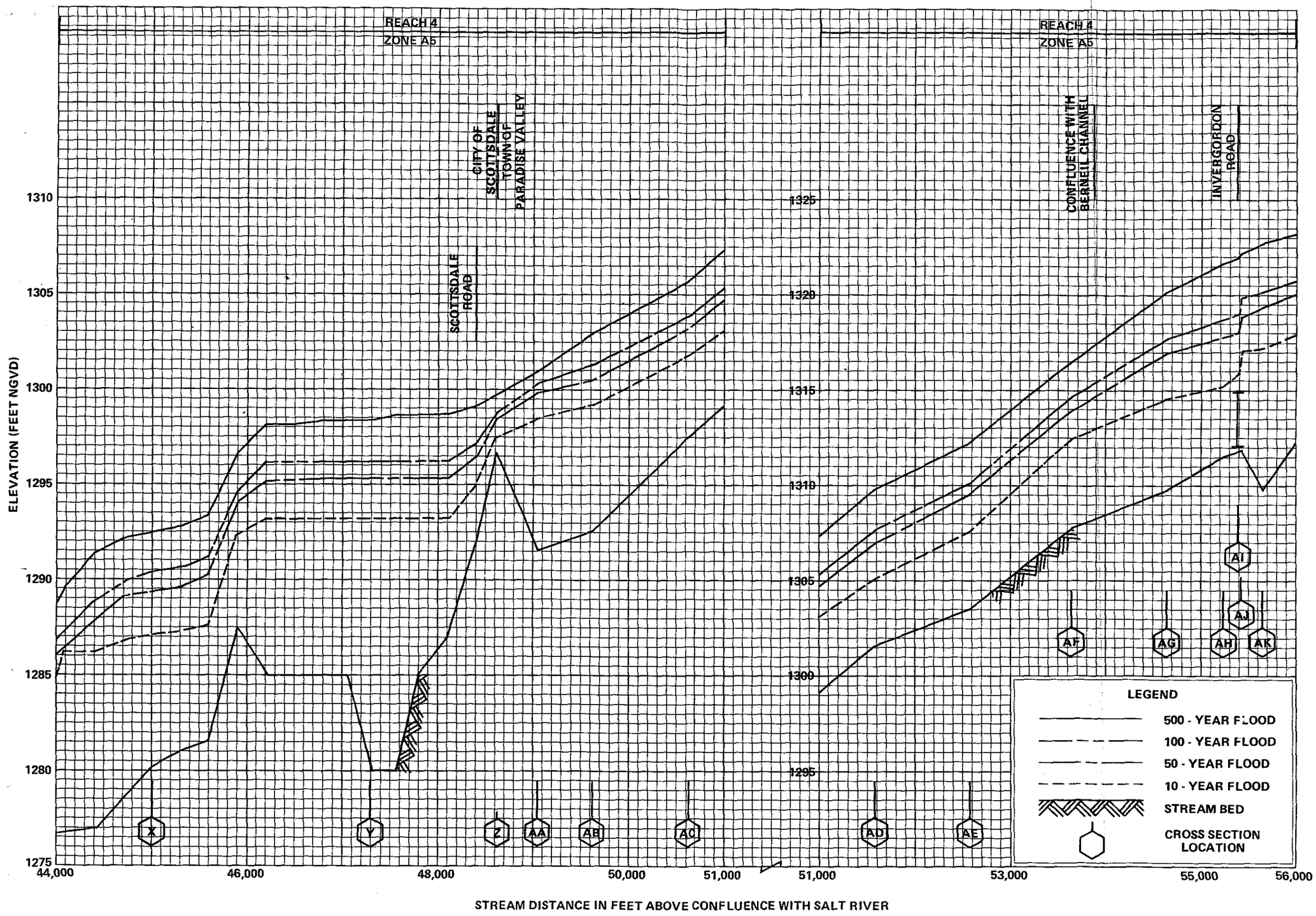


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

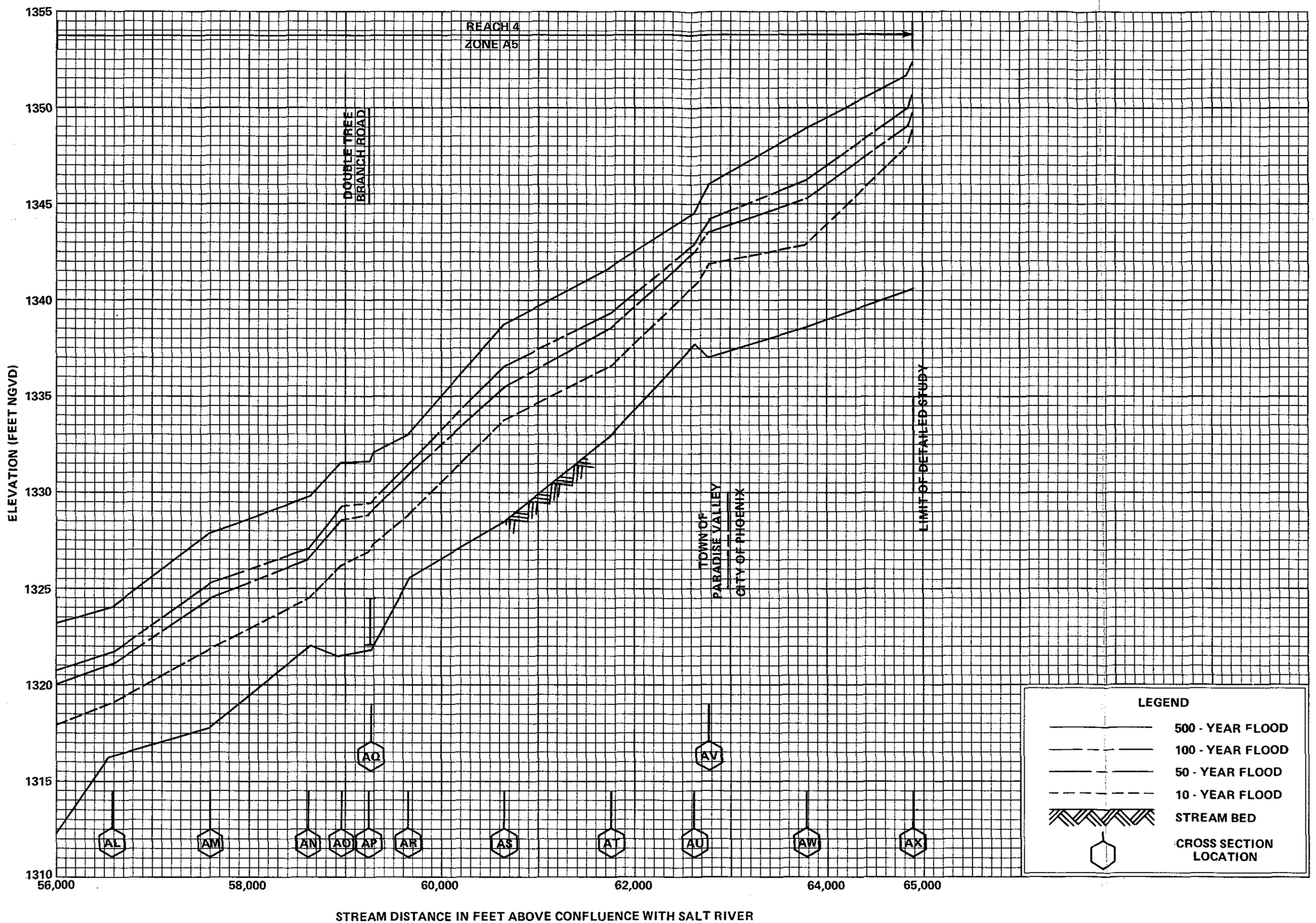


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

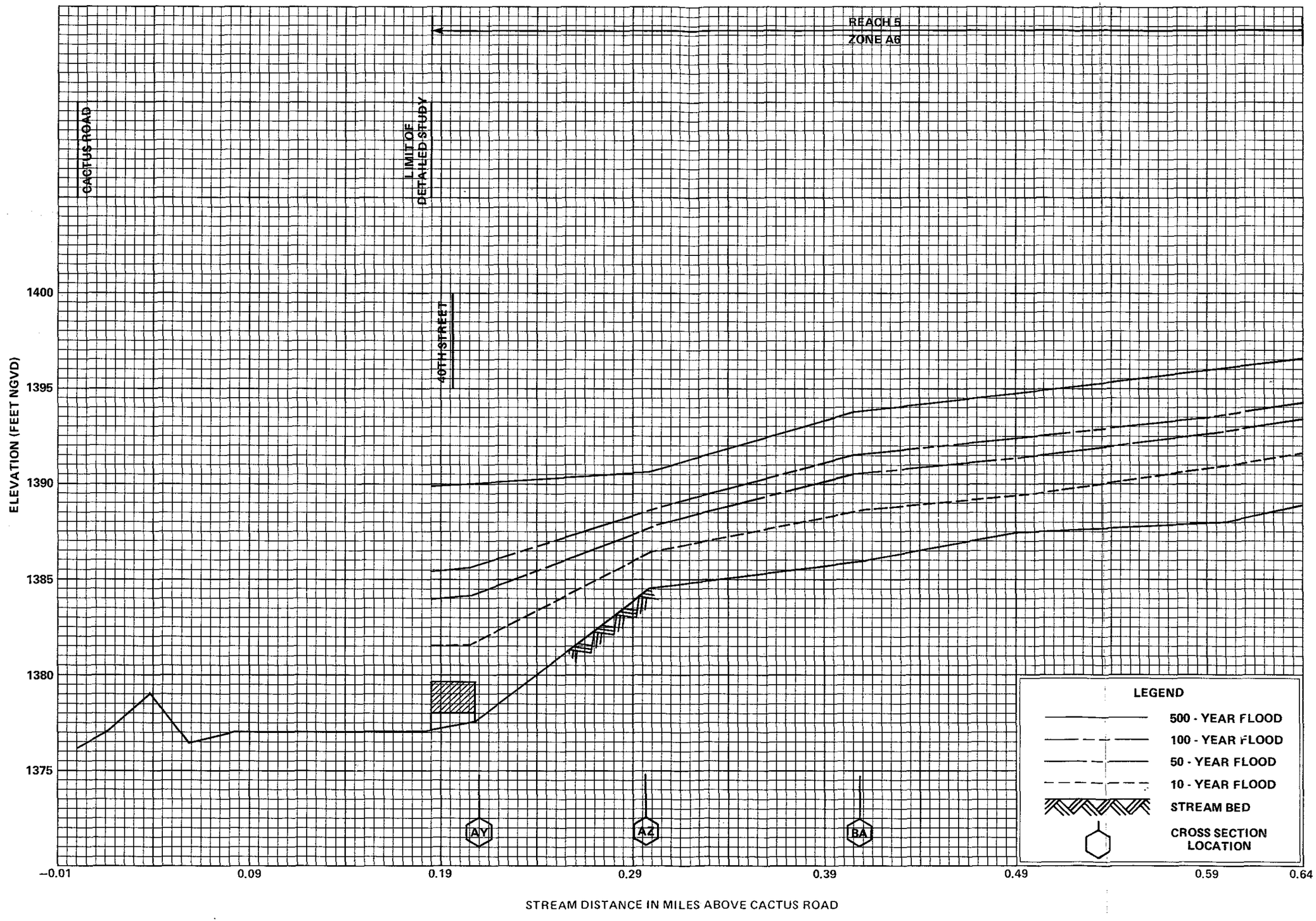


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

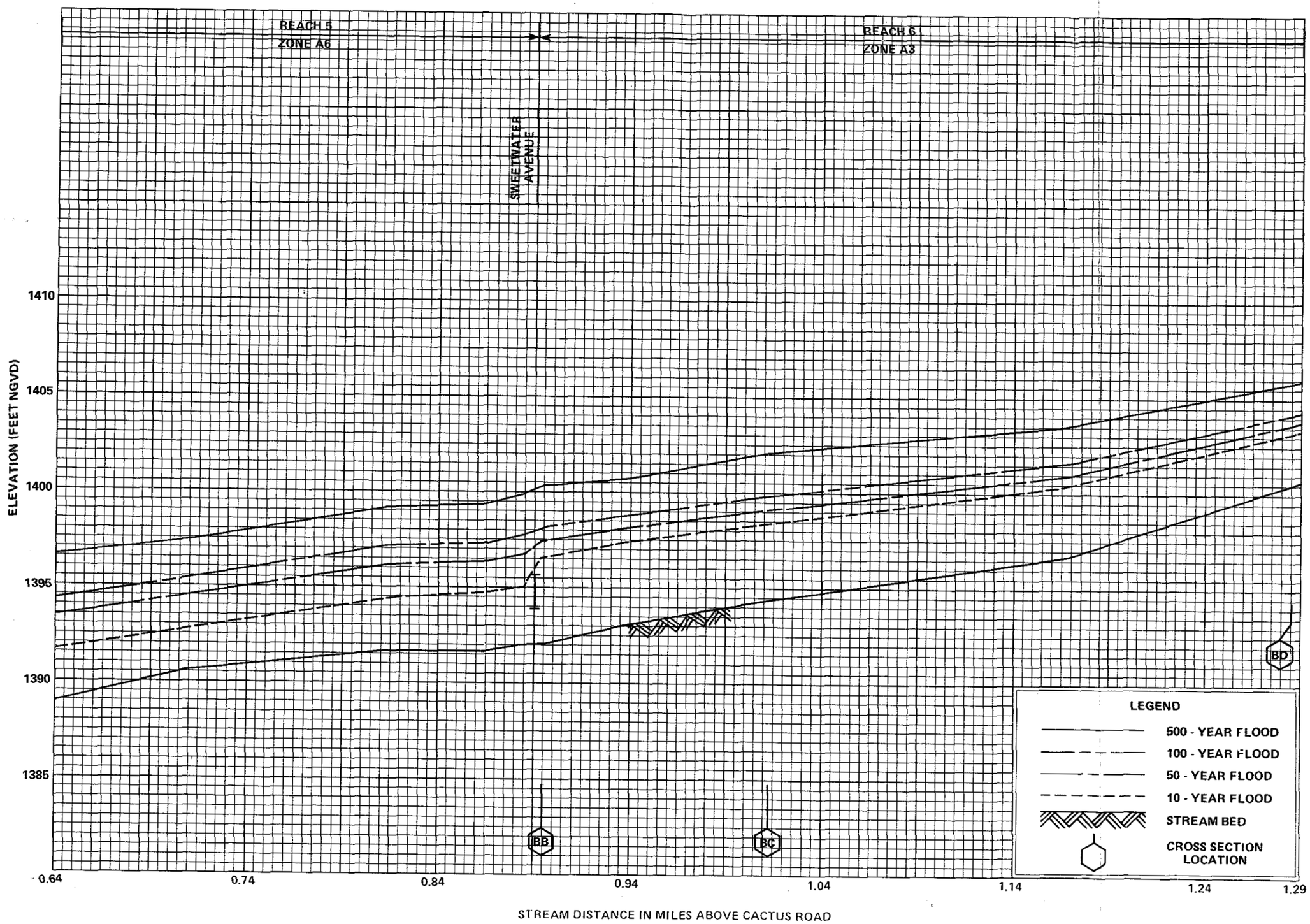


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

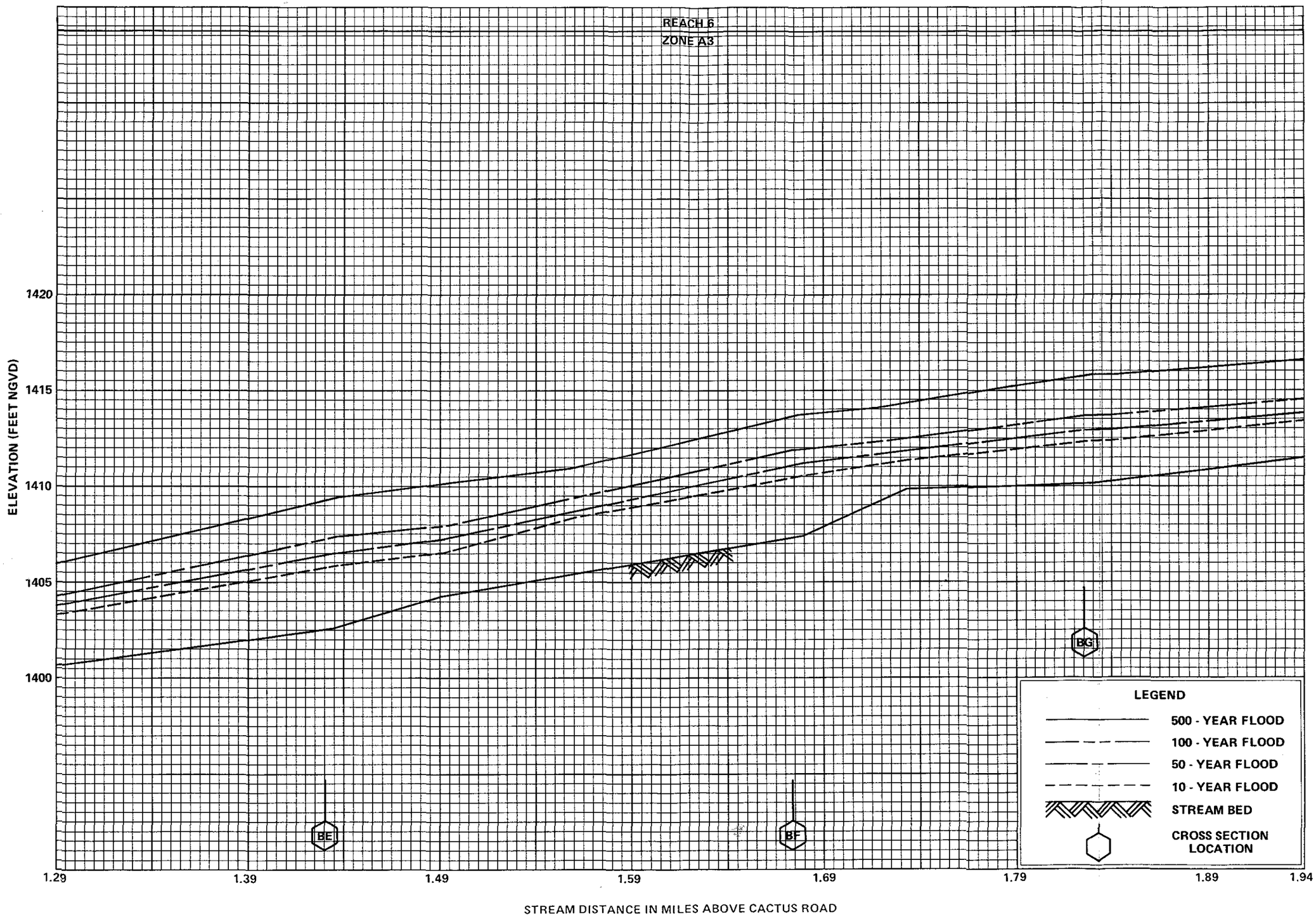


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

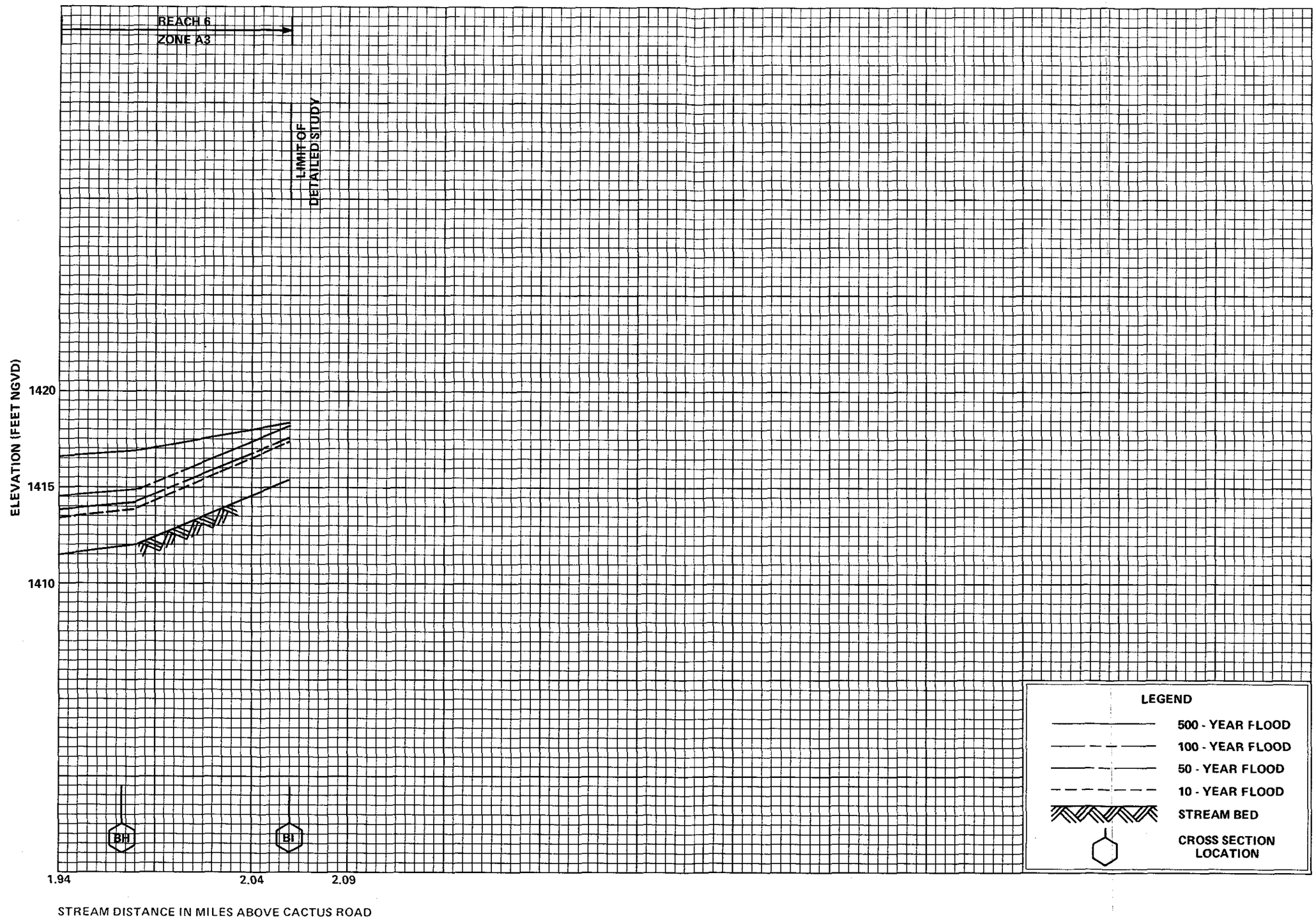


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

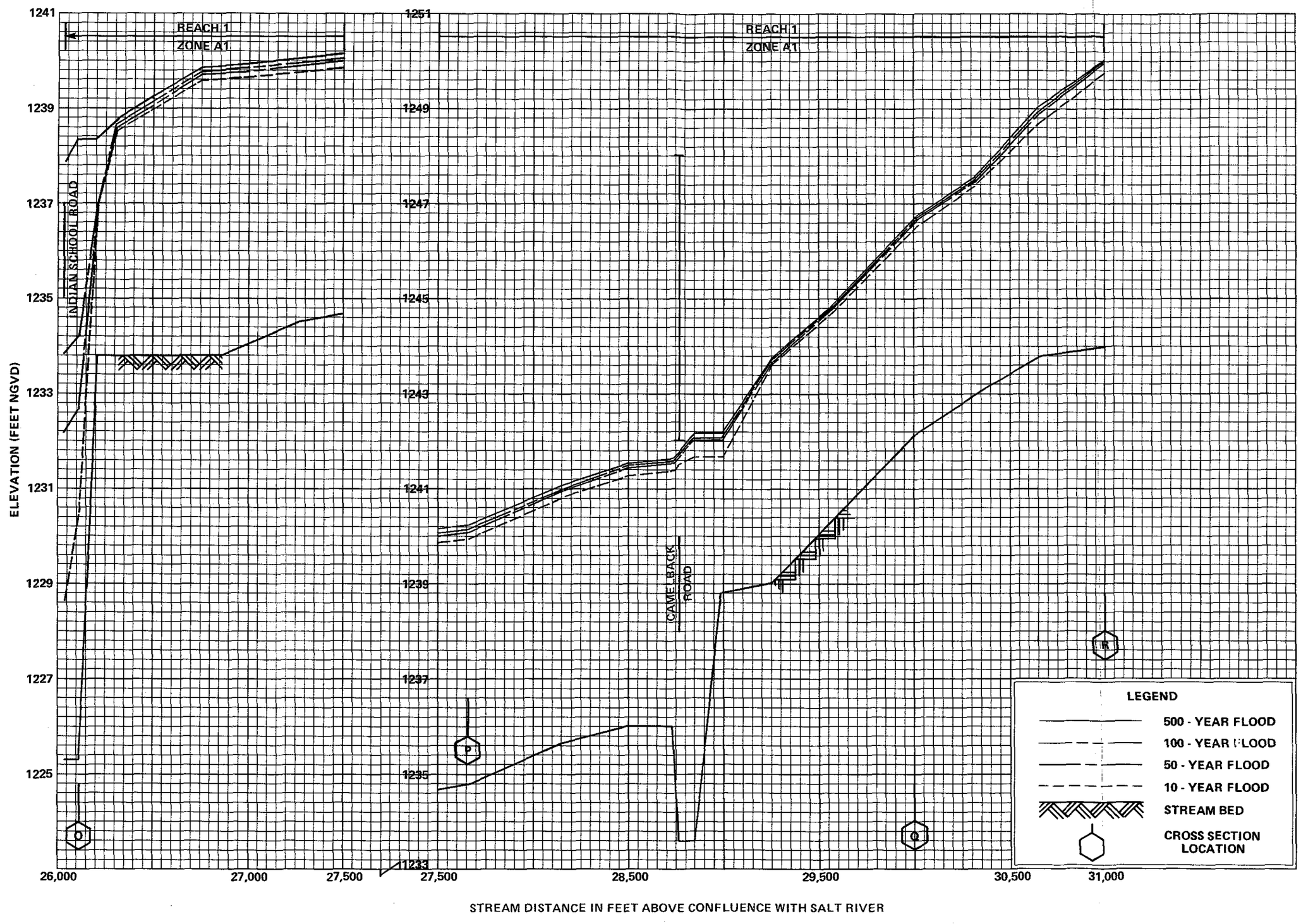


FLOOD PROFILES

INDIAN BEND WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

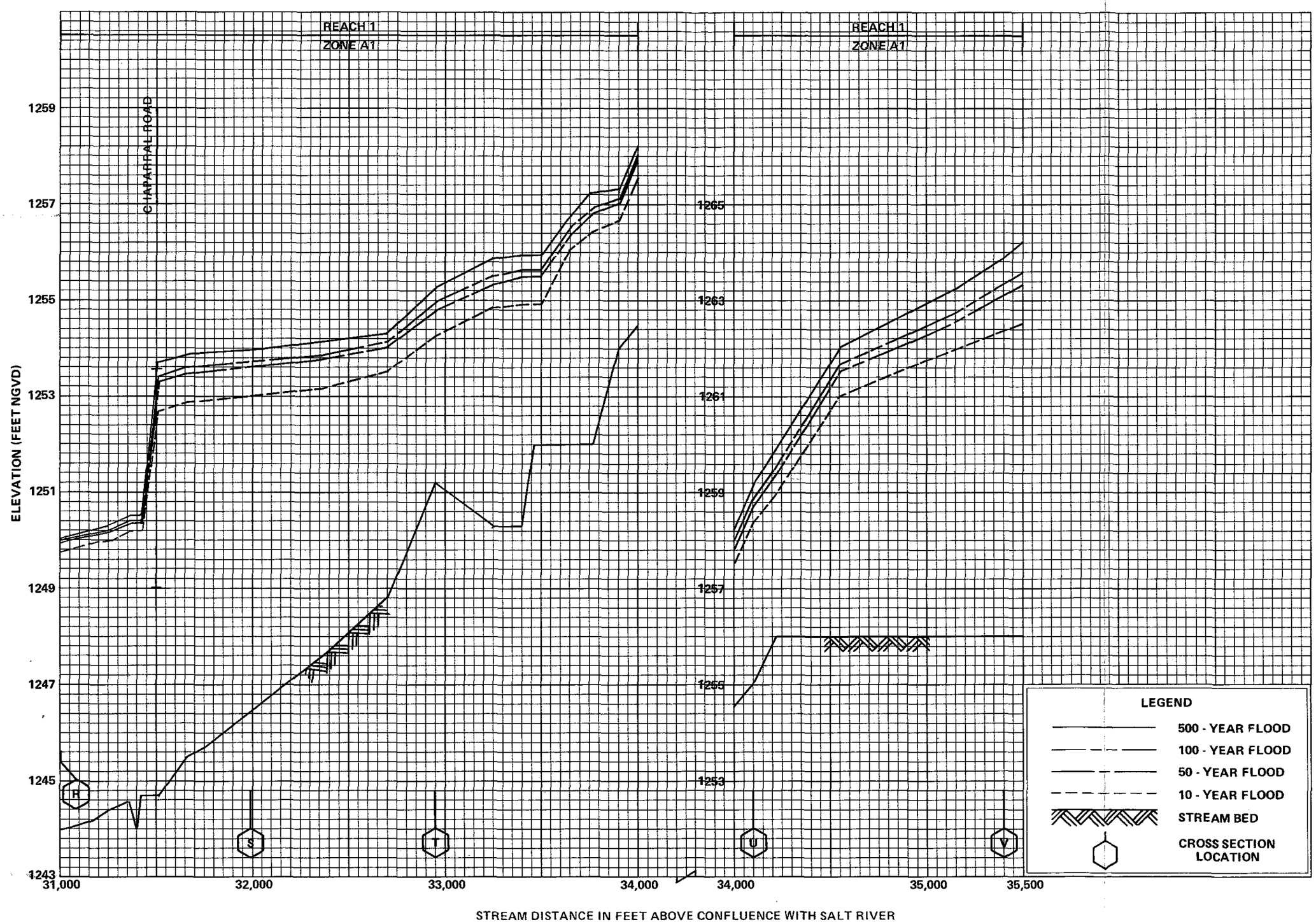


FLOOD PROFILES

INDIAN BEND WASH-LOW FLOW CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

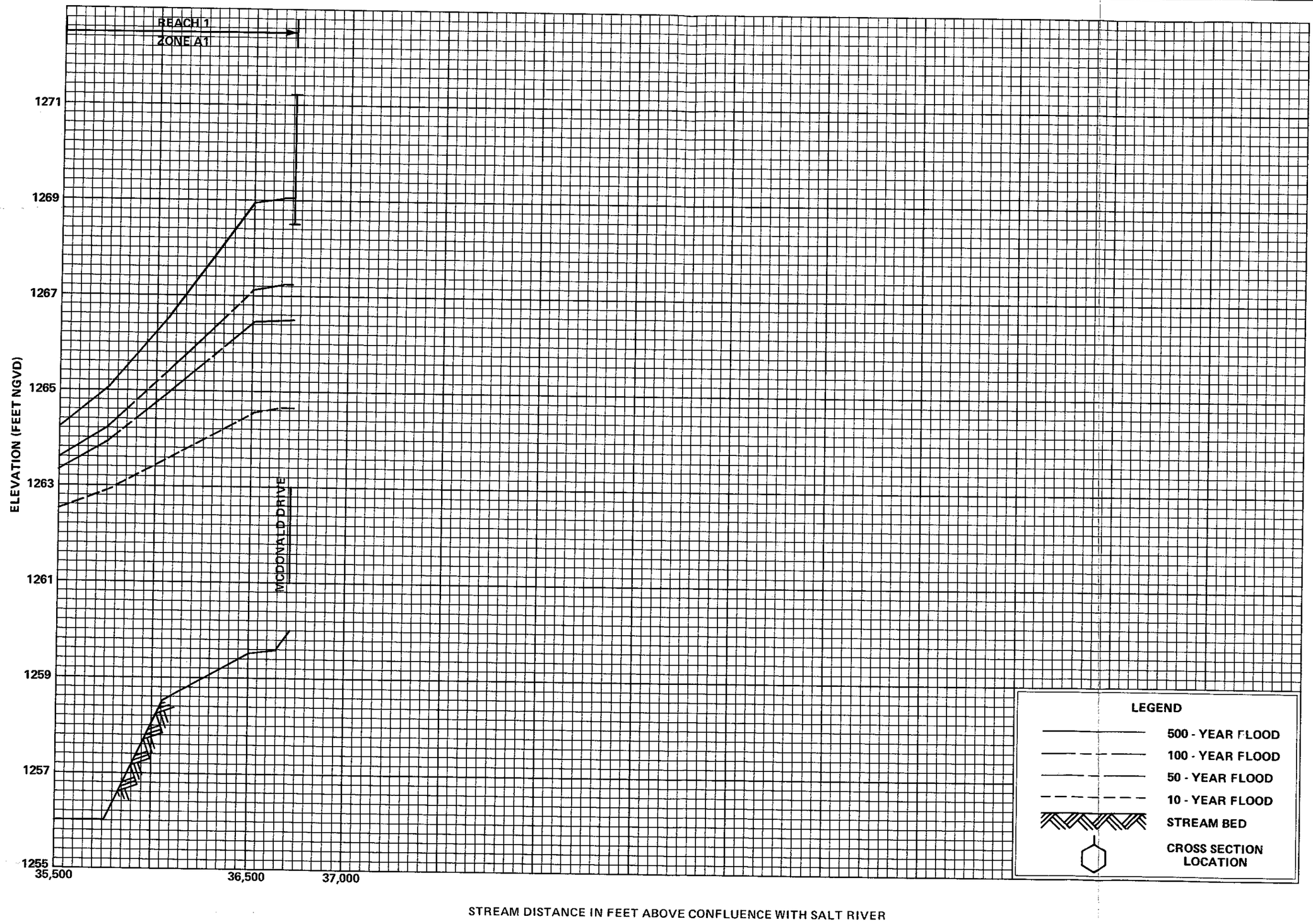


FLOOD PROFILES

INDIAN BEND WASH-LOW FLOW CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

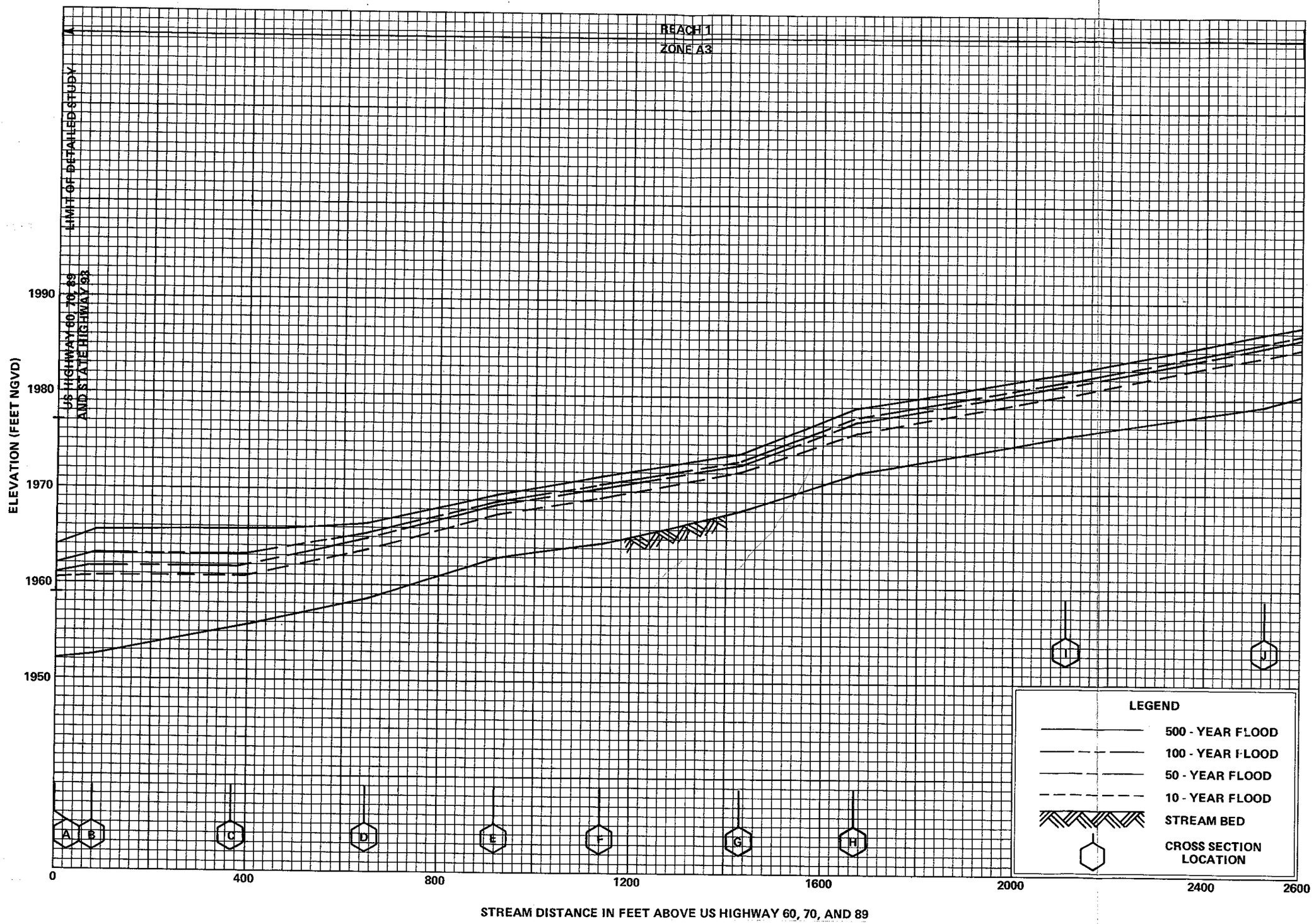


FLOOD PROFILES

INDIAN BEND WASH-LOW FLOW CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

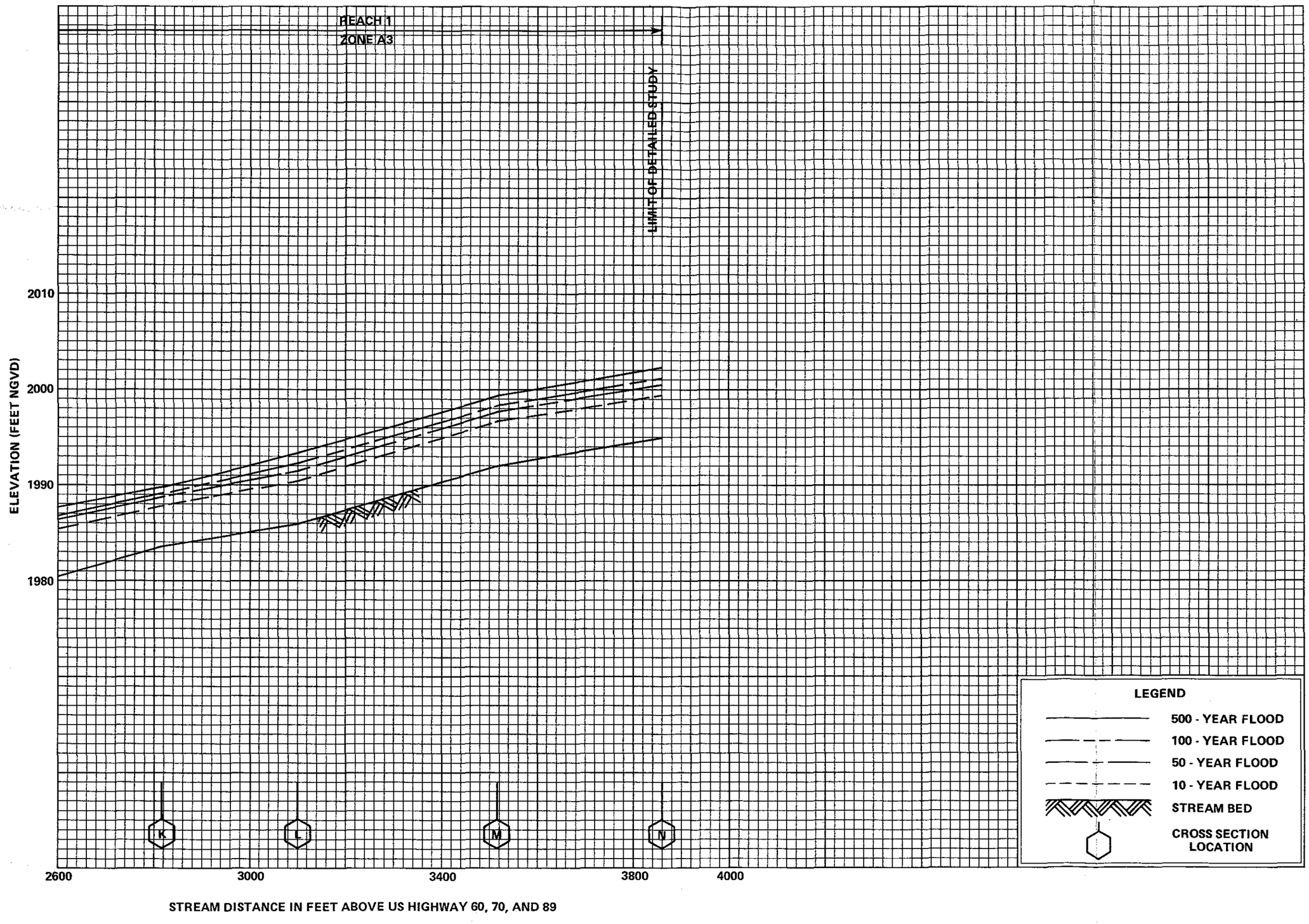


FLOOD PROFILES

LITTLE SAN DOMINGO WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

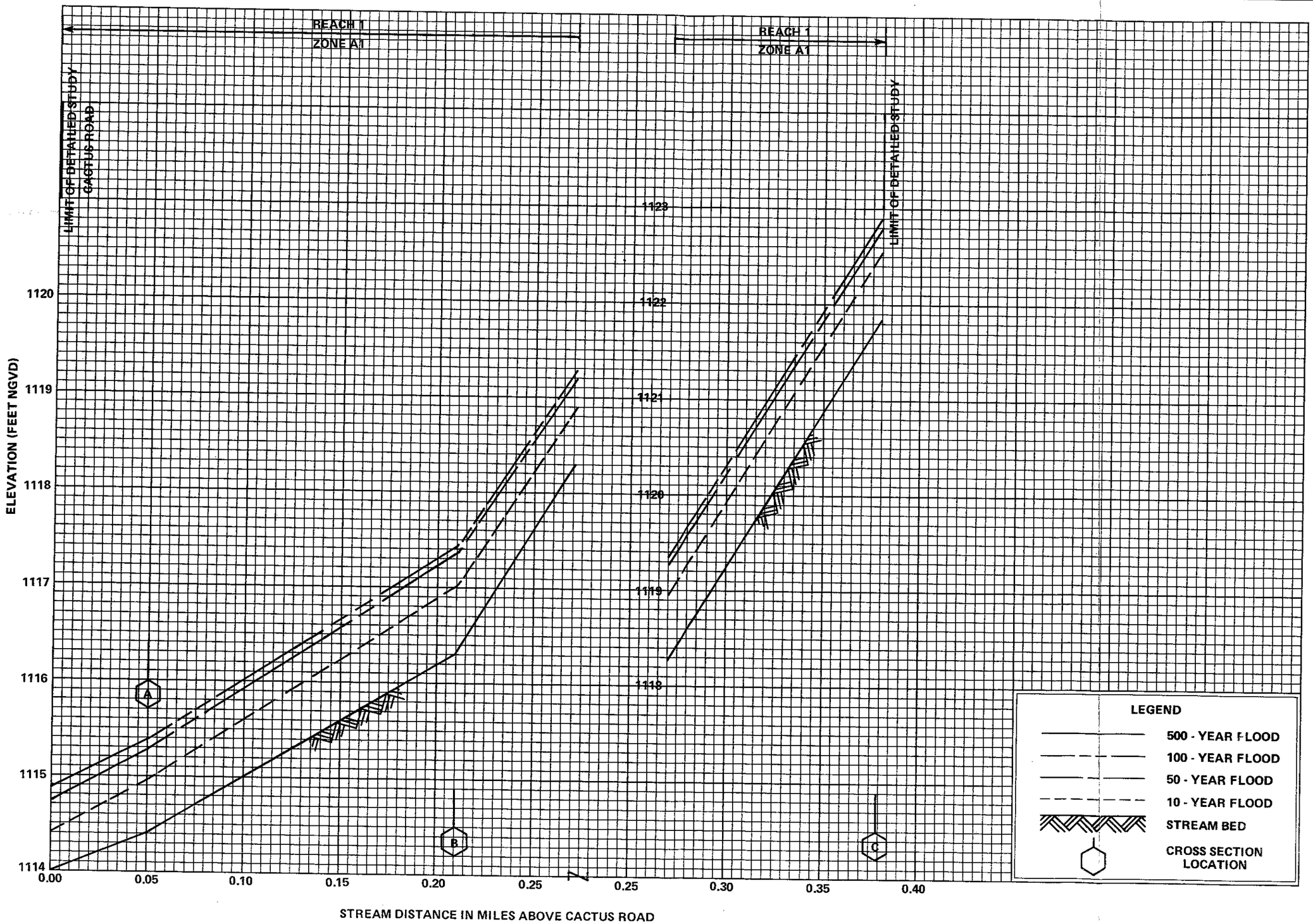


FLOOD PROFILES

LITTLE SAN DOMINGO WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

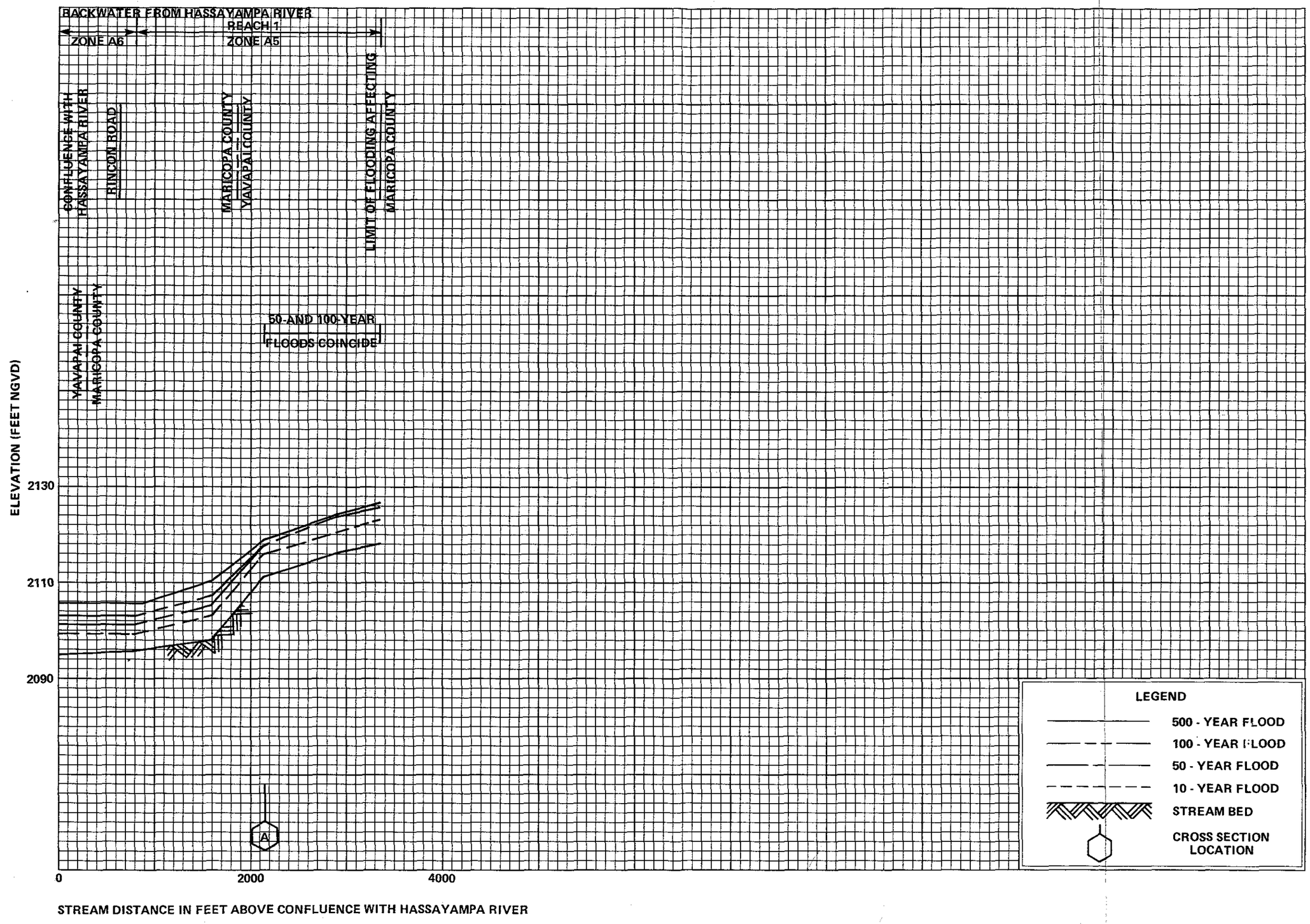


FLOOD PROFILES

LOWER EL MIRAGE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

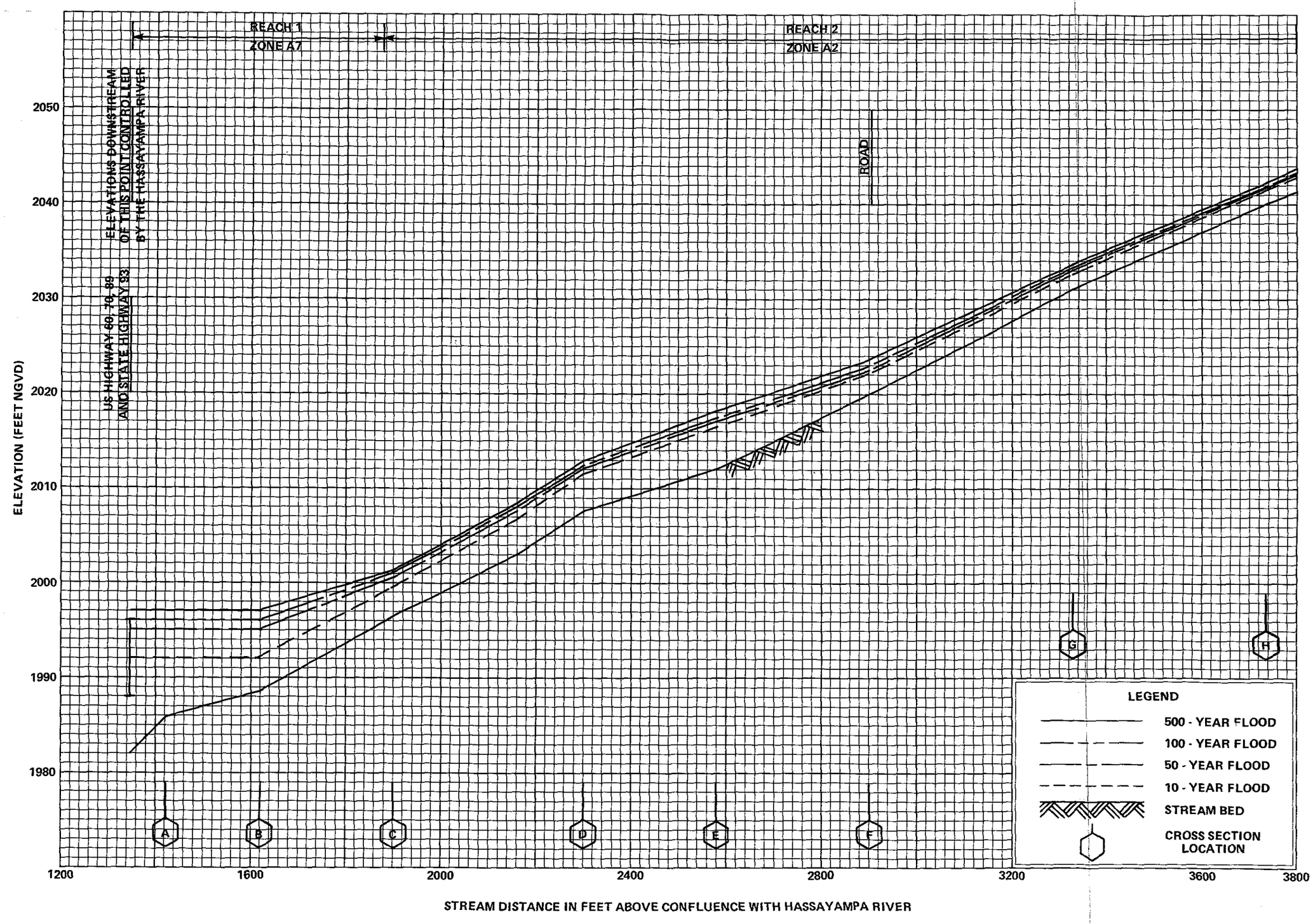


FLOOD PROFILES

MARTINEZ WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

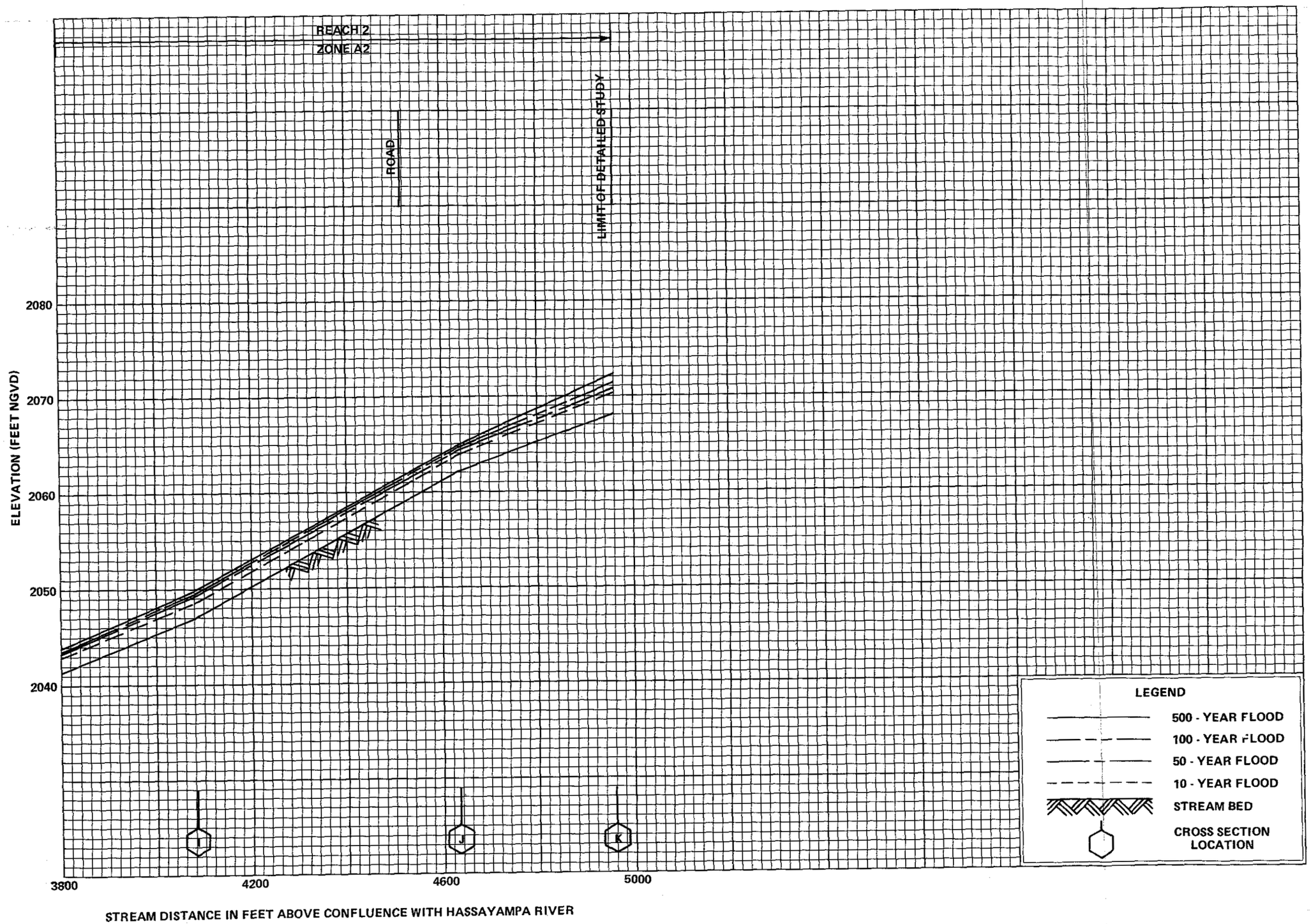


FLOOD PROFILES

MOCKINGBIRD WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

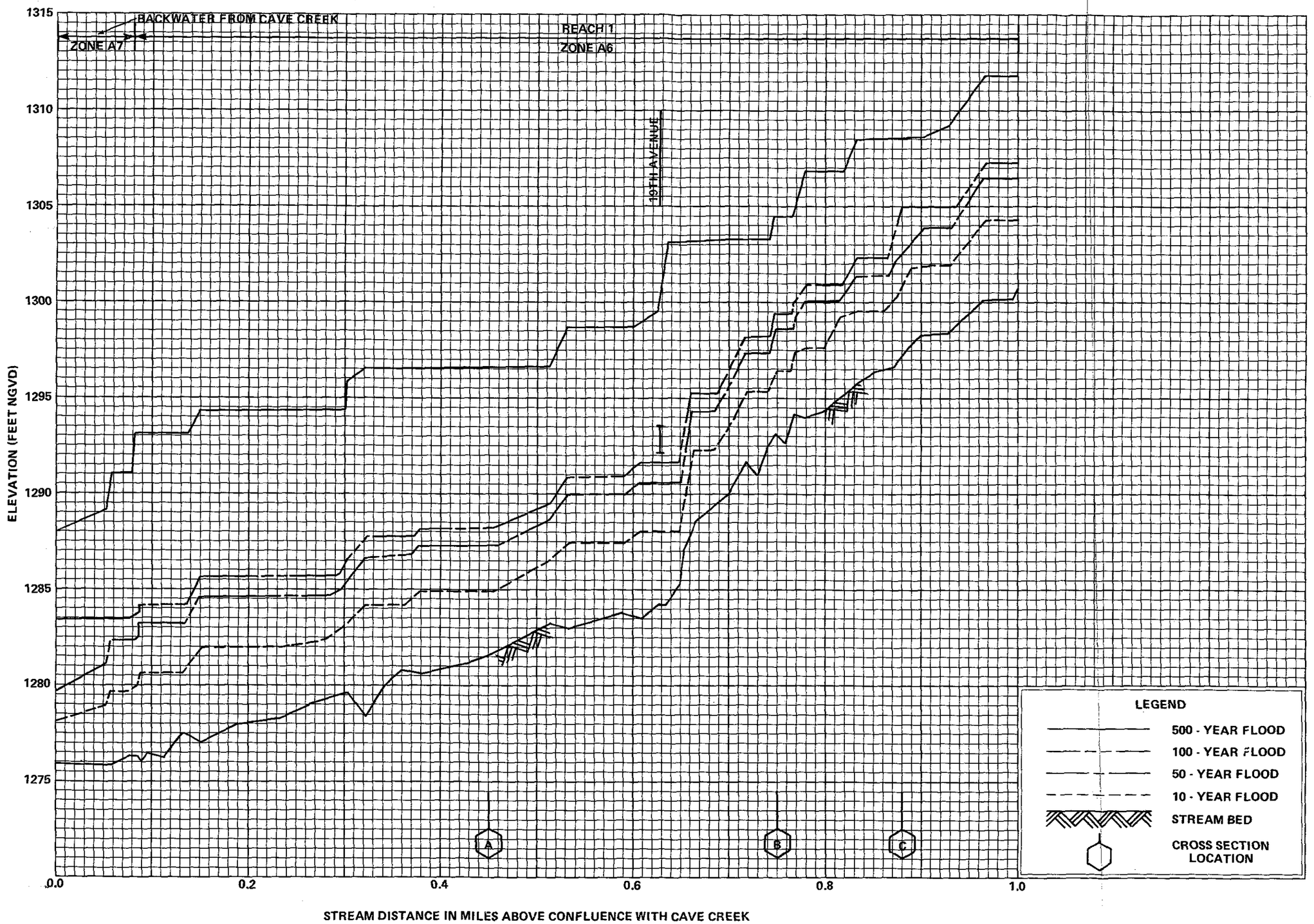


FLOOD PROFILES

MOCKINGBIRD WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS



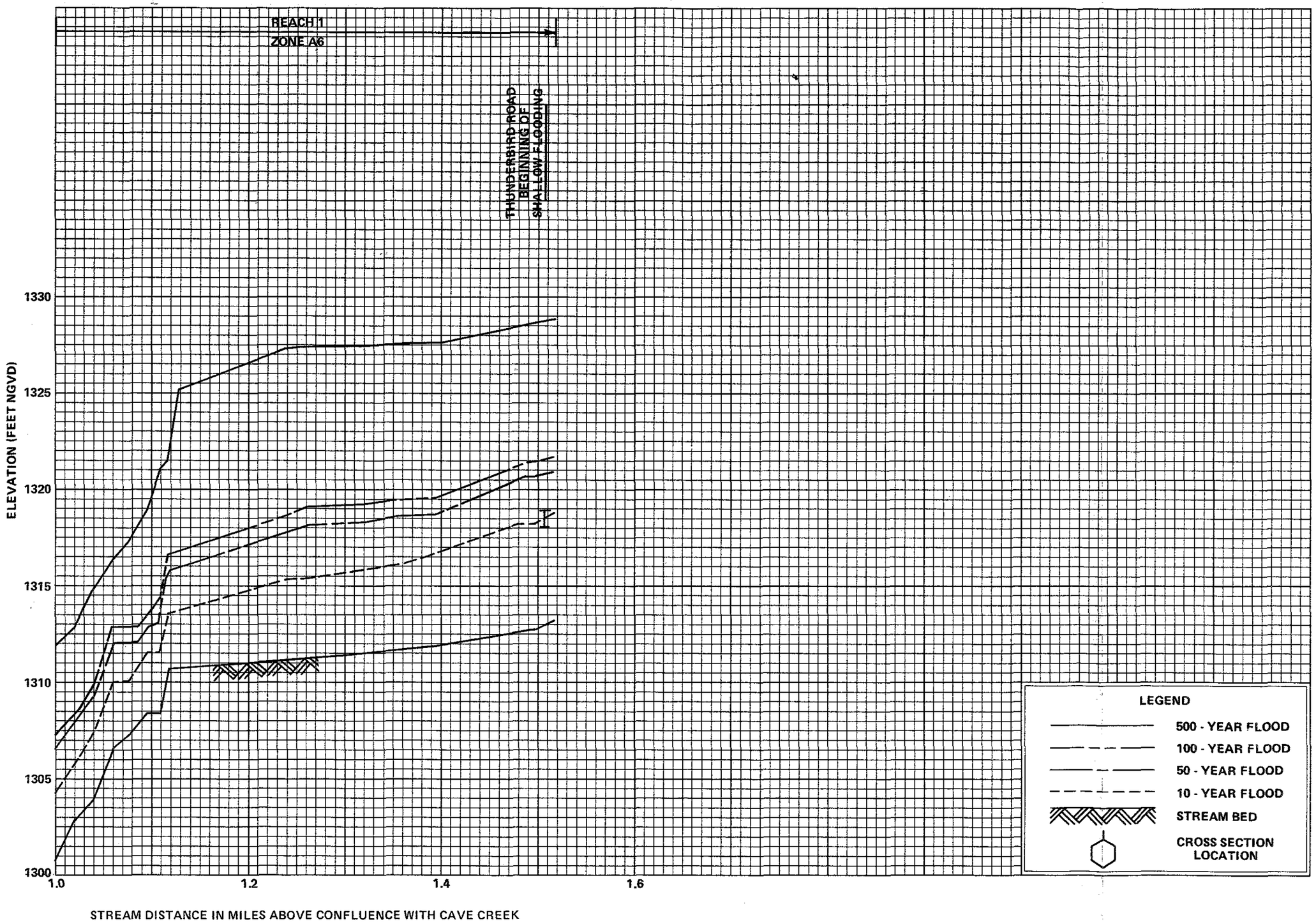
FLOOD PROFILES

MOON VALLEY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

186P

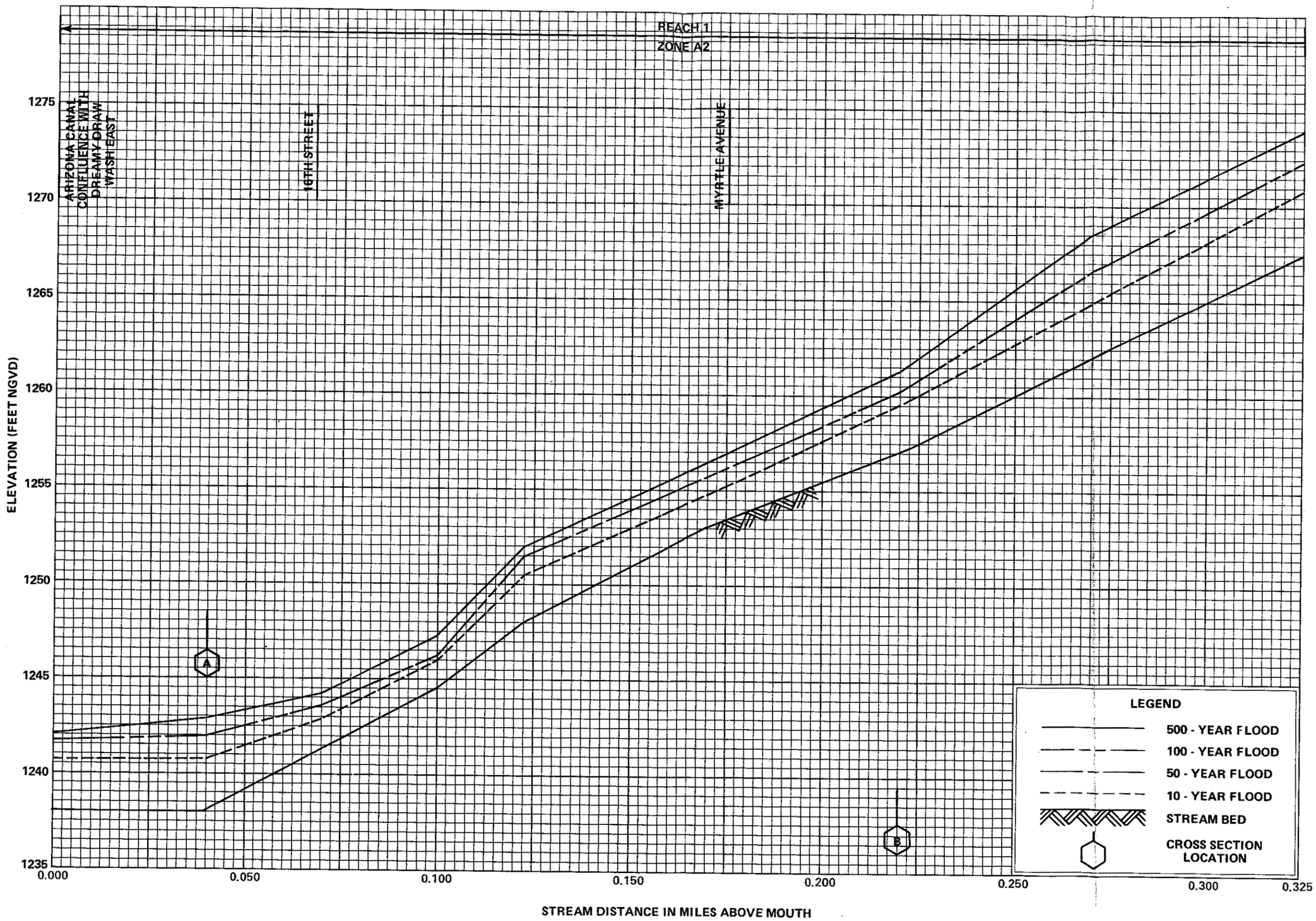


FLOOD PROFILES

MOON VALLEY WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS



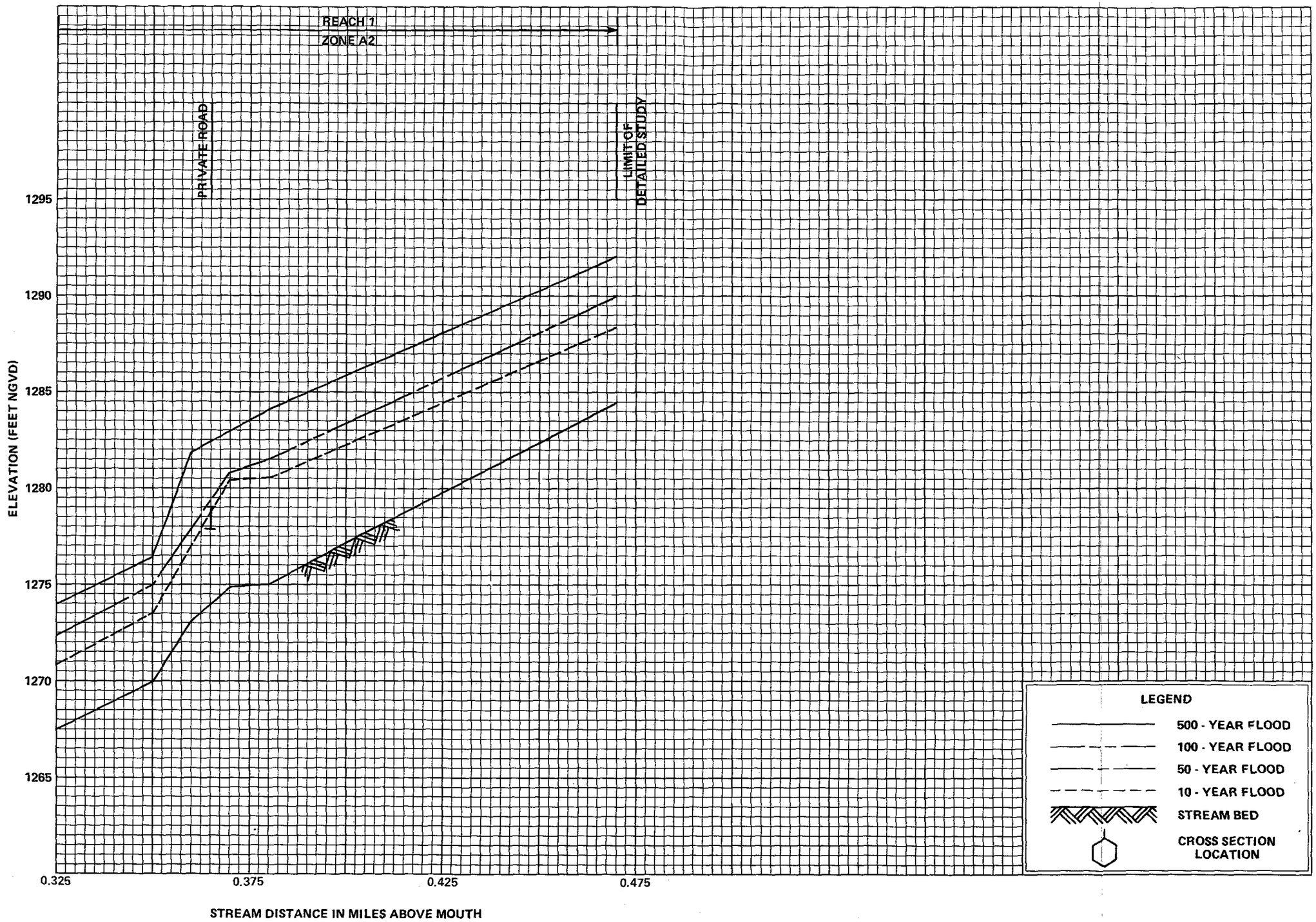
FLOOD PROFILES

MYRTLE AVENUE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

188P

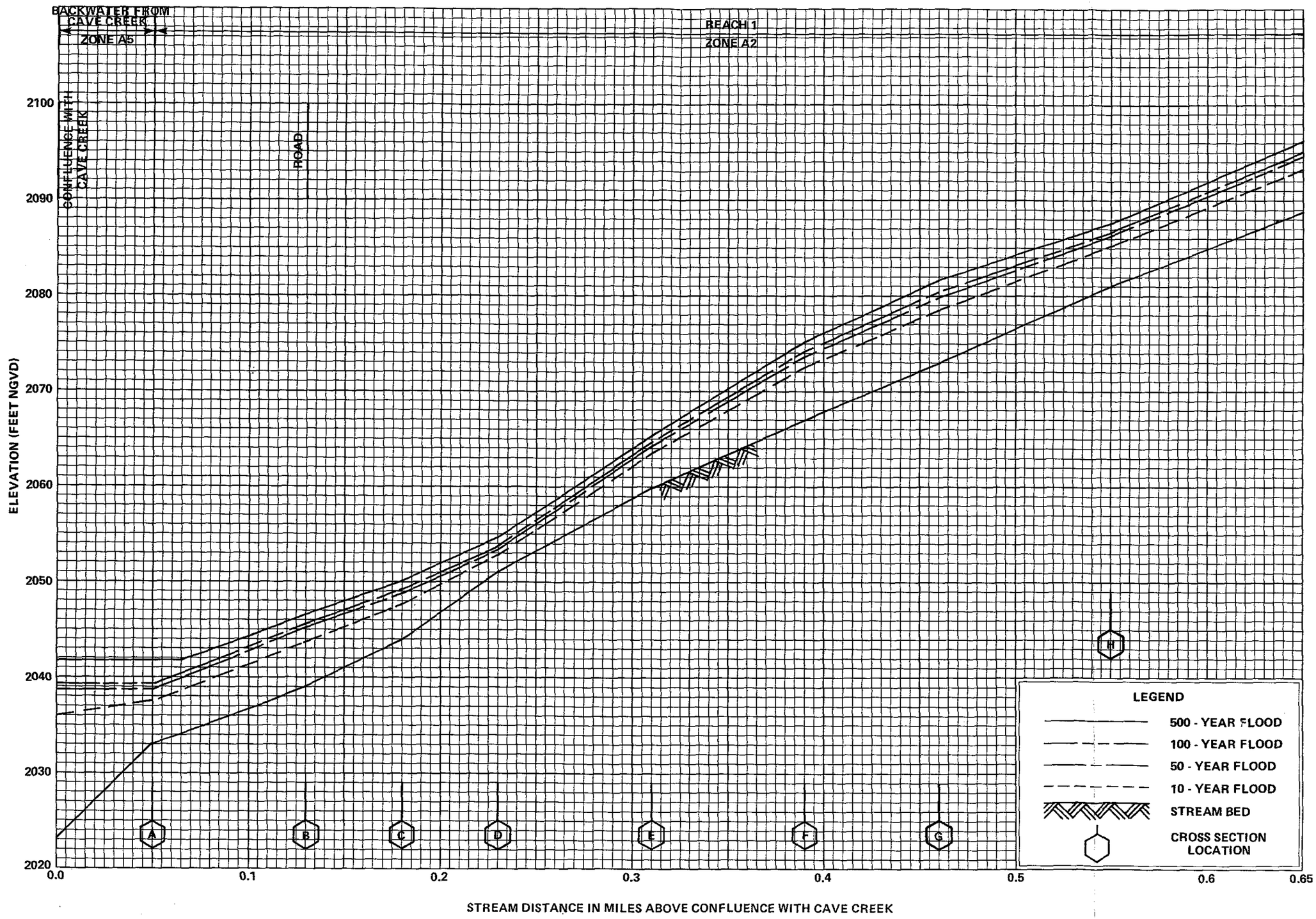


FLOOD PROFILES

MYRTLE AVENUE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

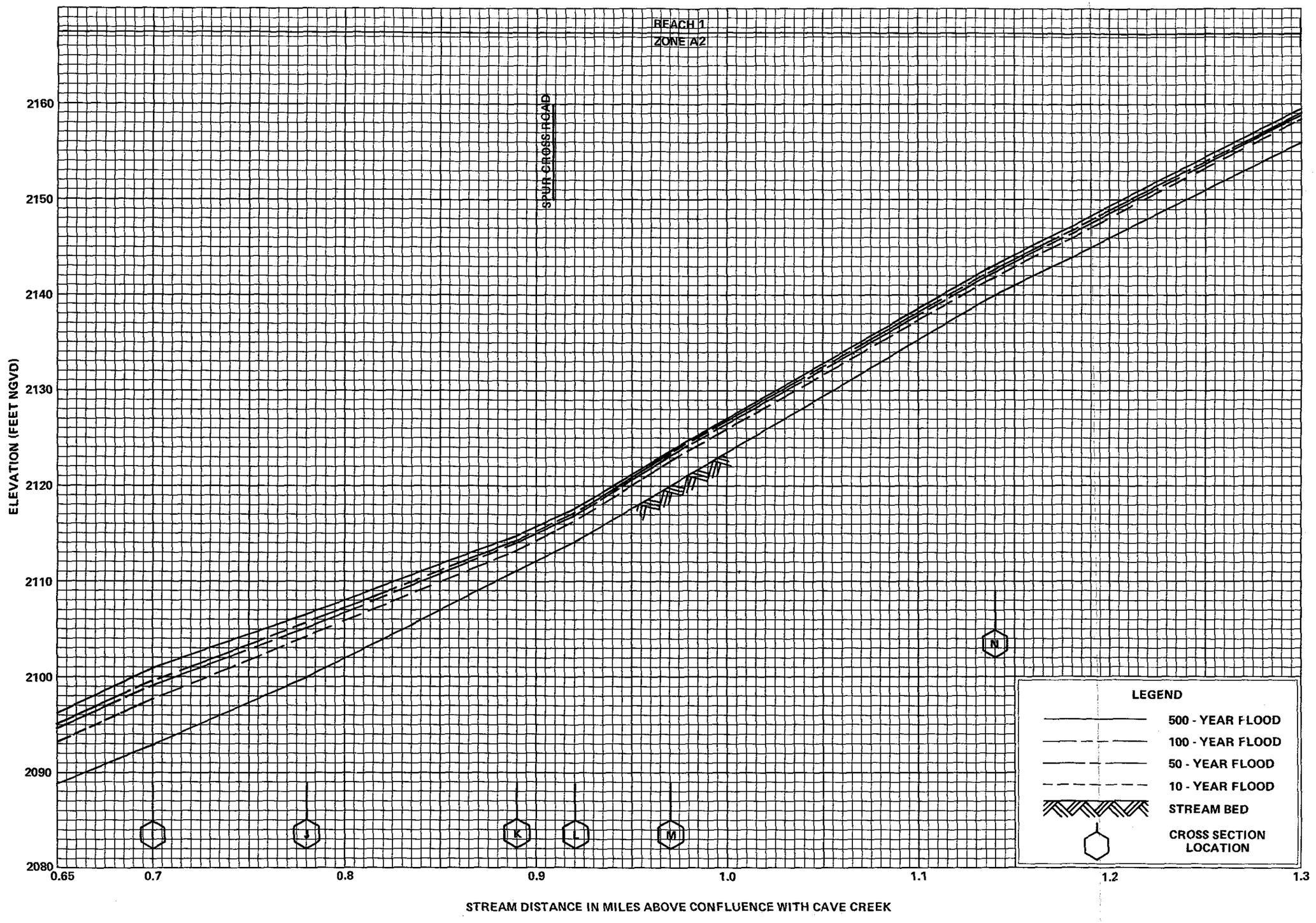


FLOOD PROFILES

OCOTILLO WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

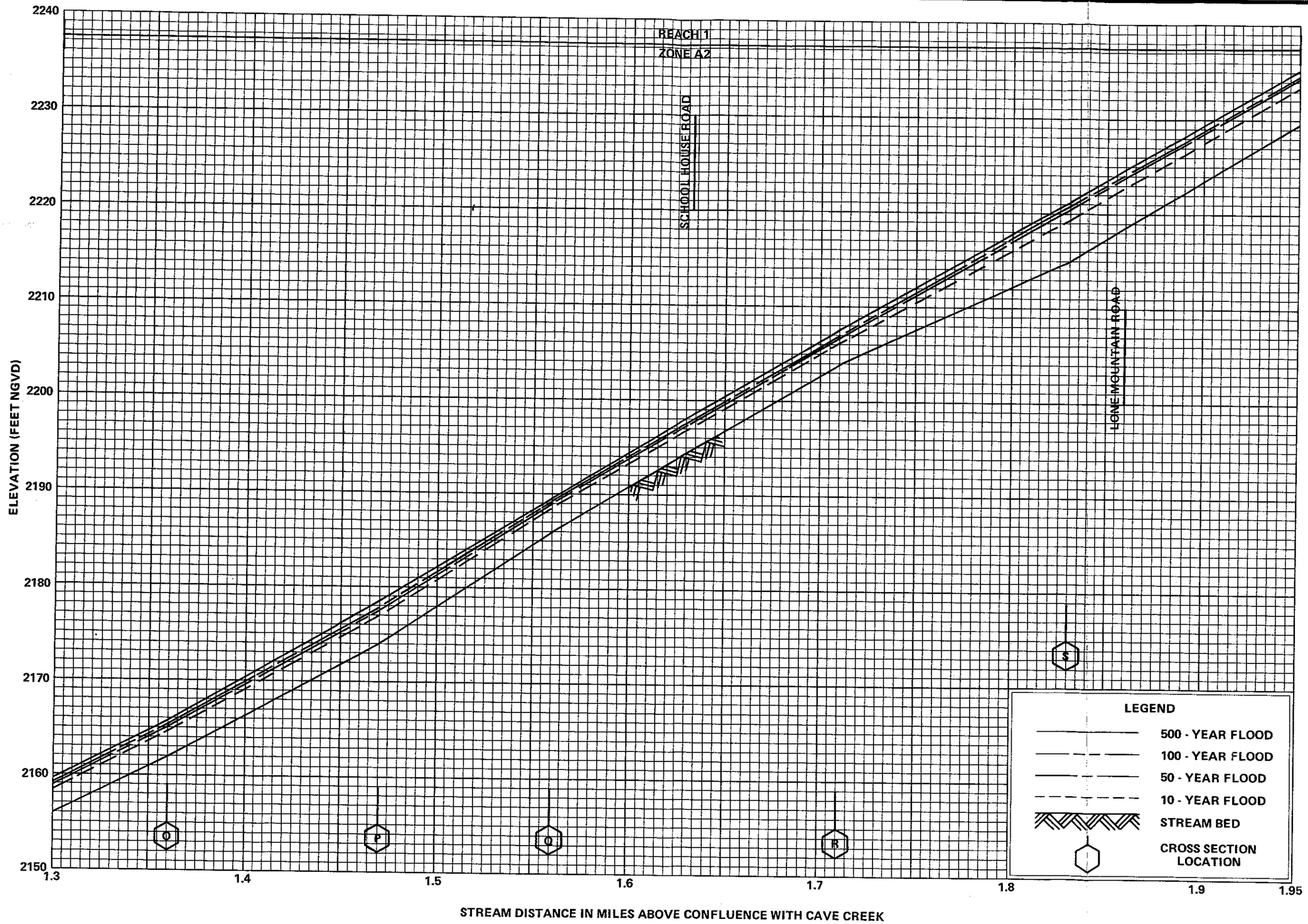


FLOOD PROFILES

OCOTILLO WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

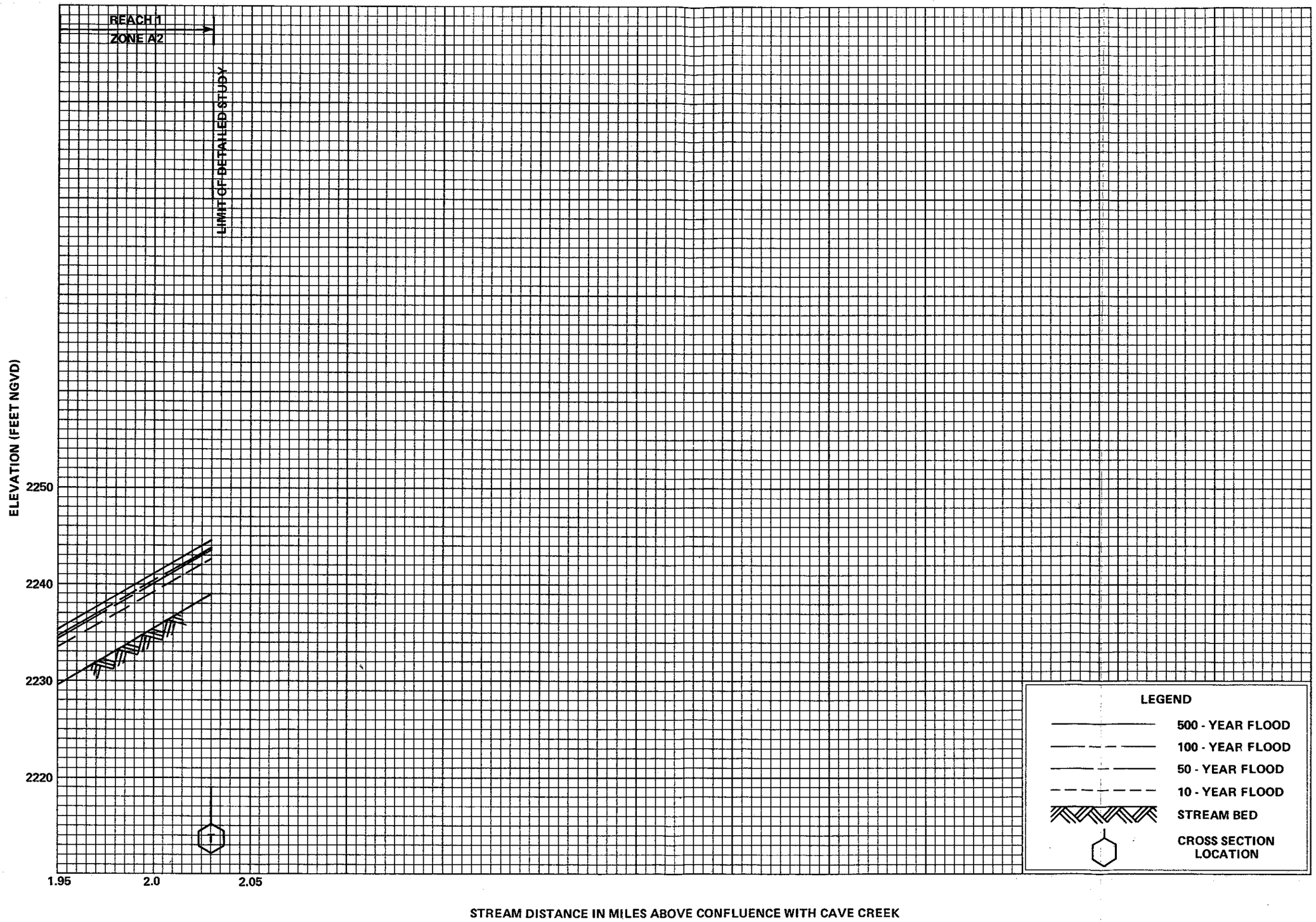


FLOOD PROFILES

OCOTILLO WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

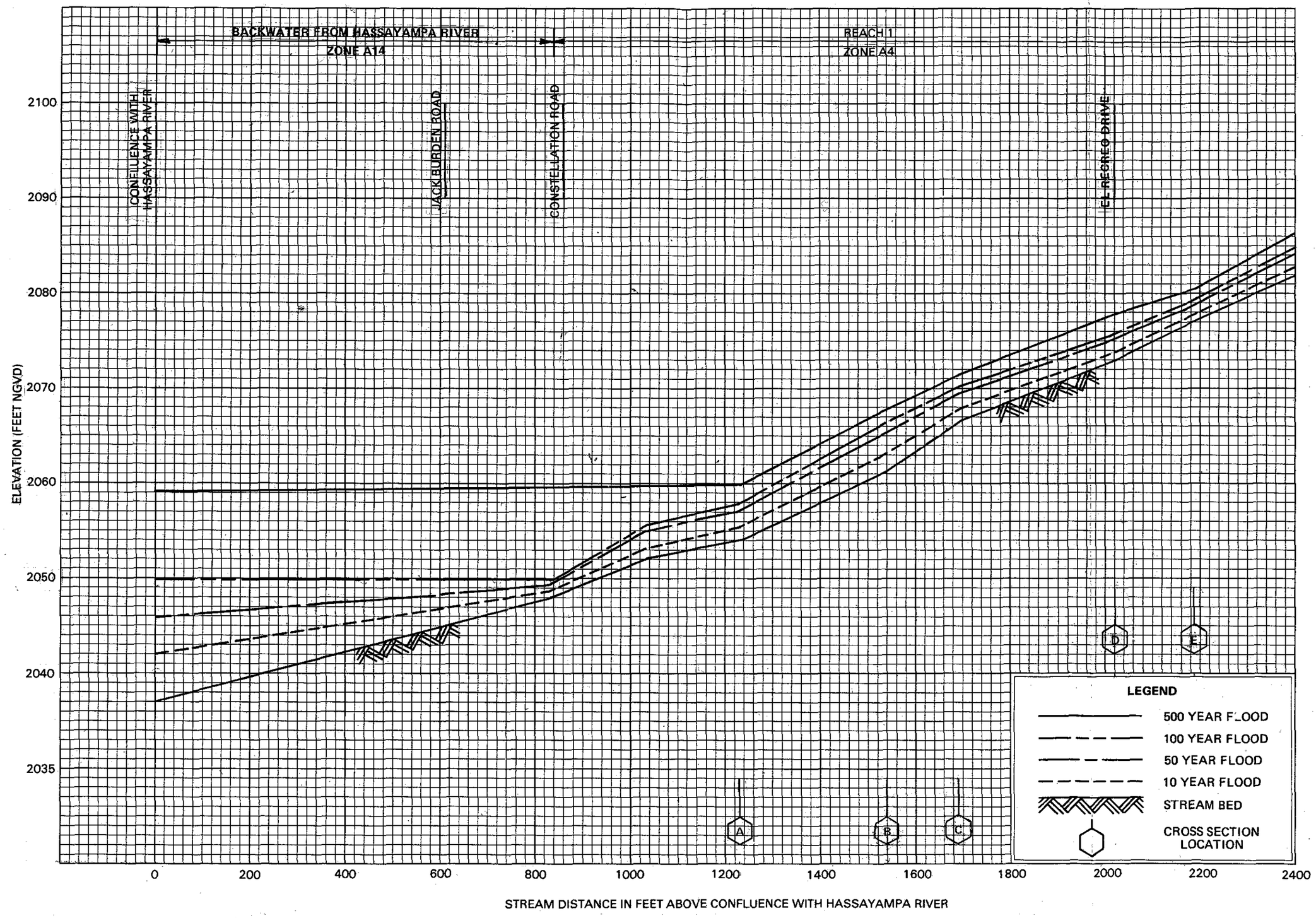


FLOOD PROFILES

OCOTILLO WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

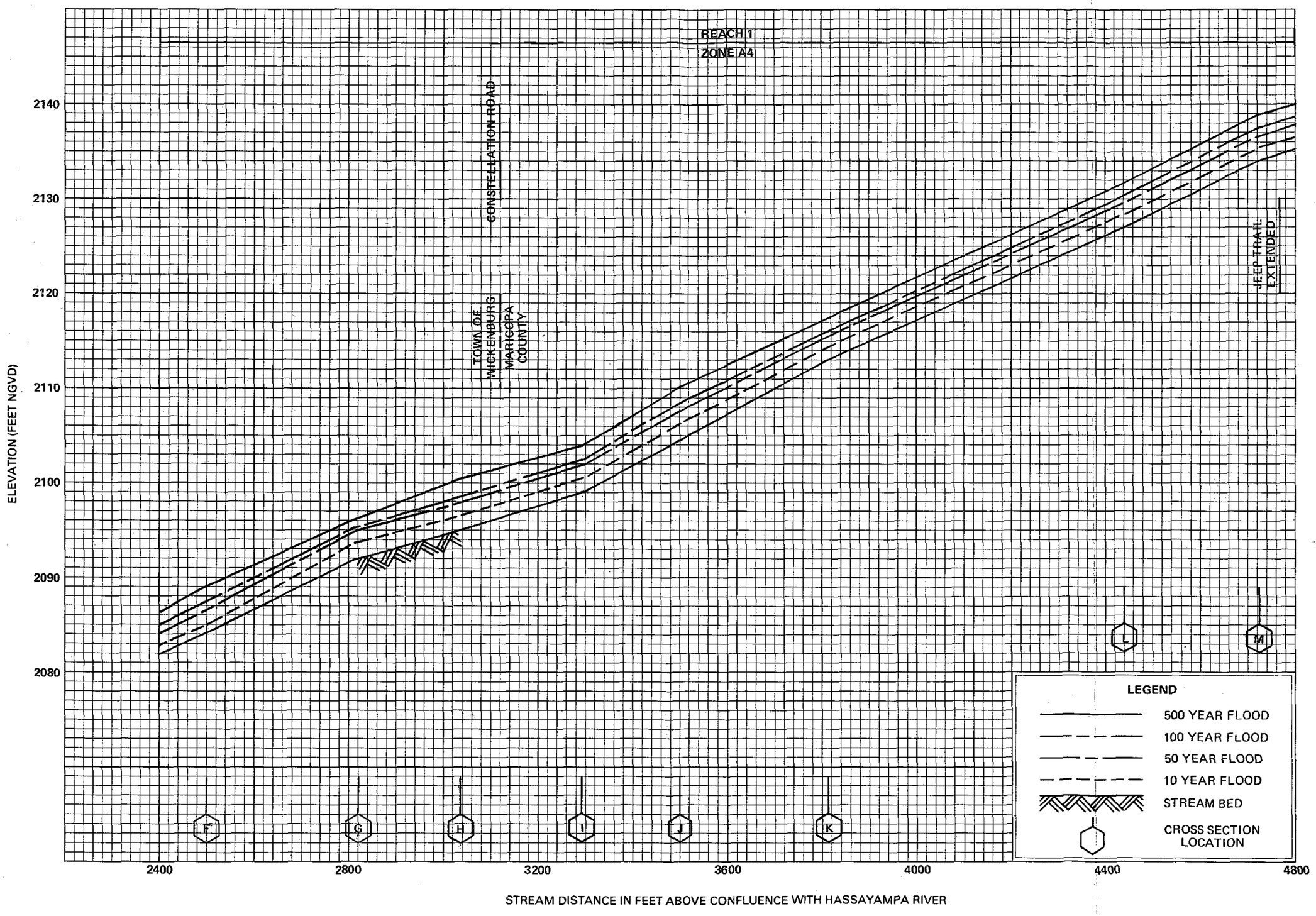


FLOOD PROFILES

POWDER HOUSE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

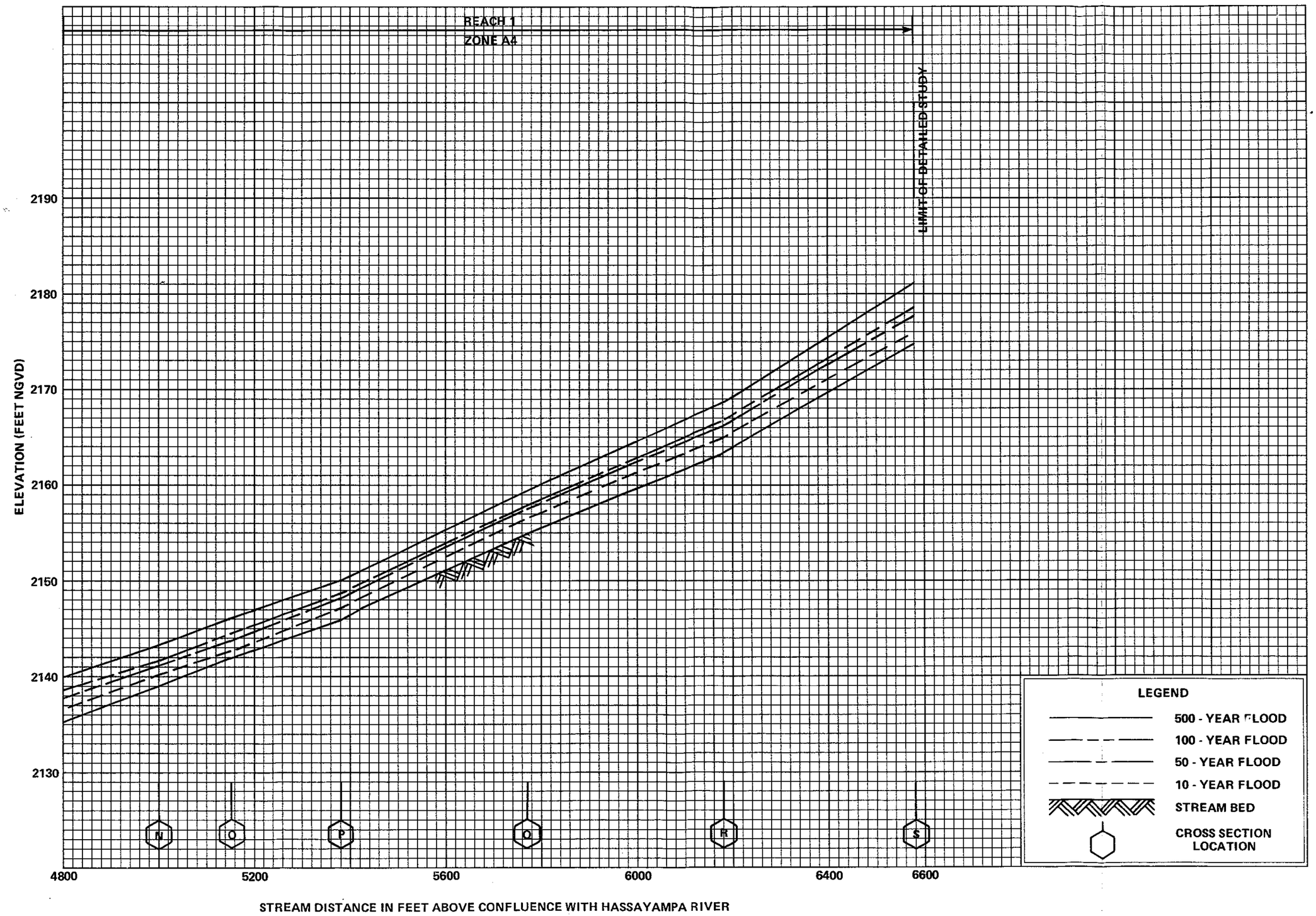


FLOOD PROFILES

POWDER HOUSE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
ND INCORPORATED AREAS

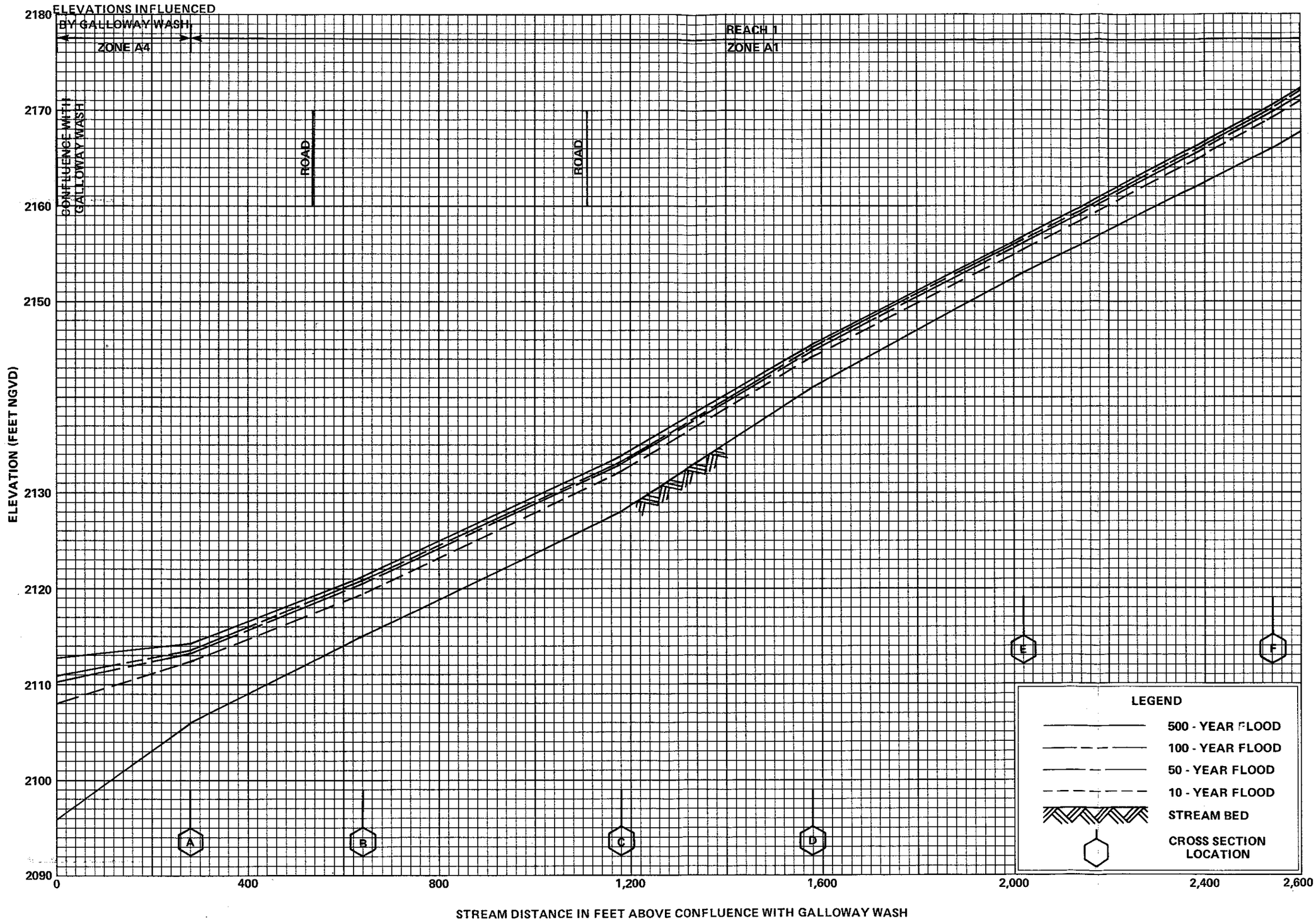


FLOOD PROFILES

POWDER HOUSE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

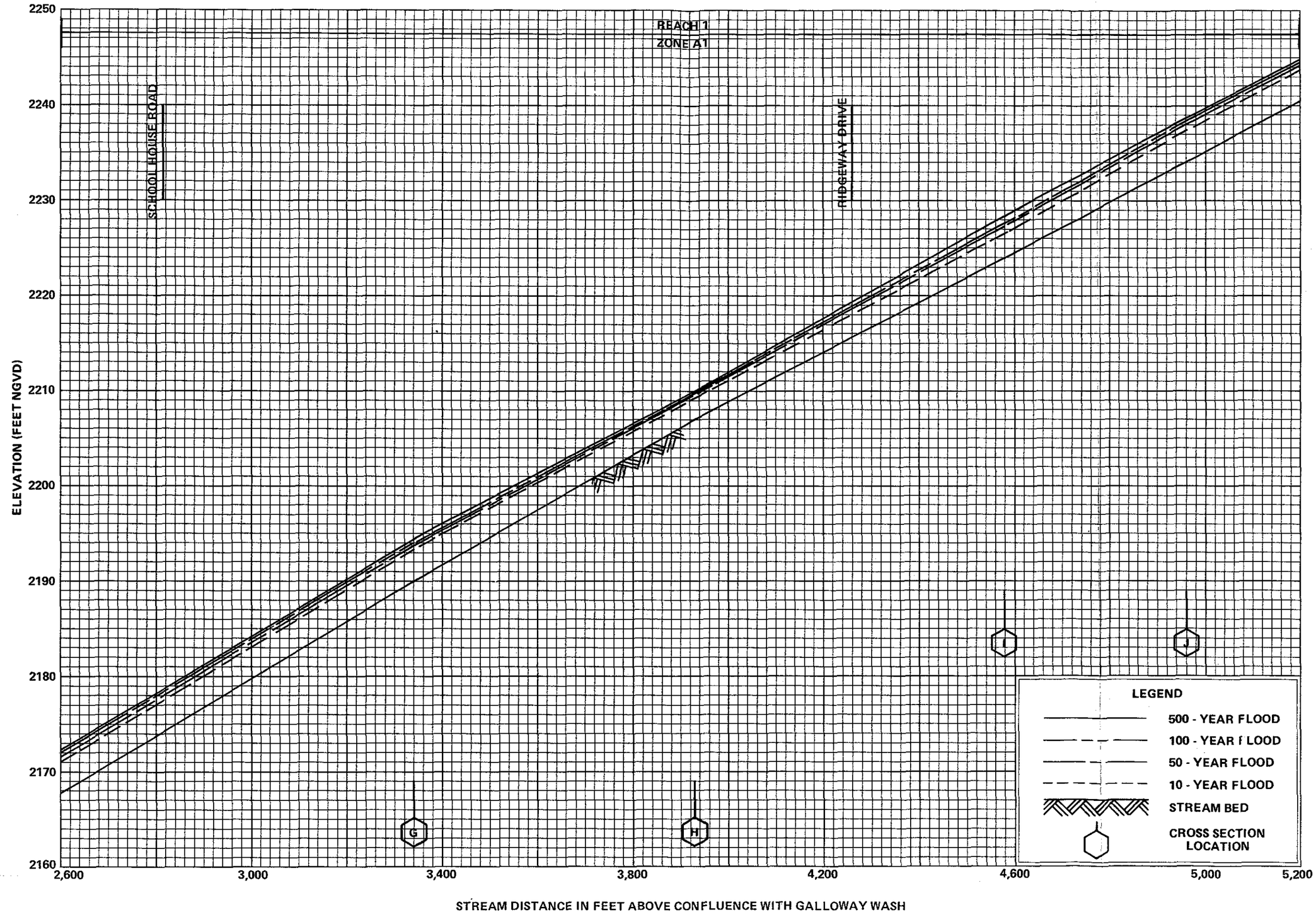


FLOOD PROFILES

ROWE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

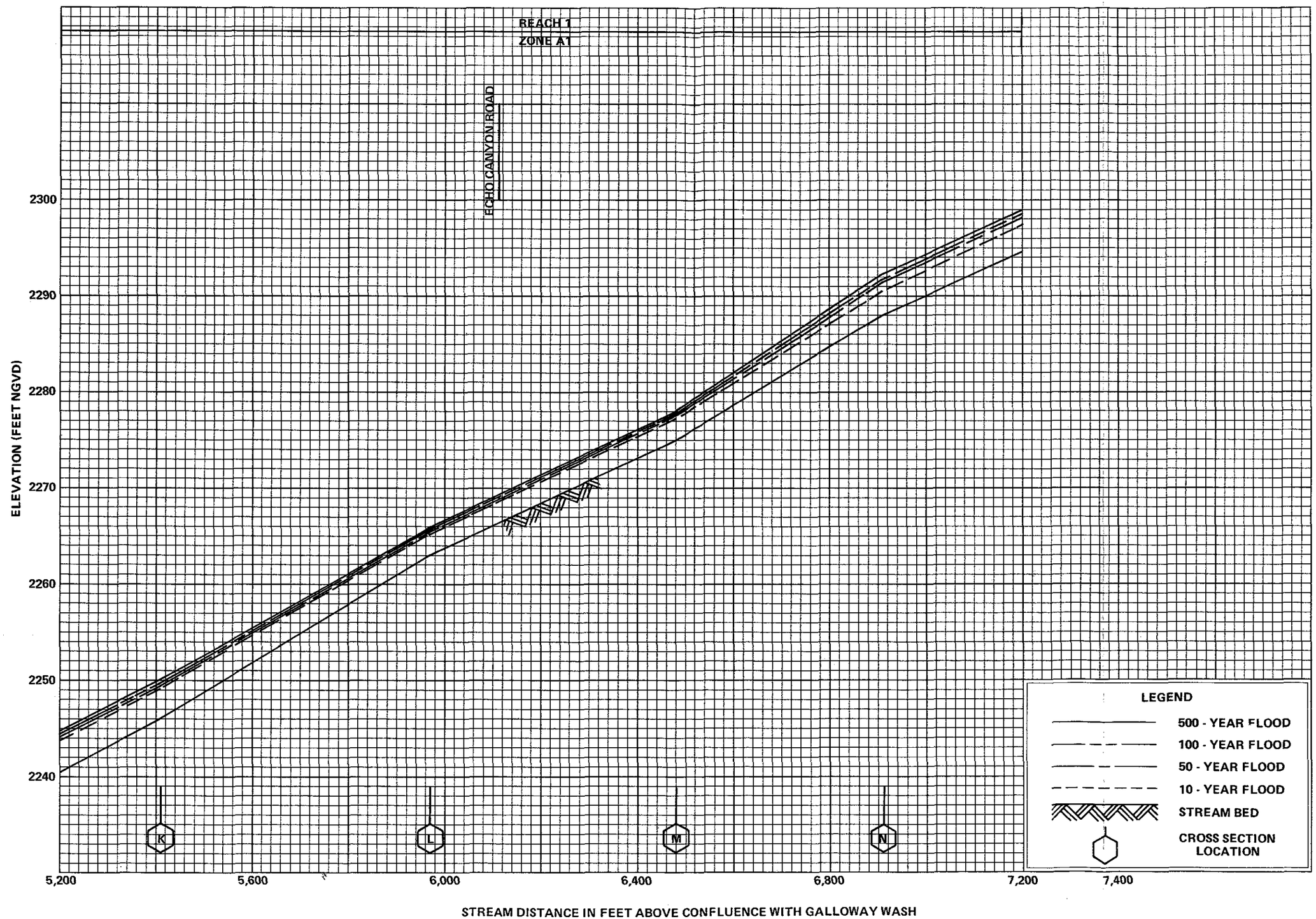


FLOOD PROFILES

ROWE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

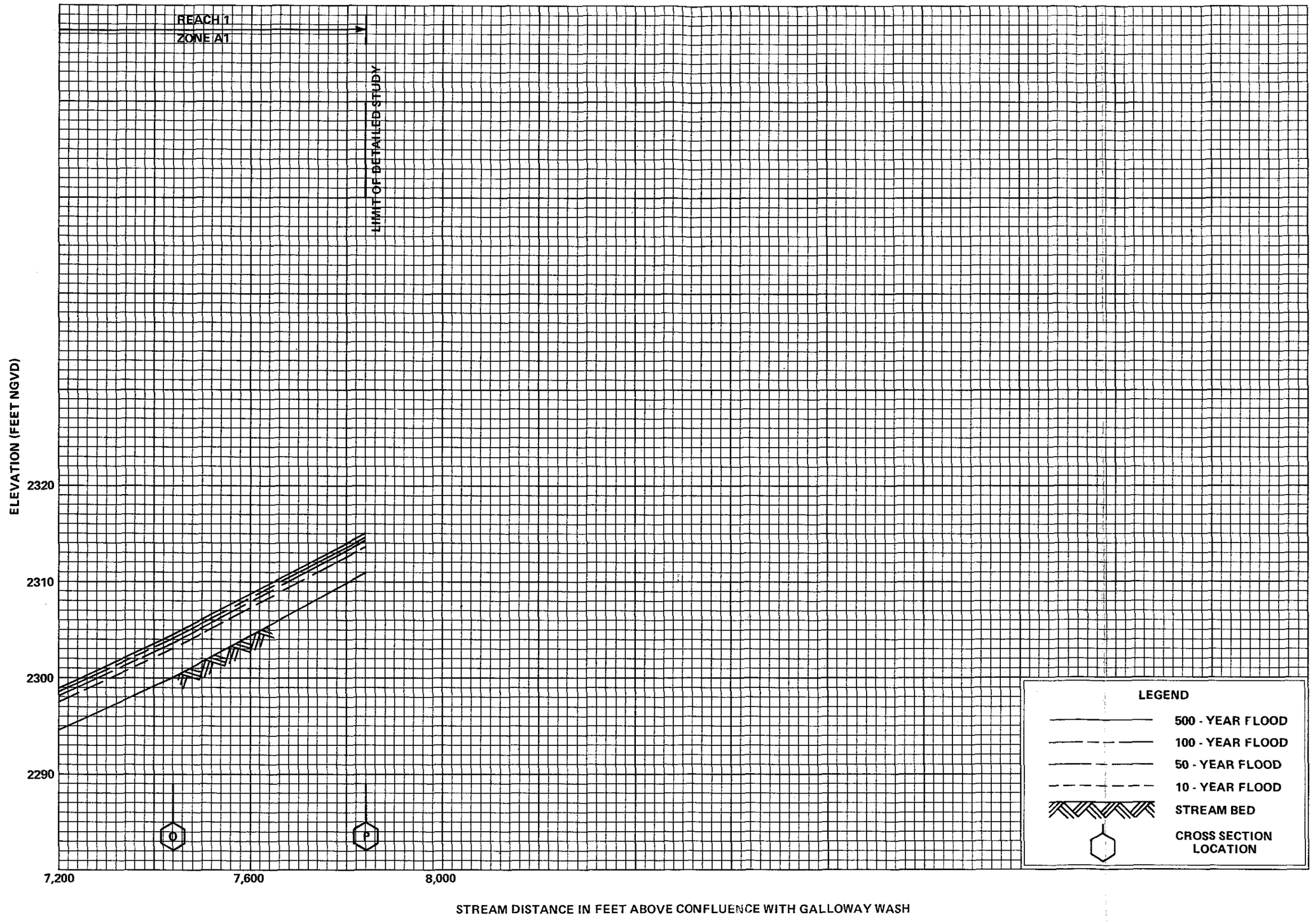


FLOOD PROFILES

ROWE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS



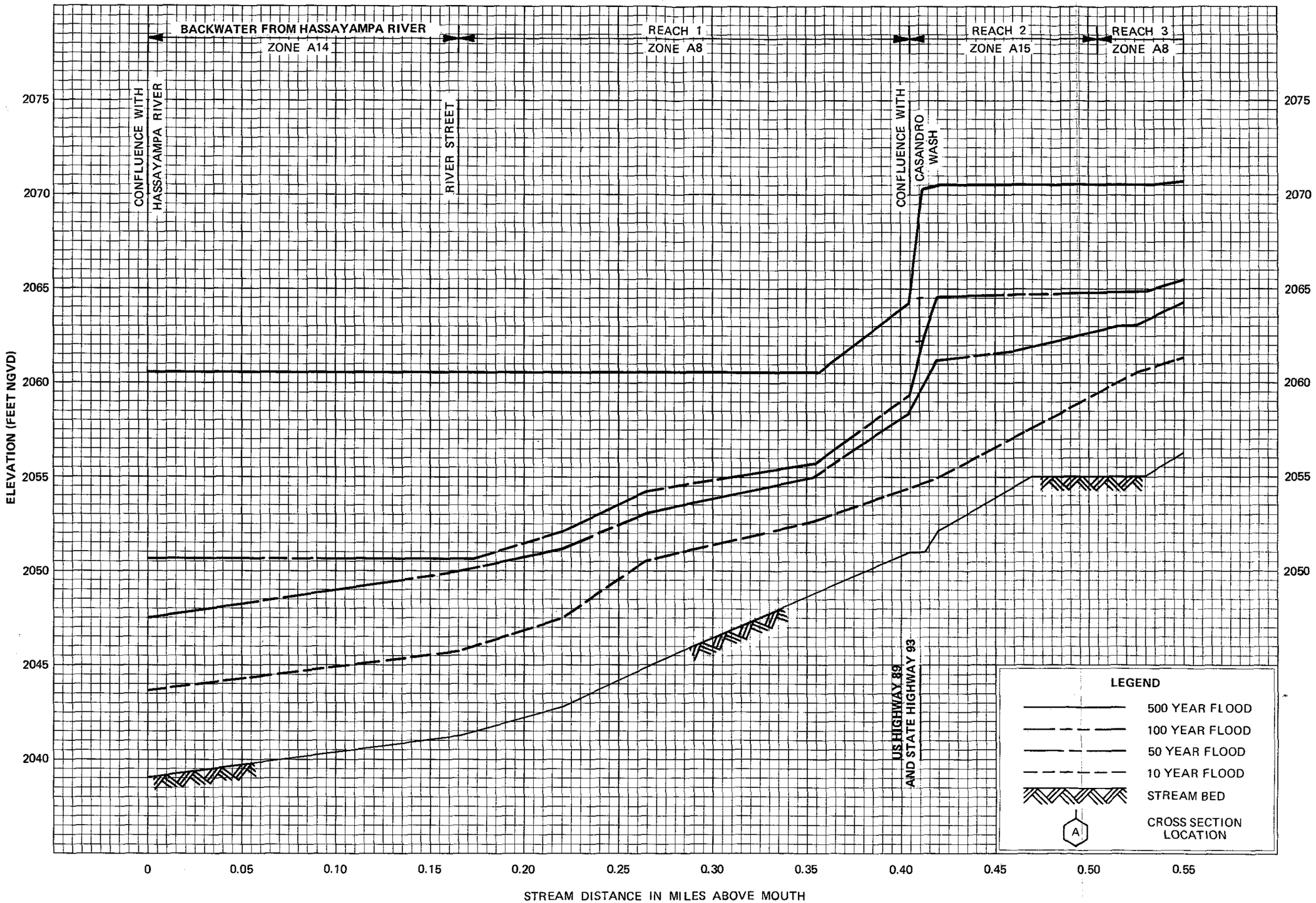
FLOOD PROFILES

ROWE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

200P

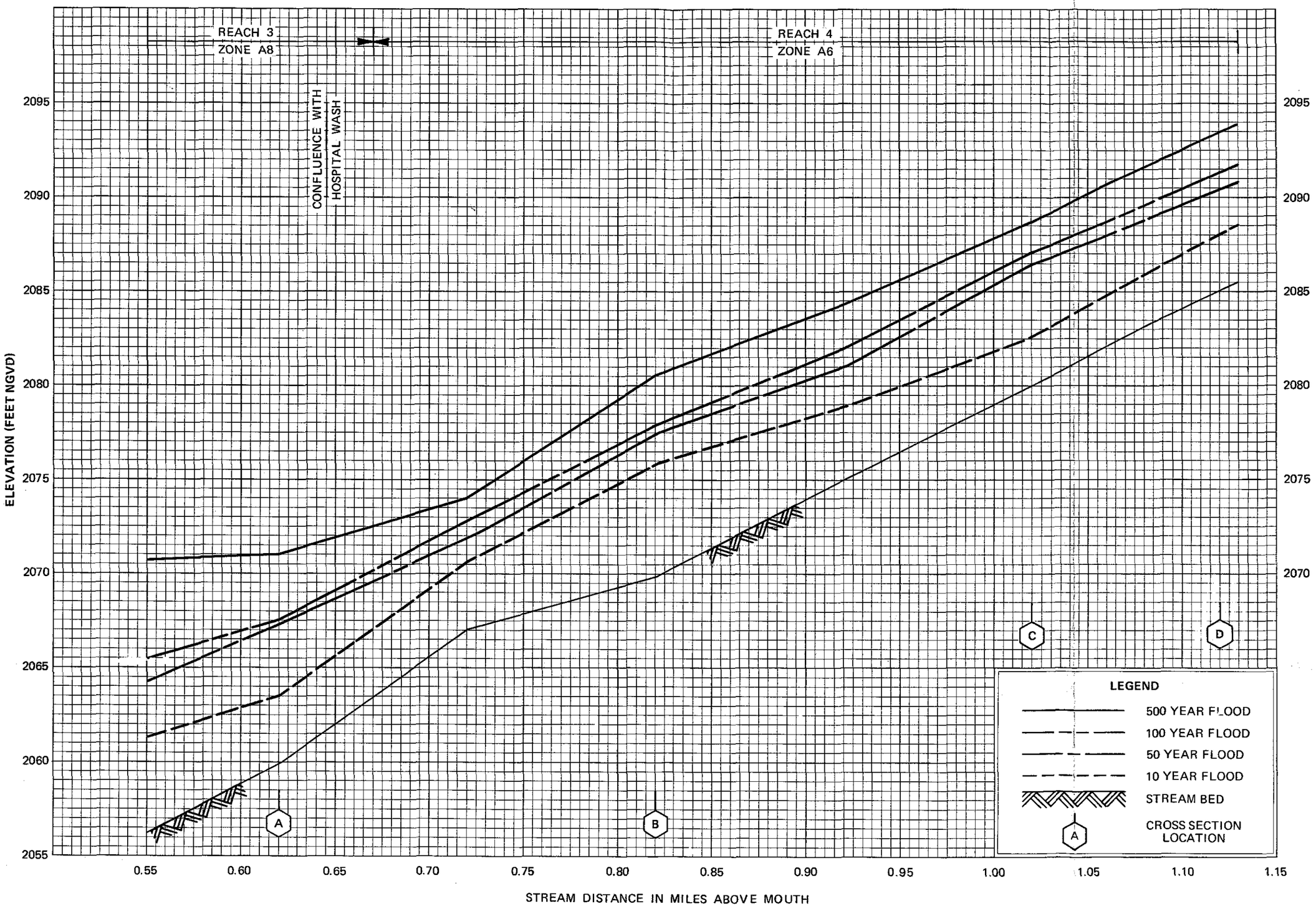


FLOOD PROFILES

SOLS WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

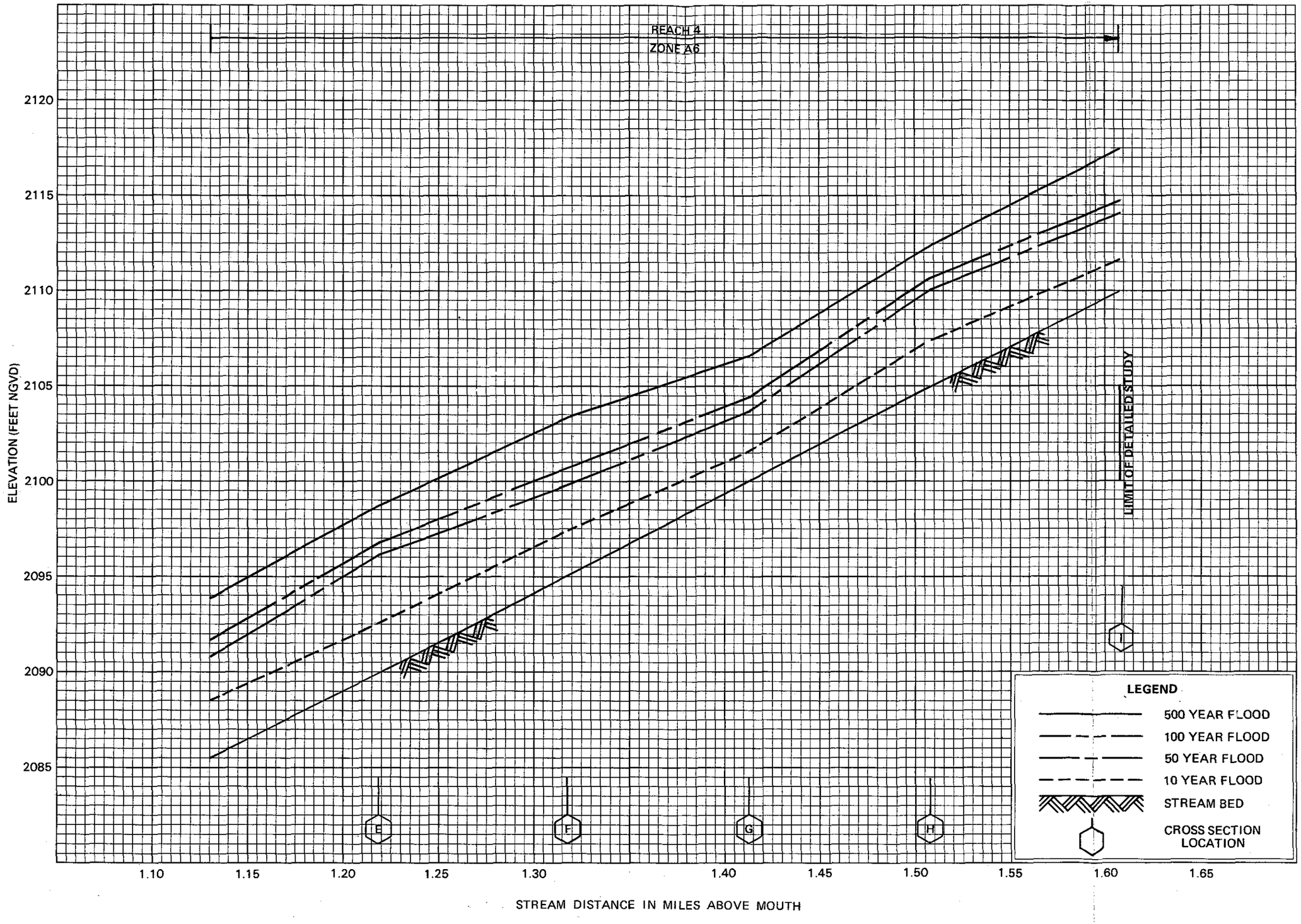


FLOOD PROFILES

SOLS WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

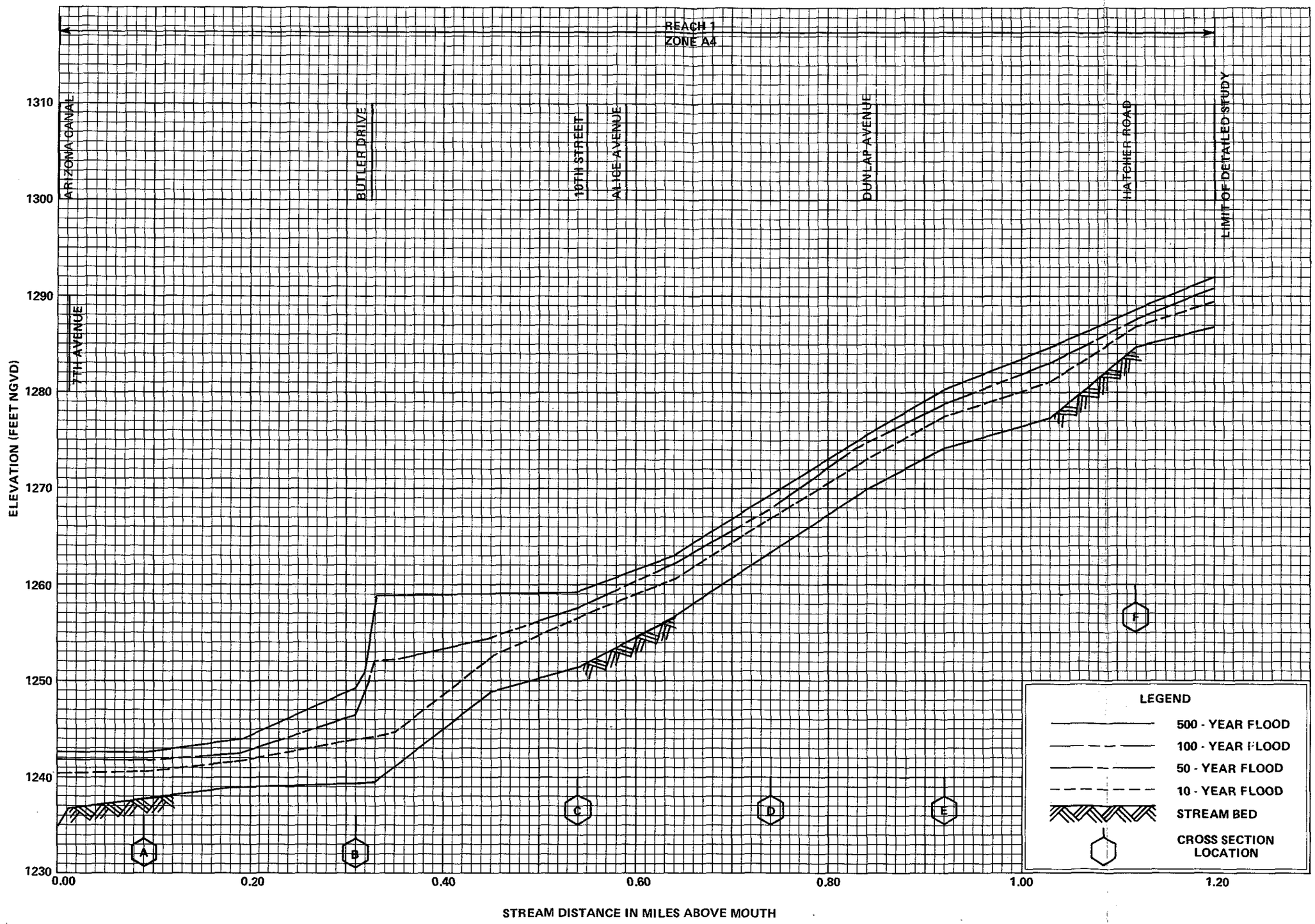


FLOOD PROFILES

SOLS WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

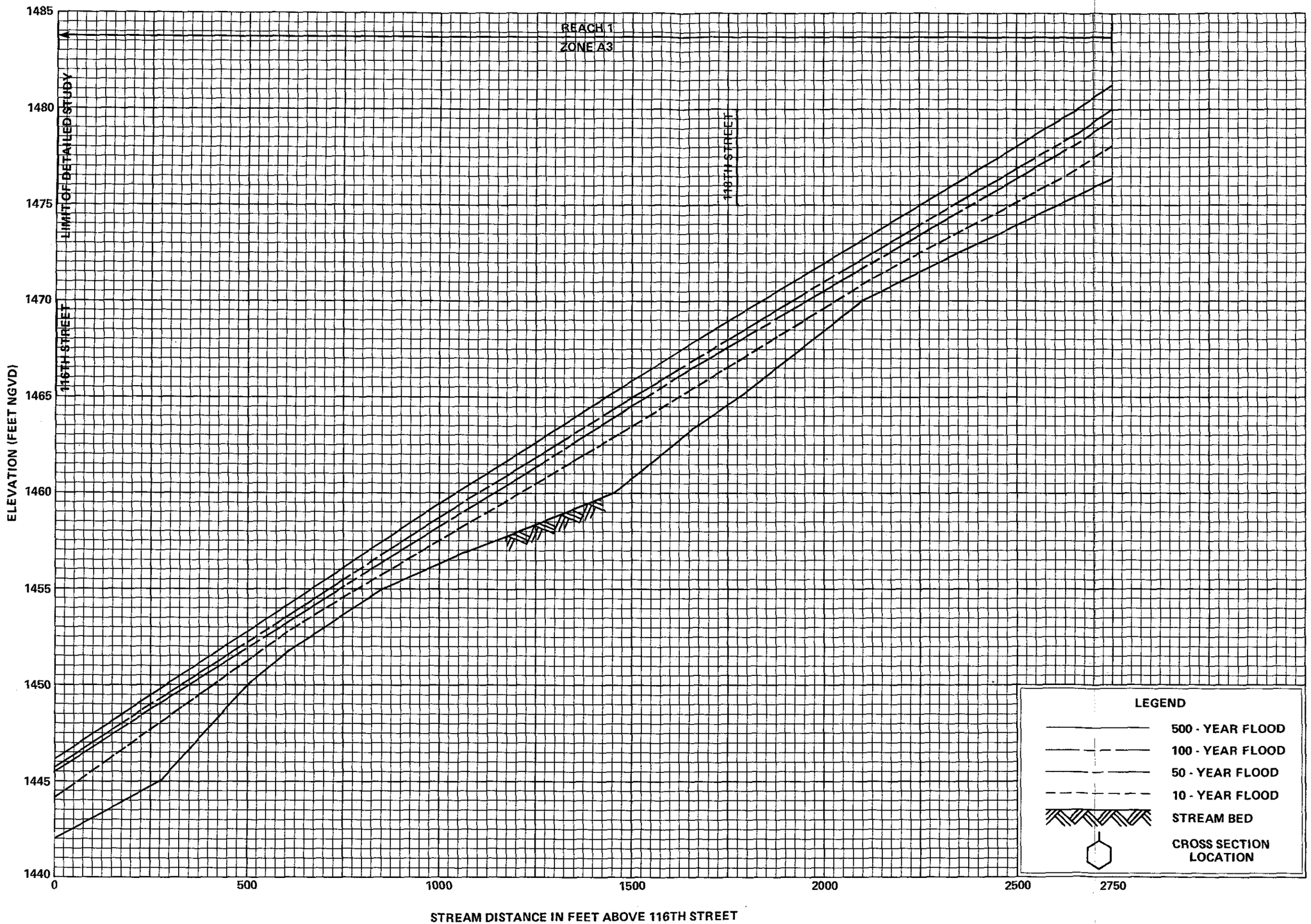


FLOOD PROFILES

TENTH STREET WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

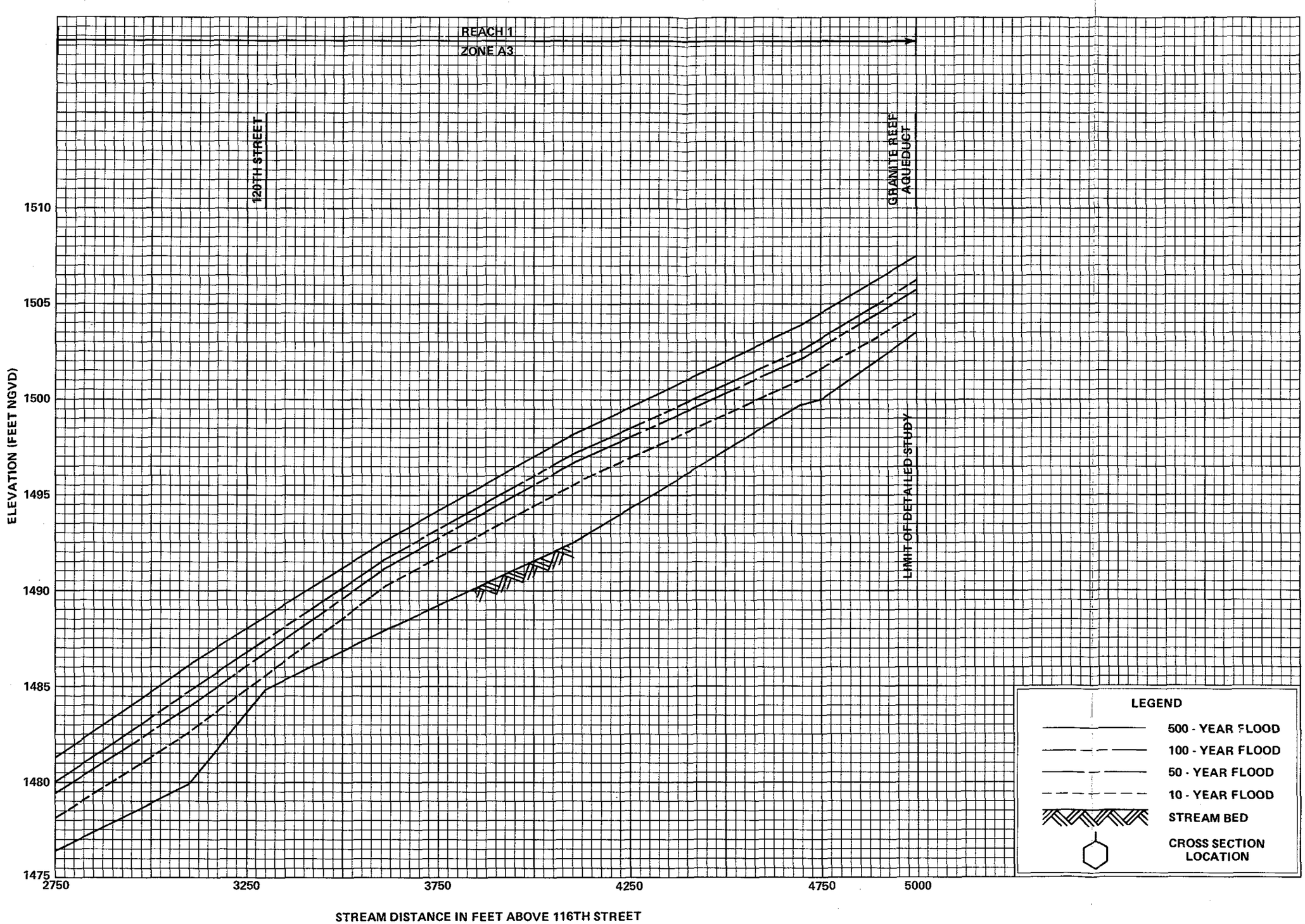


FLOOD PROFILES

WASH "B"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

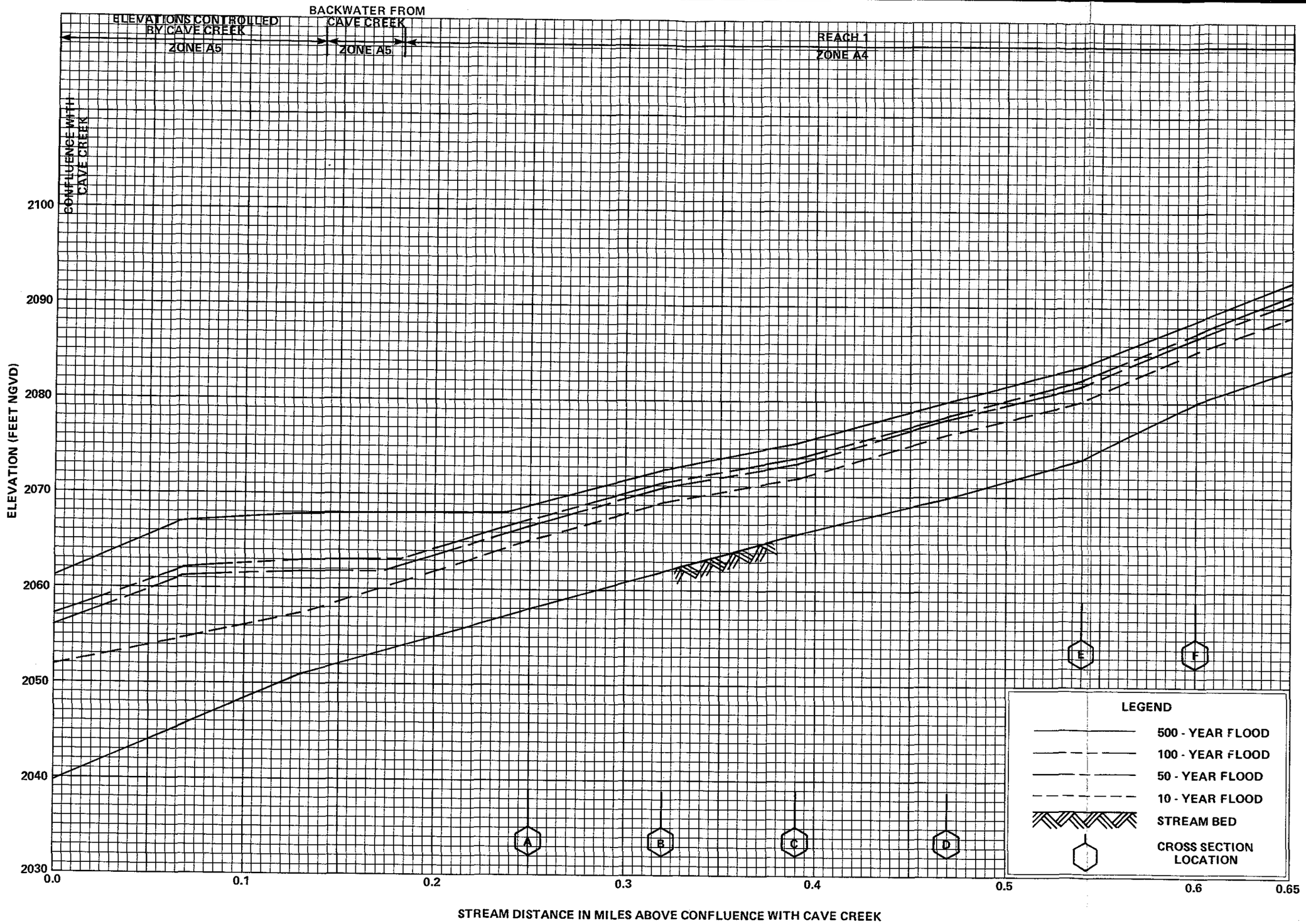


FLOOD PROFILES

WASH "B"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

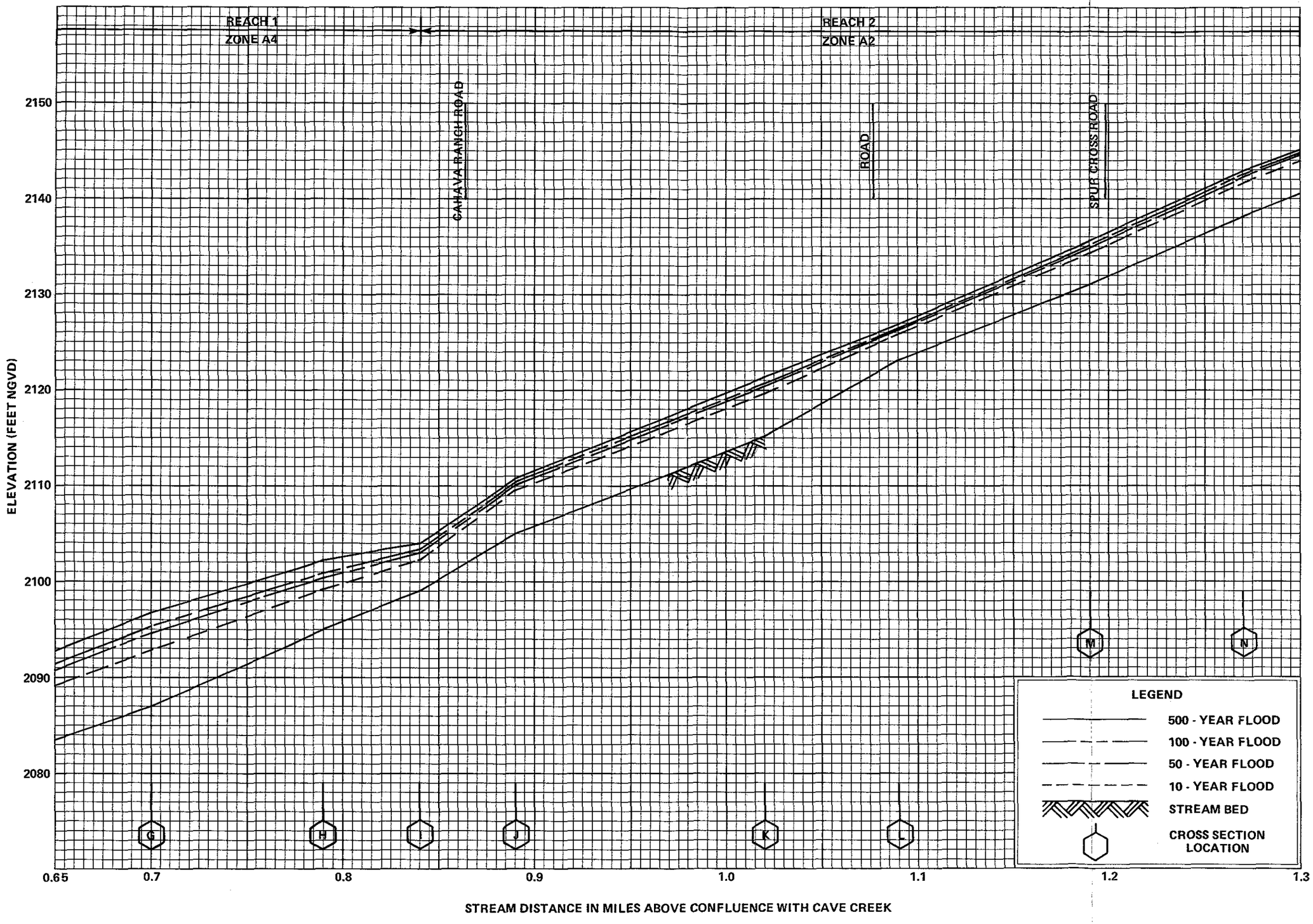


FLOOD PROFILES

WILLOW SPRINGS WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

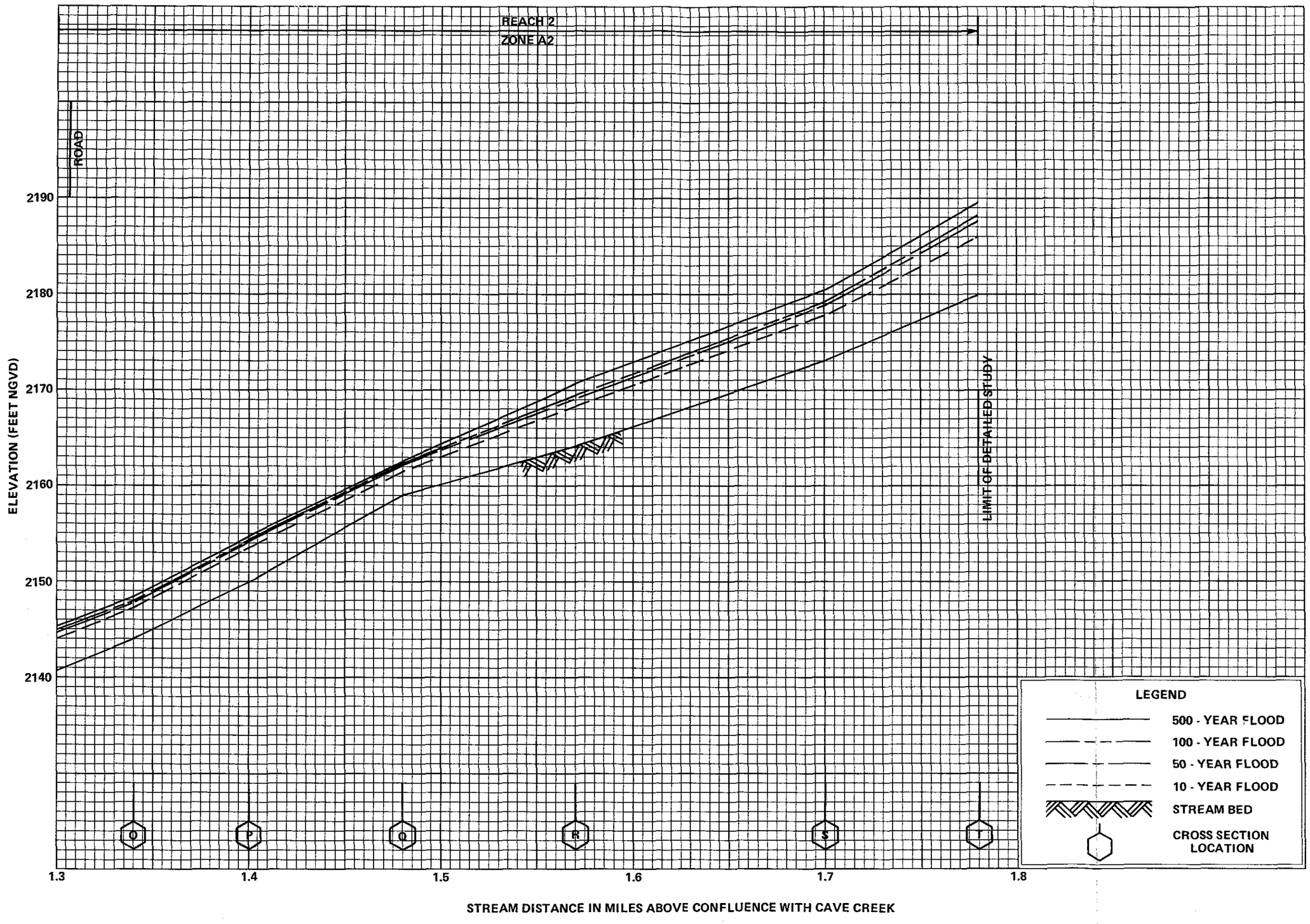


FLOOD PROFILES

WILLOW SPRINGS WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

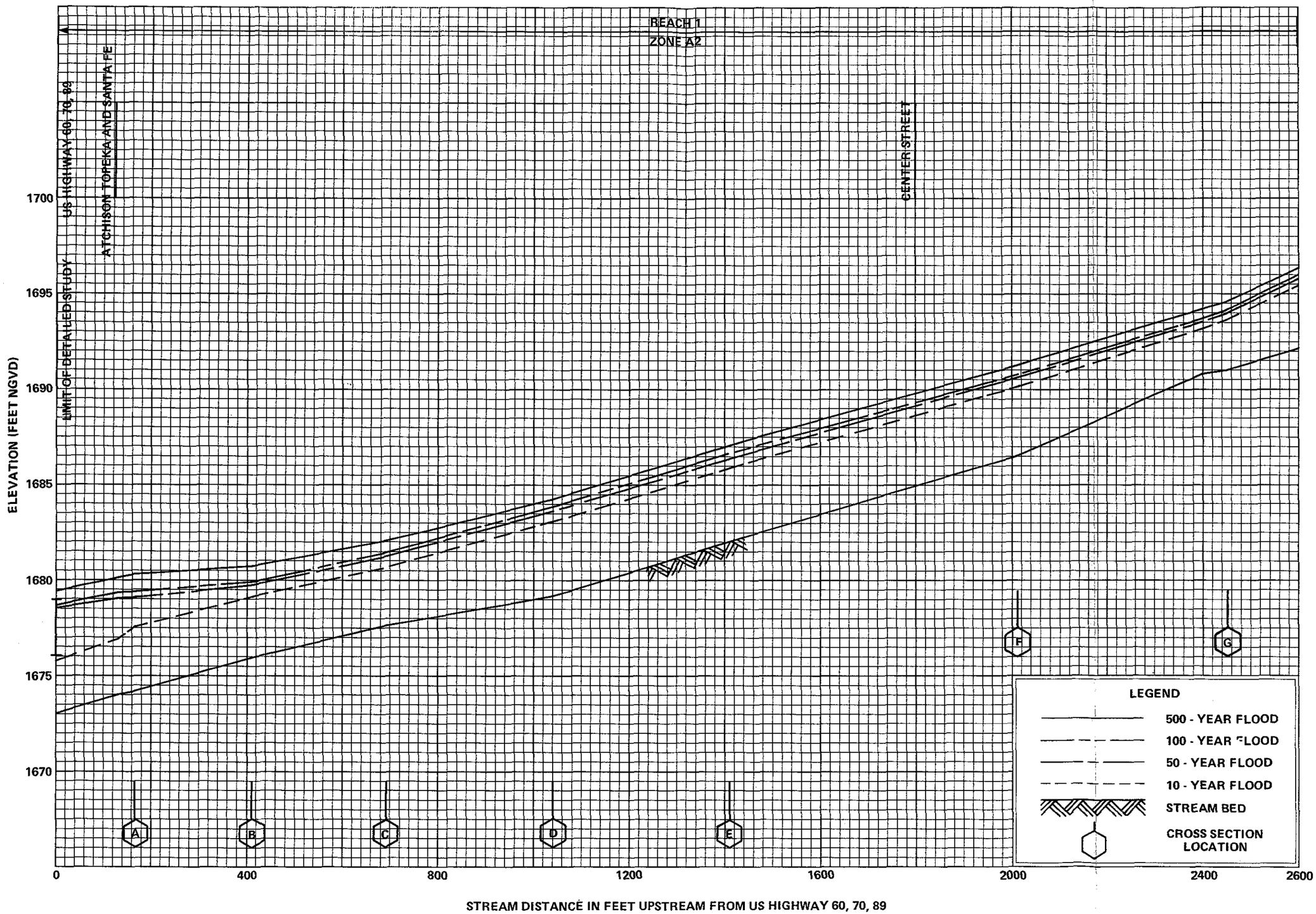


FLOOD PROFILES

WILLOW SPRINGS WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

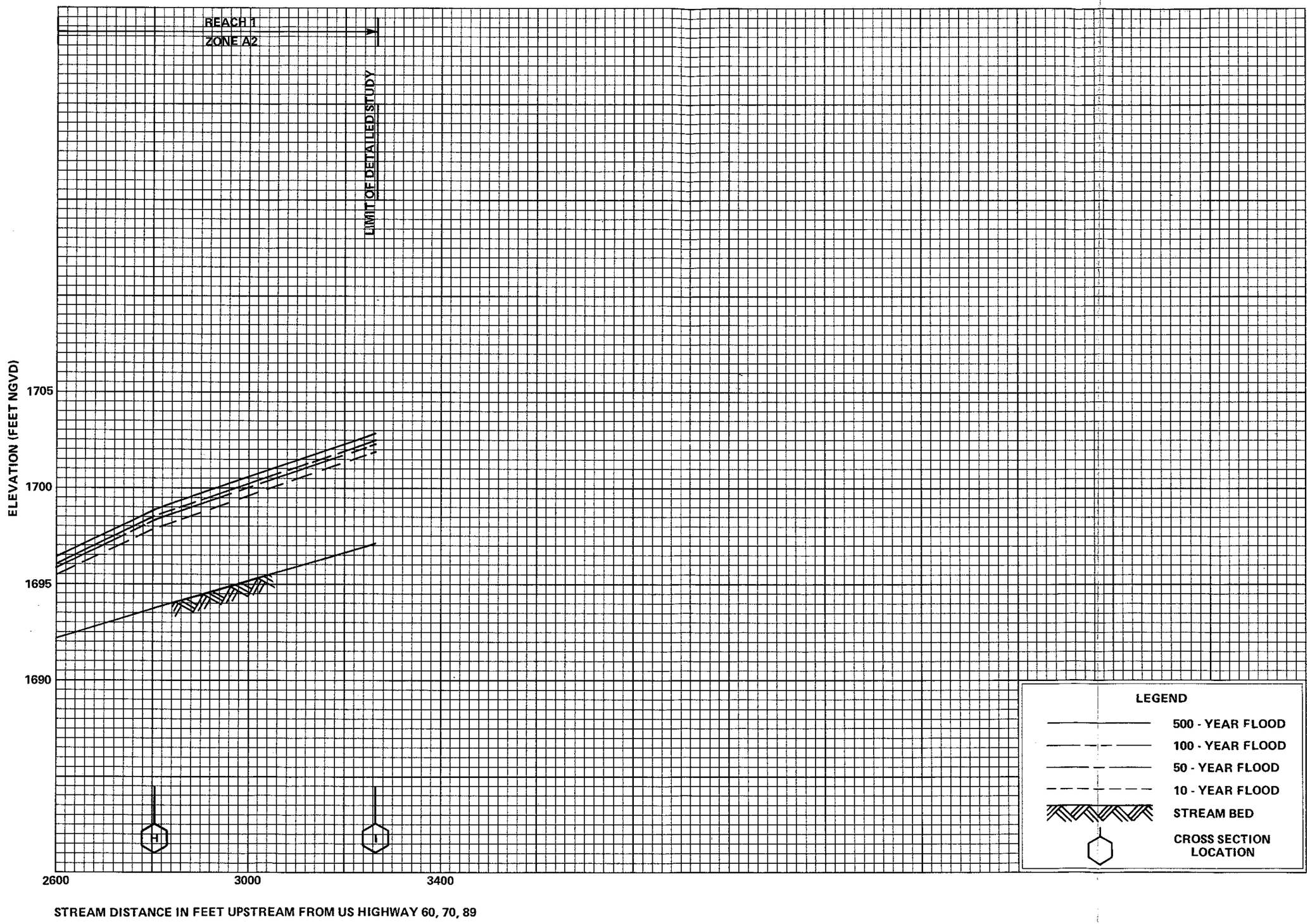


FLOOD PROFILES

WITTMANN DRAINAGE

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

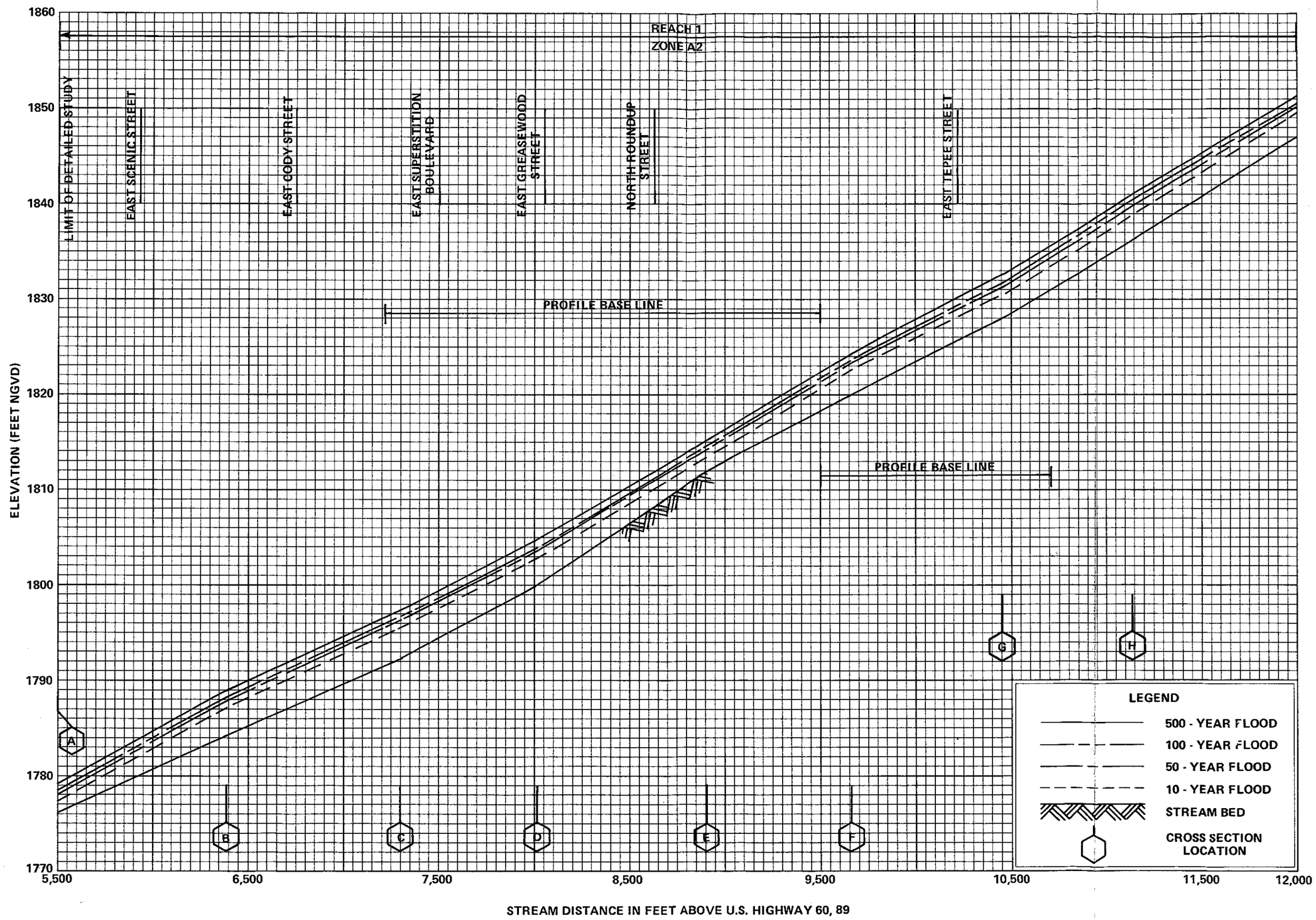


FLOOD PROFILES

WITTMANN DRAINAGE

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

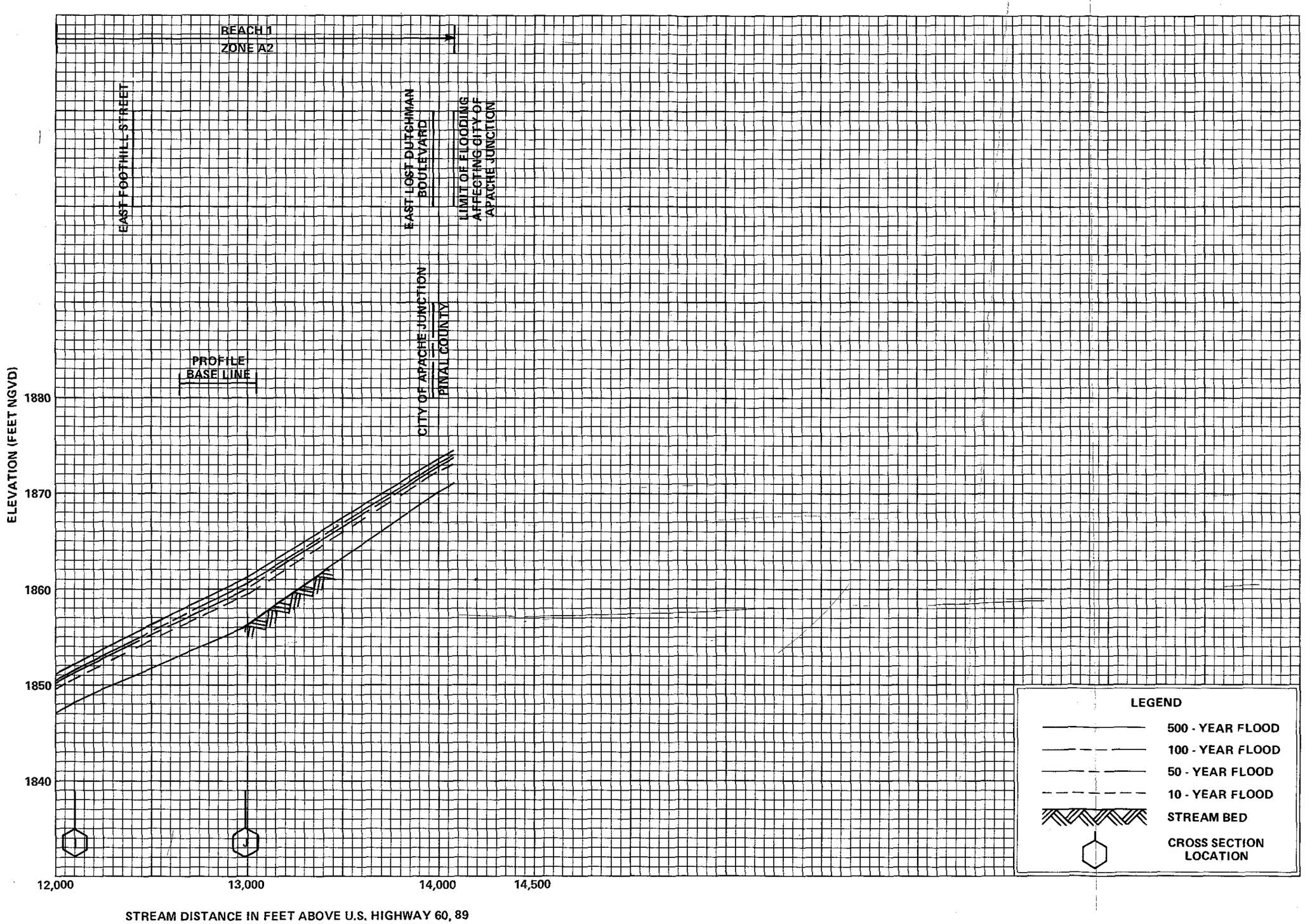


FLOOD PROFILES

WEEKES WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS



FLOOD PROFILES

WEEKES WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Sols Wash (Cont'd)								
BH	29,505	527	1,539	6.7	2,284.7	2,284.7	2,284.8	0.1
BI	30,005	450	1,248	8.3	2,287.8	2,287.8	2,288.0	0.2
BJ	30,575	390	927	11.2	2,291.3	2,291.3	2,291.3	0.0
BK	30,975	442	1,202	8.6	2,295.5	2,295.5	2,295.5	0.0
BL	31,455	381	1,461	7.1	2,298.1	2,298.1	2,298.2	0.1
BM	31,885	278	1,100	9.4	2,300.8	2,300.8	2,301.3	0.5
BN	32,415	295	1,186	8.7	2,305.4	2,305.4	2,305.6	0.2
BO	32,915	231	1,050	9.9	2,307.6	2,307.6	2,307.6	0.0
BP	33,415	287	1,252	8.3	2,310.1	2,310.1	2,310.2	0.1
BQ	33,915	287	1,097	9.5	2,315.4	2,315.4	2,315.5	0.1
BR	34,485	409	1,413	7.3	2,318.2	2,318.2	2,318.5	0.3
BS	34,910	308	1,027	10.1	2,320.4	2,320.4	2,320.4	0.0
BT	35,280	304	1,234	8.4	2,322.7	2,322.7	2,322.8	0.1
BU	35,900	396	1,394	7.4	2,326.9	2,326.9	2,327.0	0.1
BV	36,510	305	1,275	8.1	2,330.2	2,330.2	2,330.8	0.6
BW	37,235	236	1,124	9.2	2,335.8	2,335.8	2,336.0	0.2
BX	37,655	150	907	11.4	2,337.8	2,337.8	2,338.4	0.6
BY	38,135	201	1,025	10.1	2,341.1	2,341.1	2,341.1	0.0
BZ	38,880	415	1,309	7.9	2,345.5	2,345.5	2,345.5	0.0

[1]Stream Distance In Feet Above Confluence With Hassayampa River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SOLS WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Sols Wash (Cont'd)								
CA	39,380	270	1,000	10.4	2,348.7	2,348.7	2,349.4	0.7
CB	39,615	300[2]	608	17.1	2,352.7	2,352.7	2,352.7	0.0
CC	39,665	300[2]	707	14.7	2,353.7	2,353.7	2,354.2	0.5
CD	42,335	781[2]	4,340	2.4	2,369.0	2,369.0	2,369.1	0.1
CE	42,835	657[2]	2,457	4.2	2,369.1	2,369.1	2,369.2	0.1
CF	43,335	476[2]	1,560	6.6	2,370.0	2,370.0	2,370.0	0.0
CG	43,950	300[2]	1,215	8.5	2,372.4	2,372.4	2,372.5	0.1
CH	44,340	259[2]	1,050	9.4	2,376.2	2,376.2	2,376.2	0.0
CI	44,840	480/270[3]	1,922	5.1	2,379.3	2,379.3	2,379.6	0.3
CJ	45,340	596/400[3]	1,503	6.6	2,380.8	2,380.8	2,380.9	0.1
CK	45,840	681/400[3]	1,503	6.3	2,383.3	2,383.3	2,383.4	0.1
CL	46,350	638/0[2]	1,476	5.6	2,386.2	2,386.2	2,386.5	0.3

[1]Feet Above Confluence With Hassayampa River
[2]Floodway Lies Entirely Outside County Limits
[3]Width/Width Within County

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SOLS WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION[2] AREA (SQUARE FEET)	MEAN[2] VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Tenth Street Wash								
A	0.09	1,590	--[2]	--[2]	1,241.8	1,241.8	1,242.8	1.0
B	0.31	370	--[2]	--[2]	1,246.5	1,246.5	1,247.4	0.9
C	0.54	530	--[2]	--[2]	1,257.6	1,257.6	1,258.5	0.9
D	0.74	400	--[2]	--[2]	1,267.7	1,267.7	1,268.7	1.0
E	0.92	140	--[2]	--[2]	1,278.6	1,278.6	1,279.6	1.0
F	1.12	260	--[2]	--[2]	1,287.5	1,287.5	1,288.5	1.0
G	1.37	80	--[2]	--[2]	1,297.3	1,297.3	1,298.3	1.0
H	1.50	250	--[2]	--[2]	1,306.0	1,306.0	1,306.0	0.0

[1]Miles Above Mouth [2]Data Not Available

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

TENTH STREET WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Willow Springs Wash								
A	0.25	82	496	12.6	2,067.3	2,067.3	2,067.3	0.0
B	0.32	77	551	11.3	2,071.4	2,071.4	2,071.4	0.0
C	0.39	60	412	15.1	2,074.0	2,074.0	2,074.0	0.0
D	0.47	65	445	14.1	2,078.6	2,078.6	2,078.6	0.0
E	0.54	59	413	15.2	2,082.3	2,082.3	2,082.3	0.0
F	0.60	78	454	13.8	2,087.4	2,087.4	2,087.4	0.0
G	0.70	109	524	12.0	2,095.3	2,095.3	2,095.3	0.0
H	0.79	183	756	8.4	2,100.8	2,100.8	2,100.8	0.0
I	0.84	260	459	10.5	2,103.3	2,103.3	2,103.3	0.0
J	0.89	292	725	6.6	2,110.3	2,110.3	2,110.3	0.0
K	1.02	177	588	8.2	2,120.7	2,120.7	2,120.7	0.0
L	1.09	279	656	7.3	2,126.5	2,126.5	2,126.5	0.0
M	1.19	332	698	6.9	2,135.1	2,135.1	2,135.1	0.0
N	1.27	299	660	7.3	2,142.3	2,142.3	2,142.3	0.0
O	1.34	346	732	6.6	2,147.8	2,147.8	2,147.8	0.0
P	1.40	429	745	6.4	2,154.4	2,154.4	2,154.4	0.0
Q	1.48	403	709	6.8	2,162.2	2,162.2	2,162.2	0.0
R	1.57	160	494	9.7	2,169.4	2,169.4	2,169.4	0.0
S	1.70	78	373	12.9	2,179.2	2,179.2	2,179.2	0.0
T	1.78	53	337	14.3	2,188.4	2,188.4	2,188.4	0.0

[1]Miles Above Confluence With Cave Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WILLOW SPRINGS WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Weekes Wash								
A	5,500	439	807	8.5	1,778.3	1,778.3	1,779.0	0.7
B	6,380	220	818	8.4	1,788.1	1,788.1	1,789.1	1.0
C	7,290	297	867	7.9	1,796.5	1,796.5	1,797.4	0.9
D	8,010	725	1,352	5.1	1,803.9	1,803.9	1,804.2	0.3
E	8,910	793	1,139	6.0	1,814.5	1,814.5	1,815.3	0.8
F	9,660	267	807	8.5	1,823.5	1,823.5	1,824.4	0.9
G	10,460	199	767	8.9	1,831.7	1,831.7	1,832.6	0.9
H	11,140	320	854	8.0	1,840.2	1,840.2	1,840.3	0.1
I	12,090	449	962	7.1	1,851.3	1,851.3	1,852.3	1.0
J	12,990	385	1,046	6.5	1,860.3	1,860.3	1,861.2	0.9

[1]Feet Above U.S. Highway 60/89

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

WEEKES WASH

The floodways for Little San Domingo, Mockingbird, and Powder House Washes are shown coincident with the 100-year flood plain boundaries because of high, hazardous velocities in their respective flood plains.

No floodway was computed for Wash B downstream of Granite Reef Aqueduct. Also, no floodway was computed for Cave Creek below Arizona Canal.

No floodway was computed for Wittmann Drainage due to the split flow below Center Street.

Floodways for Grass Wash below the U.S. Highway 60 bridge and for Aguila Farm Channel were not computed due to excessive overbank losses.

Floodways are not applicable for areas of shallow flooding; therefore, floodways were not computed for any of the canals, railroad embankments, or for San Tank and Bender Washes, Rodeo Wash and its tributary, Airport and Scott Avenue Washes, Lower El Mirage Wash Tributary, and Apache Creek.

The area between the floodway and 100-year flood plain boundaries is termed the floodway fringe. The floodway fringe encompasses the portion of the flood plain that could be completely obstructed without increasing the water-surface elevation of the 100-year flood by more than 1.0 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to flood plain development are shown in Figure 7.

5.0 INSURANCE APPLICATION

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 100-year floodplains that are determined in the Flood Insurance Study by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no base flood elevations or depths are shown within this zone.

Zone AE:

Zone AE is the flood insurance rate zone that corresponds to the 100-year floodplains that are determined in the Flood Insurance Study by detailed methods. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zone AH:

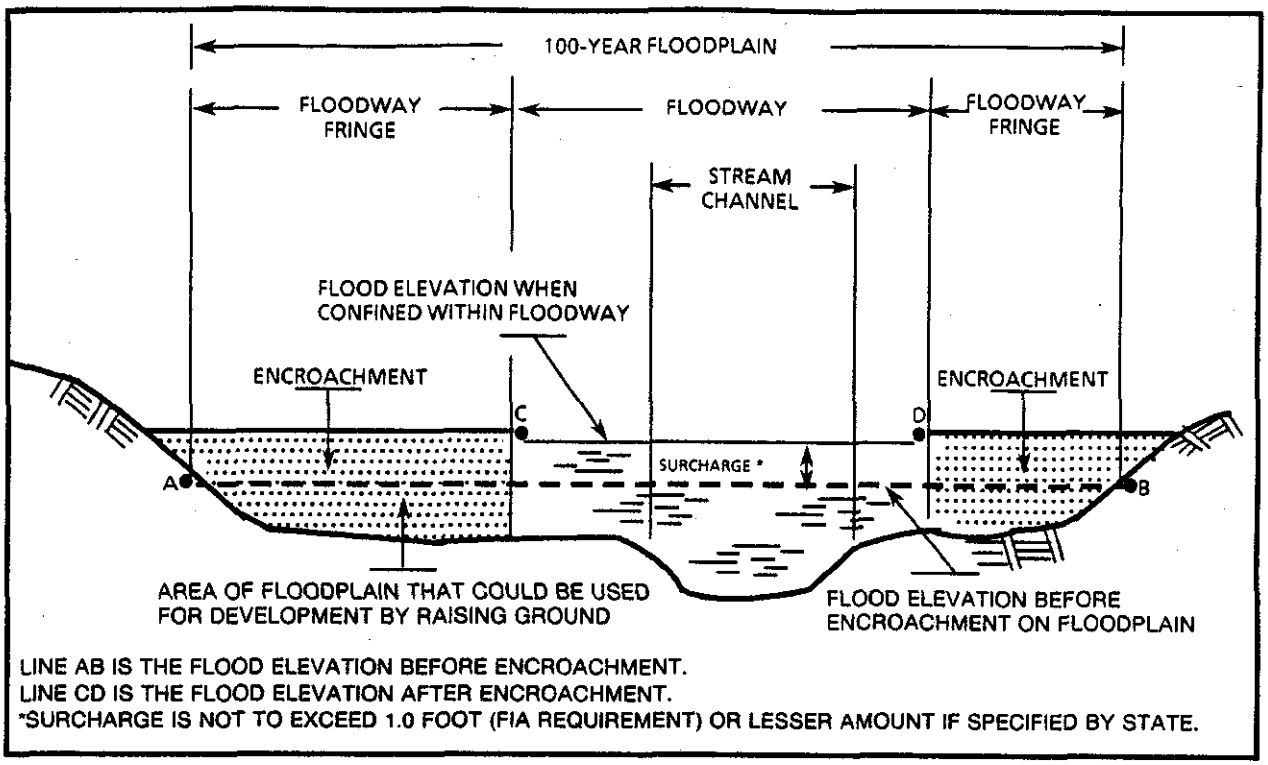


Figure 7. Floodway Schematic

Zone AH is the flood insurance rate zone that corresponds to the areas of 100-year shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Zones A1-A15, A17, A19, and A23:

Special Flood Hazard Areas inundated by the 100-year flood; with base flood elevations shown.

Zone B:

Areas between the Special Flood Hazard Areas and the limits of the 500-year flood; areas that are protected from the 100- or 500-year floods by dike, levee, or other local water-control structure; areas subject to certain types of 100-year shallow flooding where depths are less than 1.0 foot; and areas subject to 100-year flooding from sources with drainage areas less than 1 square mile. Zone B is not subdivided.

Zone C:

Areas of minimal flood hazard; not subdivided.

Zone X:

Zone X is the flood insurance rate zone that corresponds to areas outside the 500-year floodplain, areas within the 500-year floodplain, areas of 100-year flooding where average depths are less than 1 foot, areas of 100-year flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 100-year flood by levees. No base flood elevations or depths are shown within this zone.

Zone D:

Areas of undetermined, but possible flood hazard.

For all irrigation canals, Zone A is designated for the upslope side of canals and Zone B for the downslope. Alluvial fan flood hazard areas are shown on the Flood Insurance Rate Map (published separately) as AO zones, with average depths and velocities of flow given. In these areas, depths of the 100-year flood may exceed 3 feet. Development on alluvial fans is subject to a more severe flood hazard than would normally be encountered in an AO zone due to high velocities and unpredictability of the location of the stream channel across the width of the fan.

6.0 FLOOD INSURANCE RATE MAP

The Flood Insurance Rate Map 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 100-year floodplains that were studied by detailed methods, shows selected whole-foot base flood elevations or average depths. Insurance agents use the zones and base flood elevations 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 100- and 500-year floodplains, the floodways, and the locations of selected cross sections used in the hydraulic analyses and floodway computations.

7.0 OTHER STUDIES

Flood Insurance Studies have been published for the following: City of Apache Junction (Reference 1), City of Avondale (Reference 2), Town of Buckeye (Reference 3), Town of Carefree (Reference 4), City of Chandler (Reference 5), Town of El Mirage (Reference 6), Town of Gila Bend (Reference 7), Town of Gilbert (Reference 8), City of Glendale (Reference 9), Town of Goodyear (Reference 10), City of Mesa (Reference 11), City of Peoria (Reference 13), City of Phoenix (Reference 14), City of Tempe (Reference 17), City of Scottsdale

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISION DATE(S)	FIRM EFFECTIVE DATE	FIRM REVISION DATE(S)
Apache Junction, City of	June 10, 1980		September 30, 1982	
Avondale, City of	February 15, 1974	January 16, 1976	June 15, 1979	August 3, 1982
Buckeye, Town of	February 15, 1980		February 15, 1980	
Carefree, Town of	July 2, 1979		July 2, 1979	
Cave Creek, Town of	(Not Previously Identified)			
Chandler, City of	May 24, 1977	January 17, 1978	July 16, 1980	
El Mirage, City of	February 15, 1974		December 1, 1978	
Gila Bend, Town of	January 23, 1974	December 24, 1976	December 4, 1979	
Gilbert, Town of	April 5, 1974	October 15, 1976	January 16, 1980	September 30, 1983
Glendale, City of	July 26, 1974	April 9, 1976	April 16, 1979	September 22, 1981
Goodyear, Town of	March 15, 1974	April 30, 1976	July 16, 1979	October 18, 1983
Guadalupe, Town of	(Not Previously Identified)			
Litchfield Park, City of	(Not Previously Identified)			
Mesa, City of	April 13, 1973	April 22, 1977	May 15, 1980	
Paradise Valley, Town of	December 7, 1973	May 21, 1976	May 1, 1980	June 3, 1986
Peoria, Town of	September 4, 1979		September 4, 1979	January 16, 1981
Phoenix, City of	June 28, 1974	September 12, 1975	December 4, 1979	June 1, 1984
Scottsdale, City of	September 21, 1973		September 21, 1973	December 4, 1984
Surprise, Town of	June 28, 1974	December 5, 1975	December 15, 1978	March 1, 1983
Tempe, City of	June 28, 1974	September 5, 1975	August 15, 1980	December 14, 1982
Tolleson, City of	April 12, 1974	December 19, 1975	January 16, 1978	
Wickenburg, Town of	February 1, 1974	October 10, 1975	January 5, 1978	March 29, 1983
Youngtown, Town of	December 28, 1973		November 15, 1978	
Unincorporated Areas	July 2, 1979		July 2, 1979	

TABLE 6

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY,AZ
AND INCORPORATED AREAS

COMMUNITY MAP HISTORY

(Reference 15), City of Tolleson (Reference 18), Town of Surprise (Reference 16), Town of Wickenburg (Reference 19), Town of Youngtown (Reference 20), and the unincorporated areas of Maricopa County (Reference 53). Information from all of these studies has been incorporated into this study.

Flood Insurance Studies have been published for adjacent areas of La Paz County (Reference 54), Yavapai County (Reference 55), and Yuma County (Reference 56), Revised Flood Insurance Studies are being prepared for Pinal County (Reference 59) and Pima County (Reference 58). Approximate flooding areas in Yavapai and Pinal Counties were not studied in Maricopa County. All other county studies are in agreement with this study.

8.0 LOCATION OF DATA

Information concerning the pertinent data used in the preparation of this study can be obtained by contacting the Natural and Technological Hazards Division, FEMA, Building 105, Presidio of San Francisco, San Francisco, California 94129.

9.0 BIBLIOGRAPHY AND REFERENCES

1. Federal Emergency Management Agency, Flood Insurance Study, City of Apache Junction, Arizona, September 30, 1982

2. Federal Emergency Management Agency, Flood Insurance Study, City of Avondale, Arizona, Revised August 3, 1982

3. Federal Emergency Management Agency, Flood Insurance Study, Town of Buckeye, Arizona, February 15, 1980

4. Federal Emergency Management Agency, Flood Insurance Study, Town of Carefree, Arizona, unpublished

5. Federal Emergency Management Agency, Flood Insurance Study, City of Chandler, Arizona, July 16, 1980

6. U.S. Department of Housing and Urban Development, Federal Insurance Administration, Flood Insurance Study, Town of El Mirage, Arizona, December 1, 1978

7. Federal Emergency Management Agency, Flood Insurance Study, Town of Gila Bend, Arizona, December 4, 1979

8. Federal Emergency Management Agency, Flood Insurance Study, Town of Gilbert, Arizona, Revised September 30, 1983

9. Federal Emergency Management Agency, Flood Insurance Study, City of Glendale, Arizona, Revised September 22, 1981

10. Federal Emergency Management Agency, Flood Insurance Study, Town of Goodyear, Arizona, Revised October 18, 1983

11. Federal Emergency Management Agency, Flood Insurance Study, City of Mesa, Arizona, May 15, 1980

12. Federal Emergency Management Agency, Flood Insurance Study, Town of Paradise Valley, Revised June 3, 1986

13. Federal Emergency Management Agency, Flood Insurance Study, City of Peoria, Arizona, Revised January 16, 1981

14. Federal Emergency Management Agency, Flood Insurance Study, City of Phoenix, Arizona, Revised June 1, 1984

15. Federal Emergency Management Agency, Flood Insurance Study, City of Scottsdale, Arizona, Revised December 4, 1984

16. Federal Emergency Management Agency, Flood Insurance Study, Town of Surprise, Arizona, Revised March 1, 1983

17. Federal Emergency Management Agency, Flood Insurance Study, City of Tempe, Arizona, Revised December 14, 1982

18. Federal Emergency Management Agency, Flood Insurance Study, City of Tolleson, Arizona, January 16, 1980

19. Federal Emergency Management Agency, Flood Insurance Study, Town of Wickenburg, Arizona, Revised March 24, 1983

20. U.S. Department of Housing and Urban Development, Federal Insurance Administration, Flood Insurance Study, Town of Youngtown, Arizona, November 15, 1978

21. Greiner Engineering Sciences, Request for Map Amendment, Summer Place Subdivision, Mesa, Arizona, August 16, 1984

22. Engineering and Surveying of Arizona, Inc., Request for Map Amendment, Pueblo El Mirage RV. Resort, El Mirage, Arizona, April 24, 1986

23. Harris-Toups Associates, City of Chandler, Arizona, Flood Insurance Rate Map Worksheet, November 15, 1984

24. Erie and Associates, Inc., Flood Insurance Rate Map Amendment Hydraulic Analysis for Coral Gables Estates Unit Six Subdivision, Phoenix, Arizona, November 1985

25. U.S. Department of the Interior, Geological Survey, Water Data Report AZ-80-1, Water Resources Data for Arizona, Water Year 1980, 1982

26. U.S. Department of the Army, Corps of Engineers, Los Angeles District, Flood Plain Information, Agua Fria River, Maricopa County, Arizona, March 1968

27. U.S. Department of the Army, Corps of Engineers, Los Angeles District, Flood Plain Information, Maricopa County, Arizona, Volume V, New River Report, April 1967

28. U.S. Department of the Interior, Geological Survey, Miscellaneous Investigations Series, Index and Description of Flood-Prone Area Maps in the Tucson-Phoenix Area, Arizona, E.S. Davidson, 1973

29. U.S. Department of the Army, Corps of Engineers, Los Angeles District, Flood Plain Information, Hassayampa River, Vicinity of Wickenburg, Arizona, April 1972

30. U.S. Department of the Interior, Geological Survey, Delineation of Flood Hazards in the Marana Quadrangle, Pima County, Arizona, B.N. Aldridge and D.E. Burkham, 1974

31. U.S. Department of the Army, Corps of Engineers, South Pacific Division, Water Resources Development by the U.S. Army Corps of Engineers in Arizona, January 1979

32. U.S. Department of the Army, Corps of Engineers, Los Angeles District, Design Memorandum No. 2, Hydrology, Part 1, Gila River Basin, New River and Phoenix City Streams, Arizona, October 1974

33. U.S. Department of the Army, Corps of Engineers, Gila River Basin, Phoenix, Arizona and Vicinity (Including New River), Design Memorandum No. 2 Hydrology Part 2, April 1982

34. U.S. Department of the Army, Corps of Engineers, Gila River and Tributaries, Central Arizona Water Control Study, Hydrology, May 1982

35. U.S. Department of Agriculture, Soil Conservaton Service, Technical Report No. 20 Computer Programs for Project Formulation--Hydrology, May 1965

36. U.S. Department of Agriculture, Soil Conservation Service, Technical Release No. 55, Urban Hydrology for Small Watersheds, January 1975

37. PRC Toups, Hydrology Report, Sols Wash, Town of Wickenburg, Arizona, 1981.

38. U.S. Department of Agriculture, Soil Conservation Service, National Engineering Handbook, Section 4, Hydrology, 1972

39. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, Precipitation-Frequency Atlas of the Western United States, Volume VIII-Arizona, 1973

40. U.S. Department of Agriculture, Soil Conservation Service, Arizona General Soil Map, Scale 1:1,000,000, July 1975

41. U.S. Department of Agriculture, Soil Conservation Service, Selected Soil Features and Interpretations for Major Soils of Arizona, December 1975

42. U.S. Department of Agriculture, Soil Conservation Service, Watershed Work Plan - Wickenburg Watershed, Maricopa and Yavapai Counties, Arizona, 1974

43. U.S. Department of Agriculture, Soil Conservation Service, General Soil Map of Maricopa County, Arizona, 1973

44. U.S. Department of Agriculture, Soil Conservation Service, Soil Survey of Yavapai County, Arizona (western part), 1976

45. U.S. Department of the Army, Corps of Engineers, Hydrologic Engineering Center, HEC-2 Water Surface Profiles, Generalized Computer Program, Davis, California, October 1973

46. Harris-Toups Associates, Topographic Maps, Scale 1:4,800, Contour Interval 4 feet, 1976

47. City of Phoenix, Topographic Maps, Scale 1:1,200, Contour Interval 2 Feet, 1967

48. Aerial Mapping of Phoenix, Arizona, Topographic Maps, Scale 1:3,600, Contour Interval 4 Feet: East Fork Cave Creek and Cave Creek, March 1980

49. Aerial Mapping of Phoenix, Arizona, Topographic Maps, Scale 1:2,400, Contour Interval 2 Feet: Cave Creek, March 1978

50. U.S. Department of the Army, Corps of Engineers, Los Angeles District, Flood Plain Information, Maricopa County, Arizona, Volume IV, Wickenburg, December 1965

51. Arizona Department of Transportation, Salt River Topographic Map, Scale 1:2,400, Contour Interval 5 feet, October 1982

52. City of Phoenix, Salt River Topographic Map, Scale 1:2,400, Contour Interval 4 feet, January 1983

53. Cooper Aerial Survey, Topographic Maps for Sols Wash, Scale 1:2,400; Contour Interval: 2 feet, March 1986.

54. U.S. Department of the Army, Corps of Engineers, Topographic Map for Area South of U.S. Highway 60 and West of Country Club Drive, Scale 1:6,000, Contour Interval 4 feet, 1976

55. Aerial Mapping Company, Topographic Maps, Scale 1:2,400, Contour Interval 4 feet, 1979

56. U.S. Department of the Army, Corps of Engineers, Los Angeles District, Flood Plain Information, Maricopa County, Arizona, Volume II, Cave Creek, November 1964

57. U.S. Department of the Interior, Geological Survey, Maps of Flood-Prone Areas, 1969-1972, Scale 1:24,000, Contour Interval 20 Feet: Phoenix, Arizona (1969, 1972)

58. U.S. Department of the Interior, Geological Survey, Slope Maps of Selected Maricopa County Quadrangles, Scale 1:6,000, Contour Interval 5 Feet, 1974-75

59. National Aeronautics and Space Administration, Skylab Earth Terrain Camera Color Photography, Mission 3, Roll 86, Frames 009-012, 1973

60. National Aeronautics and Space Administration, Skylab Multispectral Camera Black and White Photography, Mission 3, Roll 35, Frames 241-244, 1973

61. U.S. Department of the Interior, Geological Survey, 7.5-Minute Series Topographic Maps, Scale 1:24,000, Contour Intervals 10, 20, and 40 feet: Adams Mesa, Arizona (1964); Agua Caliente, Arizona (1965), Photorevised (1982); Antelope Peak, Arizona (1981); Apache Junction, Arizona (1956), Photorevised (1982); Avondale SE, Arizona (1957), Photorevised (1971); Avondale SW, Arizona (1957), Photorevised (1971); Baldy Mountain, Arizona (1964), Photorevised (1981); Bartlett Dam, Arizona (1964); Big Horn, Arizona (1974); Biscuit Flat, Arizona (1965); Black Canyon City, Arizona (1969); Bosque, Arizona (1973); Boulder Mountain, Arizona (1964); Buckeye, Arizona (1958), Photorevised (1971); Buckeye NW., Arizona (1958), Photorevised (1971); Buckhorn, Arizona (1956), Photorevised (1982); Butterfield Pass, Arizona (1973); Calderwood Butte, Arizona (1957), Photorevised (1971, 1974); Cave Creek, Arizona (1965); Chandler, Arizona (1952), Photorevised (1967, 1973); Chandler Heights, Arizona (1956), Photorevised (1973); Citrus Valley West, Arizona (1973); Citrus Valley East (1973); Conley Well, Arizona (1979); Cooks Mesa, Arizona (1967); Cotton Center, Arizona (1973); Cotton Center NW., Arizona (1973); Cotton Center SE, Arizona (1973);

Copperosity Hills, Arizona (1981); Currys Corner, Arizona (1964), Photorevised (1982); Daisy Mountain, Arizona (1964); Desert Well, Arizona (1956), Photorevised (1973); El Mirage, Arizona (1957), Photorevised (1982); Enid, Arizona (1952), Photorevised (1967); Estrella, Arizona (1979); Fort McDowell, Arizona (1964), Photorevised (1974); Fowler, Arizona (1952), Photorevised (1967, 1973); Four Peaks, Arizona (1964), Photoinspected (1978); Garfias Mountain, Arizona (1964); Gila Bend, Arizona (1973); Gila Butte, Arizona (1952), Photorevised 1981); Gila Butte NW., Arizona (1952), Photorevised (1967); Goldfield, Arizona (1956); Governors Peak, Arizona (1964); Glendale, Arizona (1957), Photorevised (1982); Granite Reef Dam, Arizona (1964), Photorevised (1974); Guadalupe, Arizona (1952), Photorevised (1967, 1973); Haley Hills, Arizona (1981); Hassayampa, Arizona (1958), Photorevised (1971); Haunted Canyon, Arizona (1948); Hedgpeth Hills, Arizona (1957), Photorevised (1971, 1974); Hieroglyphic Mountains SW., Arizona (1965), Photorevised (1981); Higley, Arizona (1956), Photorevised (1981); Horse Mesa Dam, Arizona (1964); Horseshoe Dam, Arizona (1964); Humbolt Mountain, Arizona (1964); Hyder NE., Arizona (1964); Hyder SE., Arizona (1965), Photorevised (1982); Iron Mountain, Arizona (1948); Laureen, Arizona (1952), Photorevised (1967, 1973); Lion Mountain, Arizona (1964); Little Table Top, Arizona (1981); Lone Butte, Arizona (1952), Photorevised (1967, 1973); Lost Horse Peak, Arizona (1979); Margies Peak, Arizona (1973); Maverick Mountain, Arizona (1964); McMicken Dam, Arizona (1957), Photorevised (1971, 1974); McDowell Peak, Arizona (1965), Photorevised (1982); Mesa, Arizona (1972), Photorevised (1967, 1973); Mine Mountain, Arizona (1963); Montezuma Peak, Arizona (1952), Photorevised (1967); Mobile, Arizona (1973); Mobile NE., Arizona (1973); Mobile NW., Arizona (1973); Mormon Flat Dam, Arizona (1964), Photoinspected (1978); New River, Arizona (1964), Photorevised (1981); New River Mesa, Arizona (1964); New River SE., Arizona (1964); Paradise Valley, Arizona (1965), Photorevised (1982); Perryville, Arizona (1957), Photorevised (1982); Phoenix, Arizona (1952), Photorevised (1967, 1973); Pima Butte, Arizona (1952), Photorevised (1967); Pinyon Mountain, Arizona (1964); Red Pkacho, Arizona (1964); Reno Pass, Arizona (1964); Rover Peak, Arizona (1967); Sacaton NE., Arizona (1956), Photorevised (1973); Sawik Mountain, Arizona (1964), Photorevised (1982); Smurr, Arizona (1973); Spring Mountain, Arizona (1973); Squaw Creek Mesa, Arizona (1969); Stewart Mountain, Arizona (1964); Sunnyslope, Arizona (1965), Photorevised (1982); Tempe, Arizona (1952), Photorevised (1967, 1973); Theba, Arizona (1973); Theodore Roosevelt Dam, Arizona (1964); Tolleson, Arizona (1957), Photorevised (1982); Two Bar Mountain, Arizona (1964); Union Hills, Arizona (1964), Photorevised (1973); Valencia, Arizona (1957), Photorevised (1971); Waddell, Arizona (1957), Photorevised (1971), Photoinspected (1975); Weavers Needle, Arizona (1966); White Tank Mountains NE., Arizona (1957), Photorevised (1971); White Tank Mountains SE., Arizona (1957), Photorevised (1971); Wickenburg, Arizona (1964); Wickenburg SW., Arizona (1965); Wildcat Hill, Arizona (1965); Wittmann, Arizona (1965), Photorevised (1981); Woolsey Peak, Arizona (1973), Congress, Congress S.W., Date Creek Ranch, Date

Creek Ranch S.E., Flores, O'Neil Pass, and Vulture Mountains, Maricopa and Yavapai Counties, Arizona.

62. U.S. Department of Housing and Urban Development, Federal Insurance Administration, Flood Insurance Study, Maricopa County, Arizona (Unincorporated Areas), July 2, 1979

63. Federal Emergency Management Agency, Flood Insurance Study, La Paz County, Arizona (Unincorporated Areas), September 19, 1984

64. Federal Emergency Management Agency, Flood Insurance Study, Yavapai County, Arizona (Unincorporated Areas), September 18, 1985

65. Federal Emergency Management Agency, Flood Insurance Study, Yuma County, Arizona (Unincorporated Areas), Revised November 15, 1985

66. Federal Emergency Management Agency, Type 19 Flood Insurance Study, Pinal County, Arizona (Unincorporated Areas), unpublished

67. Federal Emergency Management Agency, Type 19 Flood Insurance Study, Pima County, Arizona (Unincorporated Areas), unpublished

Arizona Department of Transportation, Report No. ADOT-RS-15-121, Methods for Estimating the Magnitude and Frequency of Floods in Arizona, prepared by the U.S. Geological Survey, Phoenix, Arizona, September 1978

Boyle Engineering Corporation and L.H. Bell and Associates, Storm Drainage and Flood Control Study, Southeastern Maricopa County, State of Arizona, June 1973

Chow, Ven Te, Open-Channel Hydraulics, New York: McGraw-Hill Book Company, 1959

City of Chandler, Arizona, Ordinance No. 648, Storm Drainage Requirements, Adopted by the City Council of the City of Chandler, September 17 and 24, 1975

City of Phoenix, Metropolitan Chamber of Commerce, Community Profile, Phoenix, Arizona, 1975

City of Phoenix, Engineering Department, Storm Drain, North Mountain Detention Dams Nos. 2a and 2b, 7th Street and Thunderbird Road, Project No. ST 71183, As-Built Plans, Phoenix, Arizona, May 1976

City of Phoenix, Engineering Department, Storm Drain Detention Basin No. 7, Central Avenue and Cactus Road, ST 75093, As-Built Plans, Phoenix, Arizona, August 1978

City of Phoenix, Engineering Department, Storm Drain, Sweetwater Channel, 15th Avenue at Cave Creek and 19th Avenue and Sweetwater to 12th Avenue and Thunderbird, As-Built Plans, Phoenix, Arizona, August 15, 1976

Dibble and Associates, Offsite Drainage Design Report, Ehrenberg-Phoenix Highway, Phoenix, January 1976

Dibble and Associates, Litchfield Road Storm Drainage System, Phoenix, February 1974

Maricopa County Flood Control District, Hydraulic Study of the Confluence of the Agua Fria and the Gila Rivers, Phoenix, Arizona, unpublished

Maricopa County Flood Control District, Flood Control Report, Section II, Western Maricopa County, Phoenix, Arizona, 1961

State of Arizona Department of Transportation, Hydrologic Design for Highway Drainage in Arizona, December 1968

Toups Corporation, Flood Water Study for Rossmoor Leisure World, July 1974

U.S. Department of the Army, Corps of Engineers, Los Angeles District, General Design Memorandum No. 1, Phase I, Gila River Basin, Arizona, October 1973

U.S. Department of the Army, Corps of Engineers, Los Angeles District, General Design Memorandum No. 1, Phase II, Gila River Basin, Arizona, May 1975

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Design Memorandum No. 1, General Design Memorandum, Phase I, Plan Formulation for Indian Bend Wash, Supplementary Report on Side Channels System, September 1974

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Design Memorandum No. 2, Gila River Basin, Phoenix, Arizona, and Vicinity (Including New River), Hydrology, Part 2, 1982

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Design Memorandum, No. 3, Gila River Basin, New River, and Phoenix City Streams, Arizona, General Design Memorandum, Phase I, Plan Formulation, March 1976

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Design Memorandum No. 3, Gila River Basin, Arizona, Feature Design for Inlet Channel, Project Design for Indian Bend Wash, January 1978

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Arizona Hydrology, Paradise Valley, Maricopa County, August 1974

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Report on the Flood of June 22, 1972, Phoenix Metropolitan Area, Arizona, October 1972

U.S. Department of the Army, Corps of Engineers, Hydrologic Engineering Center, HEC-1 Flood Hydrograph Package, Davis, California, September 1981

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Gila Floodway, Survey Report, Hydrology, Part 1, Maricopa County, Arizona, January 1976

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Interim Report, Survey for Flood Control, Gila and Salt Rivers, Gillespie Dam to McDowell Dam Site, Arizona, December 1957

U.S. Department of the Army, Corps of Engineers, Hydrologic Engineering Center, Program 704-G9-L2020, Multiple Regression Package, R.G. Wiley and H.E. Kubic, Davis, California, 1970

U.S. Department of the Army, Corps of Engineers, Los Angeles District, Flood Plain Information, Maricopa County, Arizona, Volume I, Indian Bend Wash, June 1964

U.S. Department of the Army, Corps of Engineers, Sacramento District, Statistical Methods in Hydrology, Leo R. Beard, January 1962

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Local Climatological Data, Annual Summaries for 1975, Phoenix, Arizona, 1976

U.S. Department of the Interior, Geological Survey, Water-Supply Paper 1850-C, Floods of November 1965 to January 1966 in the Gila River Basin, Arizona and New Mexico, and Adjacent Basins in Arizona, B.N. Aldridge, 1970

U.S. Department of the Interior, Geological Survey, "A Method for Adjusting Values of Manning's Roughness Coefficient for Flooded Urban Areas," Research Journal, Volume 5, No. 5, pages 541-545, H.R. Hejl, Jr., September-October 1977

Yost and Gardner, Engineers, City of Phoenix Drainage Study, Phoenix, Arizona, 1975

Yost and Gardner, Engineers, Drainage Study, Tenth Street Wash, Phoenix, Arizona, July 1975

Yost and Gardner, Engineers, Stormwater Drainage for the City of Mesa, Project No. 71-6, Phoenix, Arizona, November 1973

10.0 REVISIONS DESCRIPTION

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

10.1 First Revision

This study was revised on _____ to include the restudy conducted for the City of Wickenburg and surrounding unincorporated areas of Maricopa County; to include the newly incorporated town of Cave Creek and City of Litchfield Park; and to include the revisions described below. As part of this revision, the conversion of the FIRM for Maricopa County, Arizona and Incorporated Areas to the Map Initiatives Format on a panel-to-panel basis was initiated. In the Map Initiatives Format, all base (100-year) flood elevation (BFEs), cross sections, and floodplain and floodway boundaries are shown on the FIRM. The flood insurance zone designations were changed to reflect the Map Initiatives Format. Areas previously shown as numbered zone A were revised to Zone AE, Zone B was revised to Zone X (shaded), and Zone C was revised to Zone X (unshaded). In addition, all Flood Insurance Zone Data Tables were removed from the FIS report and all zone designations and reach determinations were removed from the profiles. The FIRM Index was revised to reflect the 100-year flooding shown on all FIRM panels. In addition, the Township and Range Lines for Maricopa County and Incorporated Areas have been added to the FIRM and FBFM Index as requested by the Flood Control District of Maricopa County (FCDMC).

New River below Skunk Creek:

For the reach of the New River from the confluence with the Agua Fria River upstream to Skunk Creek, revised hydrologic and hydraulic analyses were developed by Coe and Van Loo Consulting Engineers, Inc. (CVL).

The hydrologic analysis developed by CVL for the reach of the New River between the confluence of the Agua Fria River and Skunk Creek was based on the 1984 U.S. Army Corps of Engineers (COE) study. CVL modified the COE's study to reflect existing floodplain conditions, and developed the 10-, 50-, and 500-year discharges for this reach. These revised discharges are presented in Table 3 entitled "Summary of Discharges." The revised discharges reflect the construction of the Adobe, New River, and Cave Buttes Dams and the Arizona Canal Diversion Channel. These data are presented in the technical report entitled "Hydrology Update, November 15, 1986, New River Below Skunk Creek, Maricopa County, Arizona," prepared by CVL for the FCDMC.

The revised HEC-2 hydraulic analyses for this reach of the New River utilized cross sectional data from the original COE's model for the

New River based on 1982 topography. These cross sections were modified to include the following channelization projects:

- Glendale Municipal Airport
- Plaza Del Rio Development located South of Thunderbird Road
- Desert Harbor Development located from approximately 3,600 feet downstream of Thunderbird Road Bridge to North of Greenway Road

The starting water surface elevations were based on the slope-area method. The roughness factors ("n" values) were originally established by the COE. CVL conducted a field investigation of the river and revised these factors. Based on the field investigation, CVL utilized the values established by the COE. The revised floodway analysis was also based on the COE's model and utilized method 1 encroachment. These data are presented in the technical report entitled "Flood Insurance Study, New River Below Skunk Creek, Maricopa County, Arizona," prepared by CVL for FCDMC, dated December 30, 1986.

The 100-, and 500-year floodplain and the 100-year floodway boundaries were delineated on topographic maps at a scale of 1" = 200', contour interval of 2 feet, entitled "New River Floodplain Delineation, Agua Fria River to Skunk Creek Wash," prepared by CVL and revised July 1987. The maps were based on aerial mapping flown by Aerial Mapping Company, Inc. on November 20, 1981, at a scale of 1" = 100', contour interval of 2 feet.

<u>New River Upstream of New River Dam</u>:

The revised 100-year hydrologic analysis for the reach of the New River upstream of the New River Dam to Rock Springs was developed by CVL using the COE's HEC-1 hydrologic computer model. These data are presented in the technical report entitled '"Hydrology Report, Including Approval Letters For Flood Insurance Study, New River, from New River Dam to Rock Springs, Maricopa County, Arizona," prepared by CVL for FCDMC, dated December 1987. Only the 100-year discharge was developed because the channel geometry for this reach of the New River is characterized by wide floodplains with numerous low flow channels which are highly unstable. These channels change significantly during low flow floods. The revised 100-year discharge is presented in Table 3.

The hydraulic analyses were conducted by CVL utilizing the COE's HEC-2 hydraulic computer model. The starting water surface elevations were based on the slope-area method. The high water level in the New River Dam was not used due to difference in the time of peak flow. Cross sectional data were based on 1" = 200' topographic mapping prepared by Aerial Mapping Company, Inc. in March 1985, and December 1986.

Three split flow reaches of the New River, and Sweat Canyon Wash were analyzed in addition to the main channel of the New River. The three split flow reaches of the New River are identified as New River East Split, New River Middle Split, and New River West Split. Roughness factors ("n" values) for the New River, the split flows of New River, and Sweat Canyon Wash were established based on field investigation,

topography, and photographs of the area. These values are presented in Table 4. No floodways were computed for these areas because of the unique topography.

The 100-year floodplain boundaries were delineated using topographic maps at a scale of 1" = 400', contour interval of 4 feet, entitled "New River Floodplain Delineation, New River Dam Reservoir to Rock Springs," and prepared by CVL.

Tables 1, 2, 3, and 4 have been revised to reflect these modifications to the flooding along the New River. The Floodway Data Table for the New River was also revised to reflect the revised hydraulic analysis. Due to the addition of cross sections for the reach between the Agua Fria River and Skunk Creek, the cross sections located upstream of Skunk Creek to the New River Dam were relabeled. Profile Panels 24P through 59P were revised to reflect these changes and to show the split flow reaches. Profile Panels 60P and 61P for Sweat Canyon Wash were added to the FIS report.

East Fork Cave Creek:

The Special Flood Hazard Area (SFHA) along a reach of East Fork Cave Creek, east of 7th Street, was modified based on a revised hydrologic analysis of the 100-year discharge performed by NBS/Lowry Engineers and Planners (NBS/Lowry). This analysis is presented in reports prepared by NBS/Lowry entitled: "Upper East Fork Cave Creek, Area Drainage Master Study, Technical Submittals," submittal number 4, dated June 30, 1987; "Upper East Fork Cave Creek, Area Drainage Master Study, Technical Submittals (Executive Summary), undated, and "Upper East Fork Cave Creek, Area Drainage Master Study, Technical Submittals," undated.

The revised hydrologic analysis was developed using the Soil Conservation Service TR-20 hydrologic computer model. The routing used in the analysis more accurately represent the existing flow conditions in the Upper East Fork Cave Creek Drainage Basin than that developed for the existing FIS study. As a result of this analysis, the floodway was eliminated for the reach of East Fork Cave Creek east of 7th Street. The SFHA east of the 7th Street was revised to Zone A approximate with the floodplain boundaries remaining as shown on the April 15, 1988 FIRM. The area located between Cave Creek and East Fork Cave Creek, which was designated as Zone C on the April 15, 1988 FIRM, was revised to Zone X (shaded). These changes are reflected on FIRM Panels 1215 and 1220. The Floodway Data Table and Profile Panels have also been modified to reflect these changes.

The Letter of Map Amendment (LOMA) issued on August 1, 1986, for the City of Phoenix for Lots 117 to 136 of Coral Gable Estates is shown on FIRM Panels 1655 and 1255. The LOMA stated that this property was not within the SFHA. The 100-year floodplain delineation along East Fork Cave Creek was revised to reflect this LOMA.

Buchanan Wash:

Hydrologic and hydraulic analyses for Buchanan Wash from its confluence with Skunk Creek to the Central Arizona Project (CAP) Canal were conducted by AGK Engineers, Inc. for the FCDMC. These analyses are presented in the technical reports entitled "Hydrologic Analyses for Buchanan Wash, Maricopa County, Arizona, and "Flood Insurance Study for Buchanan Wash, from Skunk Creek to CAP Canal, Maricopa County, Arizona," both dated November 1987 and prepared by AGK Engineers, Inc. As a result of these analyses, new detailed flooding and a floodway for Buchanan Wash are shown on FIRM Panel 1185.

Discharge-frequency relationships from historical flood records could not be developed for Buchanan Wash because no gaging stations are available in the watershed. Therefore, the COE's HEC-1 hydrologic computer model was utilized to develop the peak discharges, which are shown in Table 3.

Cross-sectional data for the HEC-2 hydraulic analyses were obtained from topographic maps at a scale of 1" = 200' contour interval of 2 feet, prepared by Aerial Mapping Company, Inc., and flown in September 1986. Roughness factors ("n" values) were selected using engineering judgment and field observations. These values are listed in Table 4.

The COE's HEC-2 hydraulic computer model was used to develop the water surface profiles. Starting water-surface elevations were obtained from the 1981 COE's study for Skunk Creek. The floodway was computed on the basis of equal conveyance reduction from each side of the flooplain.

Floodway Data Tables and Profile Panels have been added to the FIS report to reflect this new detailed flooding information.

Andora Hills Wash:

The SFHA along a reach of Andora Hills Wash located between a point north of Rancho Manana Boulevard and a point approximately 690 feet downstream of Rancho Manana Boulevard has been modified as shown on FIRM Panel 0805. This modification reflects the construction of a roadway crossing and culvert. In support of this revision, a technical report entitled "Application for Flood Plain Variance for Rancho Manana," undated, and Sheet 8 of 8 of certified "as-built" construction plans entitled "Rancho Manana Country Club Lots-Water, Sewer, Paving Plans," dated March 28, 1988, were prepared by American Engineering Company. The technical report contained a revised HEC-2 hydraulic computer model for this reach of Andora Hills Wash.

As a result of the roadway crossing and culvert construction, the BFEs and the floodway width increased between cross sections E and F. These modifications are reflected on the Profile Panel and Floodway Data Table for Andora Hills Wash.

Agua Fria River:

The floodway boundary along a reach of the Agua Fria River in the vicinity of the Brookview Country Club was modified as shown on FIRM Panels 1165 and 1170. The basis for the revision was a revised HEC-2 hydraulic analysis presented in a technical report entitled "Request for Letter of Map Revision-Agua Fria River Floodway (Brookview Country Club)," prepared by Willdan Associates and dated December 1987. As a result of this analysis, the floodway boundary delineation was modified between cross sections BE and BF. The Floodway Data Table reflects this change.

Granite Reef Aqueduct:

The SFHA designated as Zone A along a reach of the Granite Reef Aqueduct, part of the CAP, as shown on FIRM Panel 1475 was revised to reflect the correct alignment of the Granite Reef Aqueduct. The basis for this modification was a topographic map submitted by the FCDMC which showed the correct alignment.

Cave Creek:

The Letter of Map Revision (LOMR) issued on May 12, 1988, for the City of Phoenix to reflect a channelization project along Cave Creek from 11th Avenue to Bell Road is shown on FIRM Panel 1215. In support of this request, certified "as-built" plans entitled "Grading, Drainage, Channel Grading, and Culvert Details, Bell Road Autopark," dated September 30, 1987, and a revised HEC-2 hydraulic analysis of Cave Creek were submitted by Amwest Engineering Company, Inc. As a result of this channelization project, the 100-year flood is contained within the channel for this reach of Cave Creek. The Profile Panels and Floodway Data Table have been revised to reflect this modification.

Arizona Canal Diversion Channel (ACDC):

The LOMRs issued on May 17, 1988, for the cities of Phoenix and Glendale, and the unincorporated areas of Maricopa County to reflect the construction of the ACDC from the confluence with Skunk Creek to 47th Avenue are shown on FIRM Panels 1190, 1630, and 1635. To support this request, the following data were submitted:

- Sheets 2 of 74, and 15 through 19 of 74 of the final construction drawings, entitled "Arizona Canal Diversion Channel, 29th Avenue to 47th Drive," prepared by the COE, Los Angeles District, and dated July 19, 1987.

- Sheets 2 and 4 through 8 of 30 of the final construction drawings, entitled "Arizona Canal Diversion Channel, 47th Drive to Cactus Road," prepared by the COE, Los Angeles District, and dated September 10, 1986.

- Sheets 2, 6 through 19, 27, and 27A of 38 of the final construction drawings, entitled "Arizona Canal Diversion Channel,

Cactus Road to Skunk Creek," prepared by the COE, Los Angeles District, and dated June 24, 1986.

- A letter of certification, dated December 31, 1987, from the COE, Los Angeles District, stating that the reach of the ACDC from Skunk Creek to 47th Avenue was built in conformance with the above-referenced construction drawings.

The 100-year flood is contained within the right-of-way of the ACDC in this reach. The Zone A floodplain boundaries along the north side of the ACDC have been revised to coincide with the right-of-way limits for the ACDC. The areas outside of the right-of-way limits on the north side of the ACDC have been redesignated as Zone X (shaded).

The LOMRs issued on September 15, 1988, for the cities of Peoria and Glendale to reflect the completed portion of the ACDC at the confluence with Skunk Creek are shown on FIRM Panel 1190. To support these LOMRs, Sheets 2 and 3 of 10 of workmaps entitled "Lower Skunk Creek, New River and Skunk Creek Areas, Arizona," prepared by the COE and dated February 4, 1980, were submitted by the FCDMC. As a result of the construction of the ACDC, the area previously designated as Zone A at the confluence of Skunk Creek and the ACDC has been revised to Zone X. (shaded)

The LOMR issued on October 4, 1988, for the City of Phoenix to reflect the construction of the ACDC from 47th Avenue to 29th Avenue is shown on FIRM Panels 1635 and 1655. In support of this request, the following data were submitted:

- Sheets 2, 4, and 5 of 30 of the final construction drawings, entitled "Arizona Canal Diversion Channel, 47th Drive To Cactus Road," prepared by the COE, Los Angeles District, and dated September 10, 1986.

- Sheets 2, and 5 through 19 of 74 of the final construction drawings, entitled "Arizona Canal Diversion Channel, 29th Avenue to 47th Drive," prepared by the COE, Los Angeles District, and dated July 17, 1987.

- A letter of certification, dated August 19, 1988, from the COE, Los Angeles District, stating that the reach of the ACDC from 47th Avenue to 29th Avenue was built in conformance with the above-referenced construction drawings.

The 100-year flood is contained within the right-of-way of the ACDC in this reach. The Zone A floodplain boundaries for the above-referenced reach of the ACDC have been revised to coincide with the right-of-way limits for the ACDC. The areas outside the right-of-way limits on the north side of the reach of the ACDC have been redesignated as Zone X (shaded).

The construction of the ACDC from 29th Avenue East to Black Canyon Freeway is also shown on FIRM Panel 1655 based on data provided by the COE.

Indian Bend Wash:

The LOMA issued on June 16, 1981, for the City of Phoenix for Phases 1 and 2 of Eagles Eyre III is shown on FIRM Panel 1680. The LOMA stated that Lots 1 to 5 and 27 to 36 were not within the SFHA as shown and that Lots 6 to 26 and 37 to 47 were determined not to be within the SFHA. The 100-year floodplain delineation along Indian Bend Wash was revised to reflect this LOMA.

Tenth Street Wash:

The LOMR issued on October 13, 1983, and LOMA issued on October 31, 1983, for the City of Phoenix are shown on FIRM Panel 1660. Based on data submitted by Curtis Engineering on behalf of Villa Santa Fe Condominiums, the SFHA located along Tenth Street Wash upstream of Cheryl Drive was reduced and the floodway eliminated. The LOMA issued for Villa Santa Fe, a condominium conversion of Desert Cove Apartments, stated that the property was not within the SFHA. The 100-year floodplain delineation has been revised to reflect this LOMR and LOMA. In addition, the Floodway Data Table and Profile Panels for Tenth Street Wash have been revised to reflect the LOMR.

Skunk Creek:

The LOMA issued on January 15, 1988, for the City of Glendale as shown on FIRM Panel 1190. The LOMA stated that Creekside Market Place located at 67th Avenue and Bell Road was not in the SFHA. The 100-year floodplain delineations along Skunk Creek were revised to reflect this LOMA.

Airline Canal:

The LOMRs issued on December 6, 1988, for the Cities of Goodyear and Glendale, and the unincorporated areas of Maricopa County to reflect the replacement of a portion of the Airline Canal with an underground pipe are shown on FIRM Panel 1615. In support of this revision, a technical report entitled "Litchfield Ridge, Request for Letter of Map Amendment," prepared by Wood and Associates, Inc., and dated August 1988, was submitted. This report included an aerial topographic map showing that the Airline Canal is underground through the Litchfield Park subdivision from just west of Dupart Road to approximately 2,400 feet downstream.

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Agua Fria River								
A	2,675	2,960	14,542	6.1	923.6	921.1[2]	922.0[2]	0.9
B	5,335	2,200	12,012	7.4	926.7	926.7	027.6	0.9
C	6,165	1,807	10,874	8.2	929.2	929.2	930.1	0.9
D	7,005	2,416	13,849	6.4	933.2	933.2	933.2	0.0
E	9,355	3,288	19,239	4.6	937.0	937.0	937.5	0.5
F	11,075	3,137	14,185	6.3	940.7	940.7	941.0	0.3
G	13,040	2,235	14,088	6.3	946.7	946.7	947.2	0.5
H	14,655	2,130	14,184	6.3	949.9	949.9	950.3	0.4
I	15,870	2,500	13,318	6.8	952.2	952.2	953.2	1.0
J	17,370	2,650	16,102	5.6	955.8	955.8	956.6	0.8
K	18,995	1,960	12,077	7.5	958.8	958.8	959.6	0.8
L	19,995	1,188	9,009	10.0	962.3	962.3	962.8	0.5
M	20,200	1,202	13,534	6.7	964.1	964.1	964.3	0.2
N	22,085	2,375	17,909	5.0	967.8	967.8	968.8	1.0
O	23,950	2,970	16,624	5.4	970.9	970.9	971.9	1.0
P	25,350	2,170	12,170	7.4	973.0	973.0	974.0	1.0
Q	26,600	1,870	13,718	6.6	976.4	976.4	977.1	0.7
R	27,975	1,868	12,911	7.0	978.6	978.6	979.2	0.6
S	28,515	1,452	11,250	8.1	981.0	981.0	981.1	0.1
T	29,955	2,820	25,386	3.6	984.7	984.7	984.8	0.1
U	32,075	3,670	20,941	4.3	987.4	987.4	988.0	0.6
V	34,655	2,835	16,290	5.7	994.1	994.1	995.0	0.9
W	36,095	2,600	15,060	6.2	997.7	997.7	998.2	0.5
X	37,320	2,195	13,171	7.1	1,000.3	1,000.3	1,000.7	0.4
Y	39,470	2,915	15,995	5.8	1,003.7	1,003.7	1,004.5	0.8
Z	42,836	1,596	14,883	6.4	1,012.3	1,012.3	1,012.8	0.5

[1]Feet Above Confluence With Gila River
[2]Elevations Computed Without Consideration of Backwater From Gila River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

AGUA FRIA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Agua Fria River (Continued)								
AA	42,915	1,587	13,300	7.1	1,012.3	1,012.3	1,012.9	0.6
AB	45,441	3,190	15,994	5.9	1,017.5	1,017.5	1,107.7	0.2
AC	48,497	1,694	11,734	8.1	1,024.3	1,024.3	1,024.5	0.2
AD	50,257	2,700	14,356	6.6	1,029.1	1,029.1	1,029.4	0.3
AE	51,717	4,720	21,241	4.2	1,033.8	1,033.8	1,034.7	0.9
AF	53,647	3,400	12,757	7.1	1,037.7	1,037.7	1,037.8	0.1
AG	56,072	2,950	14,565	6.3	1,043.1	1,043.1	1,044.0	0.9
AH	59,897	4,013	13,839	6.7	1,050.8	1,050.8	1,051.3	0.5
AI	62,971	3,405	38,528	2.5	1,064.7	1,064.7	1,064.8	0.1
AJ	65,371	2,753	9,433	10.2	1,064.7	1,064.7	1,065.0	0.3
AK	66,571	2,425	11,074	8.7	1,068.9	1,068.9	1,069.2	0.3
AL	69,091	2,300	15,303	6.4	1,076.1	1,076.1	1,077.0	0.9
AM	71,091	2,441	19,658	5.0	1,080.1	1,080.1	1,080.7	0.6
AN	74,091	3,136	13,249	7.6	1,089.2	1,089.2	1,089.5	0.3
AO	76,091	2,605	13,945	7.4	1,095.4	1,095.4	1,095.9	0.5
AP	78,091	2,754	17,948	5.7	1,101.5	1,101.5	1,101.8	0.3
AQ	80,091	2,092	12,205	8.5	1,104.6	1,104.6	1,105.1	0.5
AR	82,146	2,259	14,813	7.1	1,111.4	1,111.4	1,111.9	0.5
AS	86,715	2,072	21,346	5.1	1,130.7	1,130.7	1,131.5	0.8
AT	89,081	2,520	15,707	6.9	1,133.6	1,133.6	1,134.4	0.8
AU	91,162	2,855	25,570	4.2	1,137.0	1,137.0	1,137.6	0.6
AV	92,921	2,080	11,667	9.3	1,138.4	1,138.4	1,139.0	0.6
AW	96,615	2,616	12,273	8.5	1,149.1	1,149.1	1,149.1	0.0
AX	98,198	2,143	14,516	7.5	1,154.7	1,154.7	1,154.8	0.1
AY	99,713	1,074	12,826	9.0	1,160.3	1,160.3	1,160.7	0.4
AZ	99,783	1,073	12,995	8.8	1,160.5	1,160.5	1,160.8	0.3

[1]Feet Above Confluence With Gila River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

AGUA FRIA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Agua Fria River								
BA	101,573	2,451	16,536	7.0	1,168.9	1,168.9	1,168.9	0.0
BB	103,973	2,796	15,544	7.5	1,174.3	1,174.3	1,174.5	0.2
BC	105,183	2,608	15,653	7.4	1,177.9	1,177.9	1,178.1	0.2
BD	106,203	2,211	14,947	7.8	1,180.7	1,180.7	1,181.1	0.4
BE	109,453	2,474	18,608	6.4	1,191.7	1,191.7	1,192.7	1.0
BF	112,113	2,550	12,570	9.5	1,196.9	1,196.9	1,197.7	0.8
BG	113,313	3,020	26,743	4.4	1,199.4	1,199.4	1,200.4	1.0
BH	114,433	2,868	19,665	6.1	1,200.4	1,200.4	1,201.3	0.9
BI	116,483	2,720	14,168	8.4	1,205.9	1,205.9	1,206.2	0.3
BJ	118,483	2,990	17,358	7.0	1,212.9	1,212.9	1,213.0	0.1
BK	119,483	3,394	20,320	6.0	1,215.9	1,215.9	1,215.9	0.0
BL	121,483	3,383	15,421	7.8	1,222.4	1,222.4	1,222.4	0.0
BM	123,483	3,314	21,455	5.7	1,228.6	1,228.6	1,228.7	0.1
BN	125,483	2,750	14,976	8.2	1,236.6	1,236.6	1,237.1	0.5
BO	127,483	3,015	18,164	6.8	1,244.1	1,244.1	1,244.8	0.7
BP	129,483	3,970	22,373	5.6	1,249.1	1,249.1	1,249.6	0.5
BQ	131,483	3,840	20,042	6.3	1,256.7	1,256.7	1,257.4	0.7
BR	132,483	2,800	16,573	7.7	1,259.3	1,259.3	1,260.0	0.7
BS	134,383	1,272	9,169	13.9	1,266.1	1,266.1	1,266.1	0.0
BT	135,083	1,411	10,556	12.1	1,270.9	1,270.9	1,271.0	0.1

[1]Feet Above Confluence With Gila River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

AGUA FRIA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Gila River								
A	163.42	6,627	47,659	4.2	780.2	780.2	781.2	1.0
B	164.25	3,880	47,241	4.2	786.4	786.4	787.1	0.7
C	164.97	2,895	46,076	4.4	795.1	795.1	795.9	0.8
D	165.53	4,828	77,858	2.6	798.3	798.3	799.2	0.9
E	166.05	3,563	57,421	3.5	799.1	799.1	800.0	0.9
F	166.41	3,956	49,730	4.0	800.1	800.1	801.0	0.9
G	166.66	4,769	62,383	3.2	804.0	804.0	804.6	0.6
H	167.08	5,917	85,825	2.3	806.0	806.0	806.6	0.6
I	167.56	6,112	99,836	2.0	807.2	807.2	807.8	0.6
J	167.89	5,702	80,755	2.5	807.9	807.9	808.5	0.6
K	168.42	5,141	76,972	2.6	809.6	809.6	810.3	0.7
L	168.86	4,396	63,953	3.2	810.8	810.8	811.5	0.7
M	169.12	4,162	53,752	3.8	811.8	811.8	812.5	0.7
N	169.45	5,205	65,294	3.1	813.7	813.7	814.3	0.6
O	169.94	5,723	65,013	3.1	814.8	814.8	815.5	0.7
P	170.18	5,294	60,580	3.3	815.5	815.5	816.2	0.7
Q	171.05	5,274	60,079	3.4	818.5	818.5	819.4	0.9
R	171.78	6,418	77,314	2.6	820.4	820.4	821.3	0.9
S	172.15	6,533	69,814	2.9	821.7	821.7	822.5	0.8
T	172.81	6,366	57,194	3.5	826.7	826.7	826.8	0.1
U	173.09	6,269	46,812	4.3	827.7	827.7	828.1	0.4
V	173.37	6,570	72,449	2.8	829.3	829.3	829.9	0.6
W	173.68	6,467	61,820	3.3	830.5	830.5	831.2	0.7
X	174.28	5,474	52,810	3.9	833.5	833.5	834.3	0.8
Y	174.57	5,358	52,050	3.9	836.3	836.3	837.0	0.7
Z	174.73	5,330	56,570	3.6	838.2	838.2	838.8	0.6

[1]Miles Above Confluence With Colorado River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

GILA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Gila River (Continued)								
AA	174.95	5,070	55,822	3.7	840.1	840.1	840.6	0.5
AB	175.58	7,180	62,492	3.3	844.9	844.9	845.4	0.5
AC	176.18	7,449	62,973	3.2	848.4	848.4	849.2	0.8
AD	177.07	6,867	62,956	3.2	855.0	855.0	855.8	0.8
AE	177.66	7,494	70,738	2.9	856.8	856.8	857.7	0.9
AF	178.42	6,798	58,057	3.5	858.4	858.4	859.1	0.7
AG	179.24	5,993	49,526	4.1	861.8	861.8	862.2	0.4
AH	179.82	5,348	62,402	3.3	866.5	866.5	867.5	1.0
AI	180.36	4,570	54,953	3.7	869.0	869.0	870.0	1.0
AJ	180.71	4,330	42,780	4.8	870.2	870.2	871.0	0.8
AK	181.24	3,812	34,557	6.0	874.1	874.1	874.5	0.4
AL	181.63	4,669	46,294	4.4	876.3	876.3	877.0	0.7
AM	182.02	4,930	68,314	3.0	878.0	878.0	878.7	0.7
AN	182.62	4,984	50,702	4.1	878.9	878.9	879.7	0.8
AO	183.56	3,790	40,048	5.2	884.0	884.0	885.0	1.0
AP	184.25	4,660	40,776	5.1	887.6	887.6	888.2	0.6
AQ	184.84	5,217	42,769	4.8	891.1	891.1	892.0	0.9
AR	185.71	5,080	43,487	4.8	894.5	894.5	895.4	0.9
AS	186.68	3,548	35,335	5.9	900.9	900.9	901.9	1.0
AT	186.93	3,570	36,118	5.8	902.7	902.7	903.7	1.0
AU	187.70	3,359	39,452	5.3	908.6	908.6	909.1	0.5
AV	188.19	3,787	37,576	5.5	910.7	910.7	911.3	0.6
AW	189.27	1,794	29,932	8.4	915.5	915.5	915.7	0.2
AX	189.49	2,291	35,526	7.0	917.6	917.6	917.7	0.1
AY	189.79	2,791	33,107	7.6	919.5	919.5	919.6	0.1
AZ	190.91	4,325	49,431	5.1	925.5	925.5	926.2	0.7

[1]Miles Above Confluence With Colorado River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

GILA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Gila River (Continued)								
BA	191.31	4,401	49,611	5.0	927.5	927.5	928.3	0.8
BB	191.04	5,402	44,071	5.7	930.3	930.3	931.0	0.7
BC	191.97	5,395	43,990	5.7	932.9	932.9	933.5	0.5
BD	192.14	5,104	43,271	5.8	934.1	934.1	934.8	0.7
BE	192.45	6,099	39,113	6.4	936.3	936.3	937.1	0.8
BF	192.70	6,000	46,158	5.4	938.7	938.7	939.7	1.0
BG	193.04	5,236	43,926	5.7	941.2	941.2	942.1	0.9
BH	193.21	6,197	43,115	5.8	942.4	942.4	943.3	0.9

[1]Miles Above Confluence With Colorado River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

GILA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION[2] AREA (SQUARE FEET)	MEAN[2] VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Hassayampa River								
A	40.00	380			1,843.0	1,843.0	1,843.0	0.0
B	40.31	250			1,859.0	1,859.0	1,859.0	0.0
C	40.75	500			1,865.0	1,865.0	1,865.0	0.0
D	41.46	1,070			1,877.0	1,877.0	1,877.0	0.0
E	41.77	510			1,884.0	1,884.0	1,885.0	1.0
F	42.21	550			1,896.0	1,896.0	1,896.0	0.0
G	42.69	780			1,922.5	1,922.5	1,922.5	0.0
H	43.33	700			1,927.0	1,927.0	1,927.0	0.0
I	43.82	700			1,940.0	1,940.0	1,940.0	0.0
J	44.26	570			1,953.0	1,953.0	1,953.0	0.0
K	44.63	900			1,963.5	1,963.5	1,963.5	0.0
L	45.04	1,420			1,974.5	1,974.5	1,974.5	0.0
M	45.60	1,150			1,988.0	1,988.0	1,988.0	0.0
N	46.30	980			2,009.5	2,009.5	2,009.5	0.0
O	46.61	1,050			2,018.9	2,018.9	2,018.9	0.0
P	47.35	1,367			2,034.1	2,034.1	1,034.6	0.5
Q	47.79	1,452			2,050.5	2,050.5	2,051.5	1.0
R	47.98	1,000			2,051.2	2,051.2	2,052.2	1.0
S	48.17	1,070			2,057.4	2,057.4	2,058.4	1.0
T	48.38	960			2,061.9	2,061.9	2,062.9	1.0
U	48.91	2,000			2,074.0	2,074.0	2,075.0	1.0
V	49.29	1,580			2,085.5	2,085.5	2,086.5	1.0
W	49.53	2,200			2,091.5	2,091.5	2,091.5	0.0

[1]Miles Above Confluence With Gila River [2]Data Not Available

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

HASSAYAMPA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
New River								
A	0.38	1345	7192	5.4	1034.2	1032.5[2]	1033.4[2]	0.9
B	0.51	1250	5892	6.6	1034.5	1033.9[2]	1034.5[2]	0.6
C	0.62	1224	5783	6.7	1035.3	1035.3	1036.1	0.8
D	0.72	1165	5479	7.1	1037.2	1037.2	1037.4	0.2
E	0.85	982	5942	6.6	1039.1	1039.1	1039.1	0.0
F	0.98	776	7085	5.5	1040.2	1040.2	1040.2	0.0
G	1.02	832	7678	5.1	1040.4	1040.4	1040.4	0.0
H	1.12	926	7223	5.4	1040.8	1040.8	1040.8	0.0
I	1.19	868	6464	6.0	1041.3	1041.3	1041.3	0.0
J	1.34	661	3239	12.0	1042.3	1042.3	1042.3	0.0
K	1.46	442	2938	13.3	1046.9	1046.9	1046.9	0.0
L	1.59	542	5782	6.7	1050.7	1050.7	1050.7	0.0
M	1.78	569	7029	5.5	1051.0	1051.0	1051.3	0.3
N	1.81	802	7111	5.5	1051.5	1051.5	1051.8	0.3
O	1.91	514	3833	10.2	1051.5	1051.5	1051.9	0.4
P	2.03	531	6820	5.7	1053.7	1053.7	1053.9	0.2
Q	2.10	458	2830	13.8	1053.7	1053.7	1053.9	0.2
R	2.13	350	3314	11.8	1058.5	1058.5	1058.5	0.0
S	2.23	350	3291	11.9	1058.9	1058.9	1058.9	0.0
T	2.27	407	5280	7.4	1061.1	1061.1	1061.1	0.0
U	2.37	452	5427	7.2	1061.6	1061.6	1061.6	0.0
V	2.49	490	2797	13.9	1062.1	1062.1	1062.1	0.0
W	2.56	357	3329	11.7	1064.8	1064.8	1064.8	0.0
X	2.65	517	5104	7.6	1066.5	1066.5	1067.3	0.8
Y	2.71	769	4846	8.0	1066.9	1066.9	1067.7	0.8
Z	2.77	1191	3862	10.1	1068.6	1068.6	1068.6	0.0

[1]Distance in miles above confluence with Agua Fria River
[2]Elevations computed without consideration of backwater effects from Agua Fria River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

NEW RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
New River (Continued)								
AA	2.82	1356	6707	6.0	1070.5	1070.5	1071.3	0.8
AB	2.99	1300	6239	6.4	1072.8	1072.8	1073.1	0.3
AC	3.16	1250	5450	7.3	1074.1	1074.1	1074.6	0.5
AD	3.22	1103	4874	8.2	1074.4	1074.4	1075.1	0.7
AE	3.30	1450	5217	7.7	1077.2	1077.2	1077.2	0.0
AF	3.37	1650	7870	5.1	1079.1	1079.1	1079.4	0.3
AG	3.38	1665	7797	5.1	1079.3	1079.3	1079.7	0.4
AH	3.44	1225	5099	7.8	1079.4	1079.4	1079.7	0.3
AI	3.51	651	3932	10.2	1081.0	1081.0	1081.0	0.2
AJ	3.60	597	5066	7.9	1082.4	1082.4	1083.0	0.6
AK	3.67	440	3710	10.8	1082.9	1082.9	1083.4	0.5
AL	3.76	437	4384	9.1	1085.1	1085.1	1085.3	0.2
AM	3.83	378	3389	11.8	1085.7	1085.7	1085.8	0.1
AN	3.90	416	3433	11.7	1087.4	1087.4	1087.4	0.0
AO	3.99	360	5108	7.8	1089.6	1089.6	1089.6	0.0
AP	4.09	454	5940	6.7	1090.2	1090.2	1090.3	0.1
AQ	4.13	535	7261	5.5	1090.5	1090.5	1090.6	0.1
AR	4.18	481	6543	6.1	1090.6	1090.6	1090.7	0.1
AS	4.22	495	5876	6.8	1090.7	1090.7	1090.9	0.2
AT	4.34	623	6248	6.4	1091.3	1091.3	1091.5	0.2
AU	4.38	545	5223	7.7	1091.5	1091.5	1091.7	0.2
AV	4.41	596	5666	7.1	1095.1	1095.1	1096.1	1.0
AW	4.45	551	5606	7.1	1095.5	1095.5	1096.4	0.9
AX	4.52	525	5592	7.2	1096.3	1096.3	1096.9	0.6
AY	4.56	623	5074	7.9	1096.4	1096.4	1097.1	0.7
AZ	4.66	535	4159	9.6	1097.2	1097.2	1098.0	0.8

[1]Distance in miles above confluence with Agua Fria River

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
New River (Continued)								
BA	4.75	485	4953	8.1	1099.2	1099.2	1099.7	0.5
BB	4.85	303	3524	11.4	1099.7	1099.7	1100.0	0.3
BC	4.90	350	4350	9.2	1101.2	1101.2	1101.4	0.2
BD	4.96	342	4111	9.7	1101.7	1101.7	1101.9	0.2
BE	5.02	583	6629	6.0	1103.1	1103.1	1103.2	0.1
BF	5.12	401	4748	8.4	1103.3	1103.3	1103.4	0.1
BG	5.18	430	5345	7.5	1103.9	1103.9	1104.0	0.1
BH	5,25	275	2706	14.8	1103.9	1103.9	1104.0	0.1
BI	5.34	239	2529	15.8	1105.5	1105.5	1105.5	0.0
BJ	5.45	340	4316	9.3	1110.6	1110.6	1110.6	0.0
BK	5.49	290	4351	9.4	1110.9	1110.9	1110.9	0.0
BL	5.51	268	3916	10.5	1111.1	1111.1	1111.1	0.0
BM	5.55	344	3627	11.3	1111.4	1111.4	1111.4	0.0
BN	5.63	336	3535	11.6	1112.6	1112.6	1112.6	0.0
BO	5.72	211	2252	18.2	1112.9	1112.9	1112.9	0.0
BP	5.78	217	2886	14.2	1116.7	1116.7	1116.7	0.0
BQ	5.81	238	3319	12.4	1118.5	1118.5	1118.5	0.0
BR	5.90	425	6415	6.4	1120.6	1120.6	1120.6	0.0
BS	5.95	657	7882	5.2	1120.9	1120.9	1120.9	0.0
BT	6.02	785	6820	6.0	1121.0	1121.0	1121.2	0.2
BU	6.12	891	6216	6.6	1121.7	1121.7	1121.8	0.1
BV	6.21	462	4869	8.4	1122.3	1122.3	1122.4	0.1
BW	6.25	400	4050	10.1	1122.3	1122.3	1122.4	0.1
BX	6.33	352	3821	10.7	1123.2	1123.2	1123.3	0.1
BY	6.38	352	3708	11.1	1124.1	1124.1	1124.1	0.0
BZ	6.45	351	3658	11.2	1125.1	1125.1	1125.1	0.0

[1]Distance in Miles Above Agua Fria River

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION[2] AREA (SQUARE FEET)	MEAN[2] VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
New River (Continued)								
CA	6.48	351	3646	11.2	1125.6	1125.6	1125.6	0.0
CB	6.50	351	3654	11.2	1125.9	1125.9	1125.9	0.0
CC	6.53	346	3459	11.9	1126.5	1126.5	1126.5	0.0
CD	6.54	347	3555	11.5	1126.8	1126.8	1126.8	0.0
CE	6.56	349	3831	10.7	1128.3	1128.3	1128.3	0.0
CF	6.57	350	3468	11.8	1128.3	1128.3	1128.3	0.0
CG	6.57	347	3913	10.5	1129.3	1129.3	1129.3	0.0
CH	6.61	381	3871	10.6	1130.0	1130.0	1130.0	0.0
CI	6.67	364	3251	12.6	1130.6	1130.6	1130.6	0.0
CJ	6.78	630	2990	13.7	1136.1	1136.1	1136.1	0.5
CK	6.91	950	5511	7.4	1140.0	1140.0	1140.7	0.7
CL	7.01	677	4292	9.6	1141.6	1141.6	1141.8	0.2
CM	7.06	700	4267	9.6	1142.3	1142.3	1142.7	0.4
CN	7.14	690	3937	10.4	1143.1	1143.1	1143.7	0.6
CO	7.27	356	4012	10.2	1145.1	1145.1	1146.1	1.0
CP	7.35	352	4372	9.4	1146.5	1146.5	1147.1	0.6
CQ	7.40	397	4225	9.7	1147.3	1147.3	1147.9	0.6
CR	7.48	386	4473	9.2	1148.3	1148.3	1148.7	0.4
CS	7.61	385	4644	8.8	1149.7	1149.7	1150.0	0.3
CT	7.69	379	4384	9.4	1150.3	1150.3	1150.6	0.3
CU	7.75	252	3304	12.4	1150.5	1150.5	1150.7	0.2
CV	7.75	233	3166	13.0	1150.4	1150.4	1150.6	0.2
CW	7.76	232	3258	12.6	1151.5	1151.5	1151.6	0.1
CX	7.77	244	3368	12.2	1151.8	1151.8	1151.9	0.1
CY	7.80	282	3601	11.4	1152.6	1152.6	1152.7	0.1
CZ	7.92	336	3946	10.4	1154.5	1154.5	1154.6	0.1

[1]Distance in Miles Above Agua Fria River

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
New River (Continued)								
DA	8.01	326	3838	10.7	1155.6	1155.6	1155.6	0.0
DB	8.05	342	4196	9.8	1156.4	1156.4	1156.4	0.0
DC	8.11	353	4481	9.2	1157.1	1157.1	1157.1	0.0
DD	8.22	385	4558	9.0	1158.1	1158.1	1158.1	0.0
DE	8.33	386	4983	8.2	1159.2	1159.2	1159.2	0.0
DF	8.39	397	4757	8.6	1159.6	1159.6	1159.6	0.0
DG	8.51	466	2729	15.0	1161.2	1161.2	1161.2	0.0
DH	8.54	487	2726	15.0	1165.6	1165.6	1165.6	0.0
DI	8.73	434	5389	2.2	1171.5	1171.5	1171.5	0.0
DJ	8.81	423	4724	2.5	1171.5	1171.5	1171.5	0.0
DK	8.88	344	2738	4.4	1171.5	1171.5	1171.5	0.0
DL	8.98	286	1884	6.4	1171.8	1171.8	1171.8	0.0
DM	9.13	407	2575	4.7	1172.7	1172.7	1172.7	0.0
DN	9.32	315	1103	10.9	1180.5	1180.5	1180.5	0.0
DO	9.50	381	1730	6.6	1187.2	1187.2	1187.2	0.0
DP	9.69	188	991	11.6	1191.4	1191.4	1191.4	0.0
DQ	9.95	232	1467	7.8	1198.2	1198.2	1198.2	0.0
DR	9.97	243	1438	8.0	1198.4	1198.4	1198.4	0.0
DS	10.27	438	1554	7.0	1205.1	1205.1	1205.1	0.0
DT	10.80	264	1076	10.1	1219.7	1219.7	1219.7	0.0
DU	10.99	319	1352	8.1	1225.2	1255.2	1225.2	0.0
DV	11.19	197	1049	9.9	1228.1	1228.1	1228.1	0.0
DW	11.57	822	3164	3.3	1236.0	1236.0	1236.0	0.0
DX	11.95	544	1691	6.1	1246.3	1246.3	1246.3	0.0
DY	12.12	664	1608	6.4	1251.5	1251.5	1251.5	0.0
DZ	12.31	372	1326	7.4	1257.6	1257.6	1257.6	0.0

[1]Miles Above Confluence With Agua Fria River

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
New River (Continued)								
EA	12.51	459	1,424	6.9	1,263.1	1,263.1	1,263.1	0.0
EB	12.70	514	1,411	6.9	1,268.8	1,268.8	1,268.8	0.0
EC	12.90	514	1,797	5.5	1,273.7	1,273.7	1,273.7	0.0
ED	13.23	284	1,357	5.8	1,280.2	1,280.2	1,280.2	0.0
EE	13.62	561	1,753	4.5	1,292.4	1,292.4	1,292.5	0.1
EF	13.82	430	935	8.5	1,297.4	1,297.4	1,297.6	0.2
EG	14.01	355	1,198	5.1	1,303.9	1,303.9	1,304.7	0.8
EH	14.20	296	790	7.7	1,308.8	1,308.8	1,308.8	0.0
EI	14.38	710	1,371	4.5	1,315.1	1,315.1	1,316.1	1.0
EJ	14.75	462	1,179	5.2	1,324.6	1,324.6	1,342.6	0.0
EK	14.95	158	524	8.0	1,329.0	1,329.0	1,329.4	0.4
EL	15.14	299	854	4.9	1,335.1	1,335.1	1,335.1	0.0
EM	15.52	287	731	5.7	1,344.0	1,344.0	1,344.0	0.0
EN	15.96	434	838	2.8	1,356.3	1,356.3	1,356.7	0.4
EO	16.17	248	562	4.2	1,362.4	1,362.4	1,363.2	0.8
EP	16.41	139	350	6.7	1,368.2	1,368.2	1,368.3	0.1
EQ	16.61	163	403	5.8	1,372.2	1,372.2	1,372.2	0.0
ER	16.82	102	388	6.0	1,380.6	1,380.6	1,380.9	0.3

[1]Miles Above Confluence With Agua Fria River

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Salt River								
A	0.23	4,724	36,542	6.7	944.0	944.0	944.9	0.9
B	0.48	5,200/ 4,290[2]	37,486	6.3	946.3	946.3	947.2	0.9
C	0.77	4,700/ 3,780[2]	31,748	6.9	948.6	948.6	949.4	0.8
D	0.95	5,000/ 3,550[2]	31,557	6.7	950.4	950.4	951.0	0.6
E	1.20	4,676/ 2,730[2]	33,348	5.8	952.1	952.1	953.1	1.0
F	1.44	3,905/ 1,930[2]	32,929	5.6	954.2	954.2	954.6	0.4
G	1.87	3,841/ 2,210[2]	30,004	6.2	956.9	956.9	957.0	0.1
H	2.10	3,337/ 1,805[2]	22,643	8.2	959.1	959.1	959.1	0.0
I	2.44	3,481/ 1,988[2]	27,719	6.7	962.3	962.3	962.3	0.0
J	2.75	4,022/ 2,200[2]	30,442	6.1	964.3	964.3	964.3	0.0
K	2.99	4,618/ 2,210[2]	32,064	5.8	966.5	966.5	966.5	0.0
L	3.21	4,122/ 1,680[2]	25,397	7.3	968.2	968.2	968.2	0.0
M	3.46	3,870/ 1,170[2]	25,875	7.1	971.2	971.2	971.2	0.0

[1]Miles Above Confluence With Gila River [2]Width/Width Within County

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SALT RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Salt River (Continued)								
N	3.71	3,870/ 1,170[2]	25,360	7.3	973.3	973.3	973.3	0.0
O	3.94	3,988/ 1,410[2]	27,616	6.7	975.8	975.8	975.8	0.0
P	4.22	3,361/ 1,300[2]	25,644	7.2	978.2	978.2	978.2	0.0
Q	4.52	3,380	22,032	8.4	981.9	981.9	981.9	0.0
R	4.82	2,964	27,872	6.6	984.8	984.8	984.8	0.0
S	5.24	1,950	21,016	8.8	988.2	988.2	988.6	0.4
T	5.54	2,625	33,048	5.6	990.4	990.4	991.1	0.7
U	5.83	2,699	26,800	6.9	991.7	991.7	992.3	0.6
V	6.21	2,496	26,814	7.1	994.9	994.9	995.3	0.4
W	6.48	3,766	29,417	6.5	997.3	997.3	997.5	0.2
X	6.83	3,352	25,625	7.4	1,000.5	1,000.5	1,000.5	0.0
Y	7.31	3,037	26,321	7.2	1,004.5	1,004.5	1,004.7	0.2
Z	7.60	2,800	23,138	8.2	1,007.3	1,007.3	1,007.4	0.1
AA	7.94	2,302	22,626	8.4	1,010.8	1,010.8	1,010.9	0.1
AB	8.17	1,950	22,575	8.4	1,013.0	1,013.0	1,013.3	0.3
AC	8.42	2,580	23,065	8.2	1,016.1	1,016.1	1,016.2	0.1
AD	8.71	3,071	25,029	7.6	1,018.5	1,018.5	1,018.6	0.1
AE	8.95	2,385	21,067	9.0	1,020.4	1,020.4	1,020.4	0.0
AF	9.20	2,500	25,000	7.6	1,023.6	1,023.6	1,023.6	0.0
AG	9.48	2,360	21,279	8.9	1,026.6	1,026.6	1,026.6	0.0
AH	9.97	1,429	16,306	11.7	1,030.4	1,030.4	1,030.6	0.2
AI	10.30	2,100	33,258	5.9	1,040.6	1,040.6	1,040.6	0.0

[1]Miles Above Confluence With Gila River [2]Width Does Not Include Zone B Area

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SALT RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Salt River (Continued)								
AJ	10.66	1,901	31,404	6.2	1,041.5	1,041.5	1,041.5	0.0
AK	10.99	2,045	36,169	5.4	1,042.0	1,042.0	1,042.1	0.1
AL	11.23	2,023[2]	28,710	6.8	1,042.4	1,042.4	1,042.5	0.1
AM	11.95	1,065	20,252	9.6	1,048.8	1,048.8	1,048.8	0.0
AN	11.69	2,250	23,643	8.2	1,045.2	1,045.2	1,045.3	0.1
AN	11.95	1,065	20,252	9.6	1,048.8	1,048.8	1,048.8	0.0
AO	12.23	1,226	26,436	7.4	1,054.5	1,054.5	1,054.6	0.1
AP	12.58	1,208	16,247	12.0	1,054.5	1,054.5	1,054.6	0.1
AQ	12.88	637	13,796	14.1	1,057.1	1,057.1	1,057.3	0.2
AR	13.15	745	14,943	13.0	1,060.0	1,060.0	1,060.1	0.1
AS	13.49	903	18,684	10.4	1,065.6	1,065.6	1,065.6	0.0
AT	13.78	844	19,529	10.2	1,067.0	1,067.0	1,067.0	0.0
AU	14.05	806	12,392	16.1	1,067.3	1,067.3	1,067.3	0.0
AV	14.25	603	14,506	13.8	1,070.5	1,070.5	1,070.6	0.1
AW	14.45	543	11,413	17.5	1,071.8	1,071.8	1,071.8	0.0
AX	14.65	720	15,153	13.2	1,075.5	1,075.5	1,075.8	0.3
AY	14.95	933	19,758	10.1	1,078.8	1,078.8	1,078.9	0.1
AZ	15.15	759	15,025	13.3	1,079.0	1,079.0	1,079.2	0.2
BA	15.31	928	19,183	10.4	1,082.6	1,082.6	1,082.7	0.1
BB	15.56	810	14,476	13.8	1,083.9	1,083.9	1,084.0	0.1
BC	15.85	1,220	21,367	9.4	1,091.6	1,091.6	1,091.6	0.0
BD	16.15	1,550	24,646	8.1	1,093.3	1,093.3	1,093.3	0.0
BE	16.40	919	15,489	13.2	1,093.3	1,093.3	1,093.8	0.5
BF	16.57	750	9,916	20.7	1,096.8	1,096.8	1,096.8	0.0
BG	16.75	1,300	19,603	10.5	1,102.3	1,102.3	1,103.3	1.0

[1]Miles Above Confluence With Gila River [2]Width Does Not Include Zone B Area

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SALT RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Salt River (Continued)								
BH	16.95	1,089	25,180	8.1	1,105.8	1,105.8	1,106.3	0.5
BI	17.35	1,295	30,186	6.8	1,107.9	1,107.9	1,108.2	0.3
BJ	17.50	1,421	31,053	6.6	1,108.3	1,108.3	1,108.6	0.3
BK	17.69	1,316	24,570	8.3	1,108.6	1,108.6	1,109.0	0.4
BL	17.94	1,216	16,825	12.2	1,109.3	1,109.3	1,109.6	0.3
BM	18.13	1,100	16,313	12.6	1,111.6	1,111.6	1,111.8	0.2
BN	18.29	1,057	17,449	11.7	1,114.7	1,114.7	1,114.8	0.1
BO	18.47	1,070	16,465	12.5	1,117.2	1,117.2	1,117.2	0.0
BP	18.75	1,055	16,611	12.3	1,120.0	1,120.0	1,120.2	0.2
BQ	19.05	1,440	19,776	10.4	1,124.4	1,124.4	1,124.5	0.1
BR	19.67	3,495	27,825	7.5	1,131.7	1,131.7	1,131.7	0.0
BS	19.94	3,660	22,248	9.4	1,135.9	1,135.9	1,135.9	0.0
BT	20.21	3,340	25,735	8.2	1,139.8	1,139.8	1,139.8	0.0
BU	20.49	3,148	28,045	7.5	1,143.1	1,143.1	1,143.1	0.0
BV	20.71	2,428	25,749	8.2	1,145.2	1,145.2	1,145.2	0.0
BW	20.98	1,648	17,361	12.1	1,148.1	1,148.1	1,148.1	0.0
BX	21.34	1,400	21,785	9.6	1,153.3	1,153.3	1,153.6	0.3
BY	21.64	1,677	27,805	7.6	1,155.1	1,155.1	1,155.4	0.3
BZ	22.08	1,255	19,167	11.2	1,157.3	1,157.3	1,157.4	0.1
CA	22.48	1,610	22,393	9.6	1,160.1	1,160.1	1,160.3	0.2
CB	23.14	2,118	25,275	8.5	1,165.0	1,165.0	1,165.5	0.5
CC	23.54	1,458	20,382	10.5	1,169.8	1,169.8	1,169.9	0.1
CD	23.94	1,594	21,382	10.1	1,173.1	1,173.1	1,173.4	0.3
CE	24.54	1,671/ 1,060[2]	28,038	7.7	1,181.3	1,181.3	1,182.1	0.8

[1]Miles Above Confluence With Gila River [2]Width/Width Within County

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SALT RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Salt River (Continued)								
CF	24.94	1,770/250[2]	29,788	7.4	1,182.8	1,182.8	1,183.4	0.6
CG	25.33	3,345/720[2]	30,190	7.3	1,184.7	1,184.7	1,185.2	0.5
CH	25.93	3,977/280[2]	26,558	8.3	1,190.5	1,190.5	1,190.6	0.1
CI	26.53	2,143/530[2]	22,145	9.9	1,195.0	1,195.0	1,195.0	0.0
CJ	27.13	2,938/650[2]	35,117	6.3	1,202.1	1,202.1	1,202.4	0.3
CK	27.57	2,540/1,100[2]	25,295	8.7	1,206.3	1,206.3	1,206.6	0.3
CL	28.09	1,179/1,660[2]	16,658	13.2	1,212.0	1,212.0	1,212.0	0.0
CM	28.44	1,090/650[2]	21,105	10.4	1,216.4	1,216.4	1,216.4	0.0
CN	28.63	1,820/520[2]	23,759	9.5	1,218.7	1,218.7	1,218.7	0.0
CO	29.30	5,175/1,000[2]	62,626	3.1	1,227.1	1,227.1	1,228.1	1.0

[1]Miles Above Confluence With Gila River [2]Width/Width Within County

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SALT RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Skunk Creek								
A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H	10,023	117	1,065	10.3	1,196.8	1,196.8	1,196.8	0.0
I	10,833	146	1,114	9.9	1,199.5	1,199.5	1,199.5	0.0
J	11,363	122	899	12.2	1,201.4	1,201.4	1,201.4	0.0
K	12,411	257	1,572	6.9	1,212.7	1,212.7	1,212.7	0.0
L	13,489	223	1,558	6.9	1,214.7	1,214.7	1,215.0	0.3
M	13,999	192	1,029	10.3	1,216.6	1,216.6	1,216.6	0.0
N	15,559	277	1,164	9.0	1,223.6	1,223.6	1,223.6	0.0
O	17,149	299	1,414	7.3	1,230.4	1,230.4	1,230.4	0.0
P	18,202	165	1,156	8.8	1,235.1	1,235.1	1,235.1	0.0
Q	19,255	195	1,268	7.9	1,239.6	1,239.6	1,239.6	0.0
R	20,310	174	806	12.3	1,245.5	1,245.5	1,245.5	0.0
S	21,880	197	1,198	8.1	1,252.0	1,252.0	1,252.4	0.4
T	22,920	148	806	12.0	1,256.7	1,256.7	1,256.7	0.0
U	23,980	270	1,408	6.8	1,262.4	1,262.4	1,262.5	0.1
V	25,025	290	1,507	6.2	1,269.3	1,269.3	1,269.8	0.5
W	26,605	355	1,167	7.9	1,277.2	1,277.2	1,277.2	0.0
X	28,185	283	1,679	5.4	1,283.4	1,283.4	1,284.4	1.0
Y	29,235	279	1,409	6.3	1,289.3	1,289.3	1,290.2	0.9
Z	30,295	316	1,099	8.0	1,295.9	1,295.9	1,295.9	0.0

[1]Feet Above Confluence With New River

N/A - Data Not Available (Zone A)

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SKUNK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Skunk Creek (Continued)								
AA	31,820	295	2,152	4.0	1,303.4	1,303.4	1,303.5	0.1
AB	32,836	286	1,724	4.9	1,306.3	1,306.3	1,306.3	0.0
AC	33,893	124	580	4.5	1,310.0	1,310.0	1,310.0	0.0
AD	34,815	100	413	5.3	1,316.0	1,316.0	1,316.0	0.0
AE	36,270	194	340	5.3	1,320.8	1,320.8	1,320.8	0.0
AF	37,780	124	271	6.4	1,327.0	1,327.0	1,327.0	0.0
AG	46,200	1,390	4,840	8.1	1,383.3	1,383.3	1,383.5	0.2
AH	47,780	1,150	6,278	6.2	1,393.1	1,393.1	1,394.0	0.9
AI	49,160	1,120	4,720	8.3	1,401.2	1,401.2	1,401.8	0.6
AJ	50,090	930	4,742	8.2	1,406.4	1,406.4	1,407.0	0.6
AK	51,080	591	3,292	11.8	1,411.7	1,411.7	1,411.7	0.0
AL	51,990	529	3,918	10.0	1,418.7	1,418.7	1,418.7	0.0
AM	53,010	554	3,983	9.8	1,422.2	1,422.2	1,422.2	0.0
AN	53,910	523	3,265	11.9	1,426.6	1,426.6	1,426.6	0.0
AO	54,850	1,540	7,024	5.6	1,434.0	1,434.0	1,434.0	0.0
AP	55,980	1,316	4,570	8.5	1,440.4	1,440.4	1,440.4	0.0
AQ	57,040	1,285	6,088	6.4	1,447.9	1,447.9	1,447.9	0.0
AR	58,140	1,093	5,300	7.4	1,454.7	1,454.7	1,454.7	0.0
AS	64,460	910	4,132	8.5	1,493.4	1,493.4	1,493.4	0.0
AT	65,960	1,100	4,128	8.5	1,503.1	1,503.1	1,503.1	0.0
AU	67,460	1,960	4,481	7.8	1,512.2	1,512.2	1,512.2	0.0

[1]Feet Above Confluence With New River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SKUNK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Skunk Creek (Continued)								
AV	13.05	1,420	--[2]	6.9	1,522.9	1,522.9	1,523.6	0.7
AW	13.55	940	--[2]	7.0	1,544.7	1,544.7	1,545.6	0.9
AX	14.05	1,280	--[2]	6.9	1,565.7	1,565.7	1,566.7	1.0
AY	14.45	840	--[2]	10.7	1,581.1	1,581.1	1,581.8	0.7
AZ	15.05	993	--[2]	9.3	1,606.2	1,606.2	1,606.3	0.1
BA	15.55	870	--[2]	6.5	1,627.3	1,627.3	1,627.3	0.0
BB	16.05	779	--[2]	9.2	1,649.8	1,649.8	1,649.8	0.0
BC	16.55	710	--[2]	9.5	1,670.7	1,670.7	1,670.7	0.0
BD	16.75	688	--[2]	11.3	1,678.0	1,678.0	1,678.0	0.0
BE	16.92	900	3,169	9.9	1,690.1	1,690.1	1,690.7	0.6
BF	17.15	949	3,958	7.9	1,701.7	1,701.7	1,702.7	1.0
BG	17.35	870	3,224	9.7	1,711.8	1,711.8	1,712.4	0.6
BH	17.61	950	4,982	6.3	1,721.8	1,721.8	1,722.5	0.7
BI	17.83	809	3,083	10.2	1,731.0	1,731.0	1,731.0	0.0
BJ	18.11	610	4,109	7.6	1,743.5	1,743.5	1,744.0	0.5
BK	18.39	910	3,801	8.2	1,754.2	1,754.2	1,754.2	0.0
BL	18.77	770	4,037	7.0	1,769.5	1,769.5	1,769.9	0.4
BM	19.00	790	2,867	9.8	1,780.6	1,780.6	1,780.7	0.1
BN	19.21	680	4,109	6.8	1,790.4	1,790.4	1,790.6	0.2
BO	19.43	700	2,535	11.1	1,800.0	1,800.0	1,800.0	0.0
BP	19.63	730	3,384	8.3	1,812.9	1,812.9	1,812.9	0.0
BQ	19.97	1,170	4,200	6.7	1,826.1	1,826.1	1,826.3	0.2
BR	20.28	800	2,870	7.8	1,841.3	1,841.3	1,841.8	0.5

[1]Miles Above Confluence With New River [2]Data Not Available

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SKUNK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Skunk Creek (Continued)								
BS	20.44	850	3,761	7.5	1,849.8	1,849.8	1,850.6	0.8
BT	20.78	780	3,075	9.1	1,865.2	1,865.2	1,865.5	0.3
BU	21.05	700	3,242	8.7	1,878.7	1,878.7	1,879.3	0.6
BV	21.29	660	3,456	8.1	1,889.1	1,889.1	1,889.5	0.4
BW	21.64	1,410	4,125	6.8	1,907.4	1,907.4	1,907.4	0.0
BX	21.90	1,330	4,214	6.7	1,921.7	1,921.7	1,922.1	0.4
BY	22.11	1,097	3,871	7.3	1,932.0	1,932.0	1,932.1	0.1
BZ	22.30	1,230	3,535	7.9	1,940.4	1,940.4	1,940.8	0.4
CA	22.67	730	2,606	9.1	1,963.2	1,963.2	1,963.2	0.0
CB	22.86	600	3,137	7.6	1,972.8	1,972.8	1,973.4	0.6
CC	23.14	630	2,958	8.0	1,984.2	1,984.2	1,984.5	0.3
CD	23.47	420	2,205	10.8	2,002.0	2,002.0	2,002.6	0.6
CE	23.77	460	2,228	5.7	2,017.0	2,017.0	2,017.3	0.3
CF	24.03	210	1,086	11.6	2,026.7	2,026.7	2,026.7	0.0
CG	24.36	450	1,989	6.3	2,043.9	2,043.9	2,044.4	0.5
CH	24.60	340	1,356	9.3	2,054.8	2,054.8	2,055.2	0.4
CG	24.83	280	1,413	6.6	2,065.2	2,065.2	2,066.1	0.9
CJ	25.04	300	1,030	9.1	2,076.7	2,076.7	2,076.7	0.0
CK	25.32	710	1,916	4.9	2,088.9	2,088.9	2,089.8	0.9
CL	25.53	750	1,620	5.8	2,098.0	2,098.0	2,098.9	0.9
CM	25.82	650	1,045	6.9	2,120.1	2,120.1	2,121.1	1.0
CN	25.97	685	1,362	5.3	2,131.5	2,131.5	2,131.6	0.1
CO	26.19	418	1,252	5.7	2,143.7	2,143.7	2,143.7	0.0

[1]Miles Above Confluence With New River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SKUNK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Skunk Creek (Continued)								
CP	26.35	383	1,047	6.9	2,153.6	2,153.6	2,153.6	0.0
CQ	26.53	487	1,039	6.9	2,164.4	2,164.4	2,164.4	0.0
CR	26.77	273	856	8.4	2,179.1	2,179.1	2,179.1	0.0
CS	26.94	449	1,067	6.7	2,190.4	2,190.4	2,190.4	0.0
CT	27.05	249	873	8.2	2,196.4	2,196.4	2,196.4	0.0
CU	27.37	193	461	7.9	2,220.3	2,220.3	2,220.3	0.0
CV	27.56	288	608	6.0	2,235.7	2,235.7	2,235.7	0.0
CW	27.69	137	375	9.7	2,245.5	2,245.5	2,245.5	0.0
CX	27.81	80	320	11.4	2,254.7	2,254.7	2,254.7	0.0

[1]Miles Above Confluence With New River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SKUNK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Buchanan Wash								
A	0.710	658	4041	0.6	1460.4	1460.4	1461.4	1.0
B	0.782	557	2637	0.9	1460.4	1460.4	1461.4	1.0
C	0.890	178	518	4.4	1460.5	1460.5	1461.4	0.9
D	0.985	124	507	4.5	1463.2	1463.2	1464.2	1.0
E	1.120	93	438	5.3	1466.6	1466.6	1467.4	0.8
F	1.207	96	401	5.7	1469.0	1469.0	1470.0	1.0
G	1.288	103	469	4.9	1471.6	1471.6	1472.5	0.9
H	1.383	69	351	6.6	1474.3	1473.3	1475.1	0.8
I	1.483	69	358	4.5	1477.3	1477.3	1478.3	1.0
J	1.572	113	430	3.7	1479.0	1479.0	1479.9	0.9
K	1.638	62	244	6.6	1480.6	1480.6	1481.4	0.8
L	1.695	122	418	3.8	1482.6	1482.6	1483.6	1.0
M	1.761	61	239	6.7	1484.5	1484.5	1485.2	0.7
N	1.856	50	298	5.4	1487.5	1487.5	1488.5	1.0
O	1.951	66	353	4.6	1489.5	1489.5	1490.5	1.0
P	2.045	111	352	4.6	1491.9	1491.9	1492.8	0.9
Q	2.121	43	205	6.4	1494.4	1494.4	1495.2	0.8
R	2.200	187	587	2.2	1496.0	1496.0	1496.9	0.9

[1]Miles Above Confluence With Skunk Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

BUCHANAN WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Scatter Wash								
A	1,185	128	526	11.6	1,314.3	1,314.3	1,314.3	0.0
B	2,180	310	1,136	5.4	1,317.1	1,317.1	1,317.1	0.0
C	4,385	240	1,022	6.0	1,329.9	1,329.9	1,330.7	0.8
D	5,969	380	1,171	5.2	1,336.4	1,336.4	1,337.2	0.8
E	7,553	350	1,277	4.8	1,344.2	1,344.2	1,345.0	0.8
F	8,609	320	993	6.1	1,349.6	1,349.6	1,350.4	0.8
G	10,721	250	1,423	4.3	1,360.1	1,360.1	1,361.1	1.0

[1]Feet Above Confluence With Skunk Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SCATTER WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Scatter Wash, North Branch								
A	1,056	115	619	5.7	1,363.8	1,363.8	1,364.6	0.8
B	2,112	150	695	5.0	1,368.8	1,368.8	1,369.3	0.5
C	3,168	60	318	11.0	1,374.6	1,374.6	1,375.2	0.6
D	4,224	100	473	7.0	1,379.9	1,379.9	1,380.2	0.3
E	6,864	200	783	4.2	1,395.7	1,395.7	1,395.9	0.2
F	7,920	210	852	3.6	1,402.2	1,402.2	1,403.2	1.0
Scatter Wash, South Branch								
A	1,584	440	1,011	2.6	1,368.9	1,368.9	1,369.8	0.9
B	3,168	300	528	4.9	1,379.3	1,379.3	1,379.7	0.4
C	4,752	400	897	2.9	1,390.1	1,390.1	1,390.9	0.8
D	6,080	400	627	3.6	1,398.1	1,398.1	1,398.6	0.5
E	8,885	200	497	4.6	1,411.3	1,411.3	1,411.9	0.6

[1]Feet Above Confluence With Scatter Wash

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SCATTER WASH, NORTH BRANCH - SCATTER WASH, SOUTH BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Andora Hills Wash								
A	0.15	125	292	8.8	2,013.3	2,013.3	2,013.3	0.0
B	0.23	269	318	8.1	2,022.6	2,022.6	2,022.6	0.0
C	0.29	104	275	9.4	2,032.1	2,032.1	2,032.1	0.0
D	0.44	222	322	8.0	2,048.4	2,048.4	2,048.4	0.0
E	0.59	280	382	6.8	2,066.5	2,066.5	2,066.5	0.0
F	0.73	113	313	8.2	2,079.4	2,079.4	2,079.4	0.0
G	0.85	321	384	6.7	2,097.0	2,097.0	2,097.0	0.0
H	0.90	849	7,884	0.3	2,111.0	2,111.0	2,111.0	0.0
I	0.97	215	322	8.0	2,111.5	2,111.5	2,111.5	0.0
J	1.06	96	222	9.2	2,120.4	2,120.4	2,120.4	0.0
K	1.13	67	205	10.0	2,127.1	2,127.1	2,127.1	0.0
L	1.22	79	245	8.4	2,134.0	2,134.0	2,134.0	0.0
M	1.33	137	276	7.4	2,142.8	2,142.8	2,142.8	0.0
N	1.42	69	226	9.1	2,152.0	2,152.0	2,152.0	0.0
O	1.57	88	207	8.8	2,166.9	2,166.9	2,166.9	0.0
P	1.67	87	221	8.2	2,174.1	2,174.1	2,174.1	0.0
Q	1.82	93	216	8.4	2,186.5	2,186.5	2,186.5	0.0
R	1.88	148	361	5.0	2,191.2	2,191.2	2,191.2	0.0
S	1.99	82	201	9.0	2,201.1	2,201.1	2,201.1	0.0
T	2.07	61	184	9.9	2,214.1	2,214.1	2,214.1	0.0
U	2.23	72	151	8.4	2,240.9	2,240.9	2,240.9	0.0
V	2.35	90	178	7.1	2,253.4	2,253.4	2,253.4	0.0
W	2.46	93	184	6.9	2,261.6	2,261.6	2,261.6	0.0
X	2.58	107	171	7.4	2,272.2	2,272.2	2,272.2	0.0
Y	2.68	59	173	7.4	2,279.8	2,279.8	2,279.8	0.0
Z	2.76	77	162	7.8	2,287.0	2,287.0	2,287.0	0.0
AA	2.92	117	217	3.3	2,295.7	2,295.7	2,295.7	0.0

[1]Miles Above Confluence With Cave Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

ANDORA HILLS WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Atchison, Topeka & Santa Fe Railway Channel								
A	0.24[1]	30	112	3.9	1,128.8	1,127.2[2]	1,127.7[2]	0.5
B	0.46[1]	30	128	3.1	1,128.8	1,128.7[2]	1,129.4[2]	0.7
C	0.63[1]	30	83	4.8	1,130.5	1,130.5	1,131.3	0.8
D	0.86[1]	30	73	4.6	1,136.0	1,136.0	1,136.6	0.6
E	1.11[1]	30	66	4.6	1,141.6	1,141.6	1,142.3	0.7
F	1.27[1]	30	41	6.7	1,148.1	1,148.1	1,148.7	0.6
Casandro Wash								
A	0.355[3]	190	236	6.35	2,076.3	2,076.3	2,076.5	0.2
B	0.555[3]	271	259	5.78	2,092.0	2,092.0	2,092.0	0.0
C	0.755[3]	273	267	5.63	2,110.0	2,110.0	2,110.0	0.0
D	0.955[3]	105	194	7.72	2,127.5	2,127.5	2,127.5	0.0
E	1.455[3]	126	206	7.28	2,181.9	2,181.9	2,181.9	0.0
F	1.900[3]	196	254	3.50	2,215.5	2,215.5	2,215.5	0.0
G	2.460[3]	164	271	2.95	2,253.0	2,253.0	2,253.0	0.0
H	2.560[3]	169	378	2.21	2,258.8	2,258.8	2,258.8	0.0
South Branch Casandro Wash								
A	0.375[3]	157	122	4.50	2,245.5	2,245.5	2,245.5	0.0
B	0.565[3]	105	128	3.91	2,257.4	2,257.4	2,257.4	0.0
C	0.730[3]	98	104	4.81	2,272.1	2,272.1	2,272.1	0.0

[1]Miles Above Confluence With Agua Fria River
[2]Elevation Computed Without Consideration of Backwater From Agua Fria River
[3]Miles Above Mouth

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

ATCHISON, TOPEKA & SANTA FE RAILWAY CHANNEL - CASANDRO WASH - SOUTH BRANCH CASANDRO WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Cave Creek								
A	15.28	974	2,201	5.5	1,237.2	1,237.2	1,238.2	1.0
B	15.53	723	2,346	5.1	1,241.4	1,241.4	1,242.3	0.9
C	15.64	672	2,474	4.9	1,243.0	1,243.0	1,243.8	0.8
D	15.85	348	1,516	7.9	1,248.2	1,248.2	1,249.0	0.8
E	15.94	300	2,070	5.8	1,252.3	1,252.3	1,252.9	0.6
F	16.00	202	1,412	8.5	1,253.1	1,253.1	1,253.3	0.2
G	16.12	267	1,664	7.2	1,254.5	1,254.5	1,255.1	0.6
H	16.23	229	1,114	10.8	1,256.6	1,256.6	1,256.6	0.0
I	16.35	254	1,318	9.1	1,259.7	1,259.7	1,260.3	0.6
J	16.46	160	1,365	8.8	1,261.8	1,261.8	1,262.6	0.8
K	16.58	205	1,534	7.8	1,264.2	1,264.2	1,264.5	0.3
L	16.70	324	1,669	7.2	1,266.0	1,266.0	1,266.1	0.1
M	16.83	167	943	12.7	1,268.2	1,268.2	1,268.2	0.0
N	16.92	172	1,306	10.0	1,271.7	1,271.7	1,272.1	0.4
O	17.00	124	866	15.0	1,273.3	1,273.3	1,273.6	0.3
P	17.06	290	2,620	5.0	1,277.8	1,277.8	1,278.3	0.5
Q	17.26	196	1,307	9.9	1,278.0	1,278.0	1,278.8	0.8
R	17.37	225	2,062	6.3	1,280.2	1,280.2	1,281.0	0.8
S	17.49	210	1,090	11.9	1,281.1	1,281.1	1,281.6	0.5
T	17.57	357	2,067	5.8	1,284.4	1,284.4	1,284.9	0.5
U	17.67	280	2,243	5.4	1,285.0	1,285.0	1,285.8	0.8
V	17.77	195	946	12.7	1,286.2	1,286.2	1,286.5	0.3
W	17.93	200	1,316	9.1	1,293.9	1,293.9	1,294.3	0.4
X	18.05	86	1,201	10.0	1,297.6	1,297.6	1,298.3	0.7
Y	18.39	--[2]	1,510	7.3	1,299.7	1,299.7	1,300.1	0.4
Z	18.53	--[2]	1,205	9.1	1,301.0	1,301.0	1,301.2	0.2

[1]Miles Above Confluence With Salt River [2]Floodway Contained In Channel

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

CAVE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Cave Creek								
AA	18.68	--[2]	843	13.1	1,303.4	1,303.4	1,303.4	0.0
AB	18.75	--[2]	1,203	9.1	1,306.2	1,306.2	1,306.2	0.0
AC	18.89	--[2]	1,097	10.0	1,308.0	1,308.0	1,308.0	0.0
AD	18.96	--[2]	1,461	7.5	1,309.6	1,309.6	1,309.6	0.0
AE	19.05	--[2]	818	13.4	1,309.8	1,309.8	1,309.8	0.0
AF	19.16	--[2]	1,058	10.4	1,315.3	1,315.3	1,315.3	0.0
AG	19.24	--[2]	1,089	10.1	1,316.6	1,316.6	1,316.6	0.0
AH	19.28	--[2]	959	11.5	1,317.1	1,317.1	1,317.1	0.0
AI	19.30	--[2]	740	14.9	1,319.9	1,319.9	1,319.9	0.0
AJ	19.33	--[2]	1,432	7.7	1,324.0	1,324.0	1,324.0	0.0
AK	19.42	--[2]	1,180	9.3	1,324.6	1,324.6	1,324.6	0.0
AL	19.56	115	827	14.5	1,326.4	1,326.4	1,326.7	0.3
AM	19.65	327[3]	1,336	4.3	1,331.7	1,331.7	1,332.2	0.5
AN	19.73	103	787	7.4	1,332.0	1,332.0	1,332.6	0.6
AO	19.83	87	676	8.6	1,332.8	1,332.8	1,333.7	0.9
AP	19.98	--[2]	440	9.5	1,336.0	1,336.0	1,336.0	0.0
AQ	20.04	158	400	10.5	1,338.8	1,338.8	1,338.8	0.0

[1]Miles Above Confluence With Salt River [2]Floodway Contained In Channel
[3]Combined Floodway for Cave Creek and East Fork Cave Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

CAVE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Cave Creek (Cont'd)								
BA	20.81	141	810	5.2	1,365.5	1,365.5	1,365.5	0.0
BB	20.88	--[2]	763	5.5	1,366.4	1,366.4	1,366.4	0.0
BC	20.95	--[2]	438	9.6	1,368.4	1,368.4	1,368.4	0.0
BD	21.01	163	427	9.8	1,372.8	1,372.8	1,372.8	0.0
BE	21.09	65	441	9.5	1,374.9	1,374.9	1,375.1	0.2
BF	21.15	--[2]	546	7.7	1,376.3	1,376.3	1,376.8	0.5
BG	21.28	--[2]	504	8.3	1,380.8	1,380.8	1,380.8	0.0
BH	21.35	123	668	6.3	1,382.4	1,382.4	1,382.5	0.1
BI	21.37	151	555	7.6	1,382.7	1,382.7	1,382.7	0.0
BJ	21.46	357	753	5.6	1,385.4	1,385.4	1,385.5	0.1
BK	21.55	110	482	8.7	1,387.9	1,387.9	1,387.9	0.0
BL	21.63	205	490	8.6	1,391.9	1,391.9	1,391.9	0.0
BM	21.70	83	432	9.7	1,393.6	1,393.6	1,394.0	0.4
BN	21.81	121	589	7.1	1,397.0	1,397.0	1,397.4	0.4
BO	21.88	371	681	6.2	1,398.8	1,398.8	1,399.3	0.5
BP	21.92	361	1,644	2.6	1,399.7	1,399.7	1,400.5	0.8
BQ	22.05	263	956	4.4	1,402.8	1,402.8	1,403.6	0.8
BR	22.25	299	906	4.6	1,408.2	1,408.2	1,409.1	0.9
BS	22.37	139	484	8.7	1,412.3	1,412.3	1,412.6	0.3
BT	22.44	307	1,580	2.7	1,414.7	1,414.7	1,415.5	0.8
BU	22.53	180	1,522	2.8	1,414.9	1,414.9	1,415.6	0.7
BV	23.18	--[2]	581	6.5	1,434.1	1,434.1	1,434.1	0.0
BW	23.36	212	799	4.8	1,443.5	1,443.5	1,444.2	0.7
BX	23.46	--[2]	297	12.1	1,449.3	1,449.3	1,449.3	0.0
BY	23.61	--[2]	341	10.6	1,454.6	1,454.6	1,454.6	0.0
BZ	23.64	87	478	7.5	1,456.1	1,456.1	1,456.1	0.0

[1]Miles Above Confluence With Salt River [2]Floodway Contained in Channel

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

CAVE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Cave Creek (Cont'd)								
CA	23.69	--[2]	398	9.0	1,456.5	1,456.5	1,456.5	0.0
CB	23.89	76	466	7.7	1,458.9	1,458.9	1,458.9	0.0
CC	23.99	--[2]	599	9.0	1,459.9	1,459.9	1,459.9	0.0
CD	24.05	--[2]	628	8.6	1,462.5	1,462.5	1,462.5	0.0
CE	24.07	88	1,500	3.6	1,463.5	1,463.5	1,463.5	0.0
CF	24.16	--[2]	2,353	2.3	1,463.8	1,463.8	1,463.9	0.1
CG	24.61	87	405	12.4	1,474.0	1,474.0	1,474.0	0.0
CH	24.71	210	868	5.8	1,480.5	1,480.5	1,480.8	0.3
CI	24.86	280	1,116	4.5	1,483.4	1,483.4	1,484.1	0.7
CJ	25.06	205	541	9.2	1,489.9	1,489.9	1,490.4	0.5
CK	25.12	225	1,077	4.6	1,492.2	1,492.2	1,493.2	1.0
CL	25.22	130	463	10.8	1,495.1	1,495.1	1,496.0	0.9
CM	25.29	185	810	6.2	1,499.7	1,499.7	1,500.7	1.0
CN	25.37	137	672	7.4	1,503.2	1,503.2	1,503.2	0.0
CO	25.42	86	472	10.6	1,504.1	1,504.1	1,504.5	0.4
CP	25.46	75	520	9.6	1,507.1	1,507.1	1,507.1	0.0
CQ	25.50	100	810	6.2	1,515.1	1,515.1	1,515.1	0.0
CR	25.57	150	965	4.1	1,515.4	1,515.4	1,515.8	0.4
CS	25.72	178	553	7.2	1,516.7	1,516.7	1,517.6	0.9
CT	29.000	450	3,088	11.9	1,833.3	1,833.3	1,833.3	0.0
CU	29.193	446	2,892	12.7	1,841.1	1,841.1	1,841.1	0.0
CV	29.386	551	4,316	8.5	1,848.6	1,848.6	1,849.6	1.0
CW	29.574	530	2,974	12.4	1,859.0	1,859.0	1,859.0	0.0
CX	29.703	535	3,064	12.0	1,866.2	1,866.2	1,866.3	0.1
CY	29.795	500	3,355	11.0	1,869.6	1,869.6	1,870.4	0.8
CZ	29.938	791	4,680	7.9	1,875.2	1,875.2	1,875.7	0.5

[1]Miles Above Confluence With Salt River [2]Floodway Contained in Channel

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

CAVE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Cave Creek (Cont'd)								
DA	30.104	730	3,553	10.4	1,880.2	1,880.2	1,880.2	0.0
DB	30.331	579	3,233	11.1	1,891.7	1,891.7	1,891.9	0.2
DC	30.644	327	2,596	13.8	1,909.9	1,909.9	1,909.9	0.0
DD	30.862	691	4,622	7.8	1,918.7	1,918.7	1,919.7	1.0
DE	31.057	783	3,220	11.2	1,928.2	1,928.2	1,928.8	0.6
DF	31.303	555	3,902	9.2	1,941.5	1,941.5	1,942.0	0.5
DG	31.485	551	3,128	11.5	1,949.4	1,949.4	1,949.9	0.5
DH	31.646	501	3,389	10.6	1,957.5	1,957.5	1,958.0	0.5
DI	31.820	301	2,573	14.0	1,965.0	1,965.0	1,965.5	0.5
DJ	32.032	435	4,406	8.1	1,973.4	1,973.4	1,974.2	0.8
DK	32.237	367	2,541	14.1	1,979.3	1,979.3	1,979.7	0.4
DL	32.466	502	3,929	9.1	1,991.6	1,991.6	1,992.3	0.7
DM	32.655	370	2,594	13.5	2,001.0	2,001.0	2,001.0	0.0
DN	32.911	461	3,848	10.0	2,013.1	2,013.1	2,013.9	0.8
DO	33.112	404	2,655	13.2	2,024.5	2,024.5	2,024.5	0.0
DP	33.316	338	3,204	10.9	2,033.9	2,033.9	2,034.0	0.1
DQ	33.468	279	2,444	14.3	2,042.7	2,042.7	2,042.7	0.0
DR	33.646	151	1,910	18.3	2,055.0	2,055.0	2,055.2	0.2
DS	33.741	283	3,832	9.1	2,062.4	2,062.4	2,062.4	0.0
DT	34.032	454	2,309	10.2	2,068.5	2,068.5	2,068.5	0.0
DU	34.202	259	1,730	13.6	2,078.1	2,078.1	2,078.1	0.0
DV	34.416	444	2,958	8.0	2,088.8	2,088.8	2,088.8	0.0
DW	34.615	362	1,990	11.9	2,099.6	2,099.6	2,099.6	0.0
DX	34.812	431	2,343	10.1	2,115.1	2,115.1	2,115.1	0.0
DY	35.005	580	2,596	9.1	2,124.9	2,124.9	2,124.9	0.0
DZ	35.204	715	2,613	9.0	2,137.0	2,137.0	2,137.0	0.0
EA	35.460	425	2,188	10.8	2,148.5	2,148.5	2,148.5	0.0

[1]Miles Above Confluence With Salt River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

CAVE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
East Fork Cave Creek								
A	0.080	377	1,276	7.1	1,332.8	1,332.8	1,332.8	0.0
B	0.120	260	760	11.8	1,332.8	1,332.8	1,332.8	0.0
C	0.170	255	1,498	6.0	1,335.4	1,335.4	1,335.4	0.0
D	0.240	166	1,402	6.4	1,335.8	1,335.8	1,335.8	0.0
E	0.310	213	1,552	5.8	1,338.6	1,338.6	1,339.1	0.5
F	0.405	270	1,657	5.4	1,339.4	1,339.4	1,340.1	0.7
G	0.495	169	726	12.4	1,342.5	1,342.5	1,342.5	0.0
H	0.845	180	1,181	7.5	1,350.4	1,350.4	1,351.1	0.7
I	0.965	230	1,603	5.6	1,352.0	1,352.0	1,353.0	1.0
J	1.145	170	1,306	6.8	1,355.0	1,355.0	1,355.4	0.4
K	1.225	220	1,044	8.0	1,356.0	1,356.0	1,356.6	0.6
L	1.345	460	1,684	5.0	1,359.0	1,359.0	1,359.6	0.6
M	1.445	400	1,343	6.3	1,361.0	1,361.0	1,361.6	0.6
N	1.805	449	1,617	5.2	1,372.8	1,372.8	1,373.7	0.9

[1]Miles Above Confluence With Cave Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

EAST FORK CAVE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Dreamy Draw Wash East								
A	0.04	250[2]	--[3]	--[3]	1,242.0	1,242.0	1,242.9	0.9
Echo Canyon Wash								
A	0.23	400	750	7.9	1,258.7	1,258.7	1,258.7	0.0
B	0.37	200	680	8.8	1,264.3	1,264.3	1,264.6	0.3
C	0.51	150	1,432	4.1	1,271.7	1,271.7	1,272.7	1.0
D	0.71	180	1,466	4.0	1,278.0	1,278.0	1,278.8	0.8
E	1.04	210	1,501	3.9	1,293.1	1,293.1	1,293.5	0.4
F	1.19	180	1,169	5.0	1,298.0	1,298.0	1,298.3	0.3
G	1.43	150	635	7.8	1,308.4	1,308.4	1,308.9	0.5
H	1.49	150	377	11.9	1,310.2	1,310.2	1,310.7	0.5
I	1.54	150	734	6.1	1,314.4	1,314.4	1,314.4	0.0
J	1.60	150	774	5.8	1,316.1	1,316.1	1,316.1	0.0
K	1.71	150	729	6.2	1,317.6	1,317.6	1,318.0	0.4
L	1.86	150	451	8.0	1,321.9	1,321.9	1,322.8	0.9
M	2.02	150	609	4.9	1,327.5	1,327.5	1,327.5	0.0
Flynn Lane Wash								
A	0.05	350	--[3]	--[3]	1,244.3	1,244.3	1,244.7	0.4
B	0.21	250	--[3]	--[3]	1,259.8	1,259.8	1,259.9	0.1
C	0.34	200	--[3]	--[3]	1,272.5	1,272.5	1,273.0	0.5
D	0.53	400	--[3]	--[3]	1,290.1	1,290.1	1,291.1	1.0

[1]Miles Above Mouth
[2]Combined Floodway for Dreamy Draw Wash East and Myrtle Avenue Wash
[3]Data Not Available

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

DREAMY DRAW WASH EAST - ECHO CANYON WASH - FLYNN LANE WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Flying "E" Wash								
A	1.800[1]	237	676	9.62	2,278.2	2,278.2	2,278.2	0.0
B	1.881[1]	484	1,148	5.66	2,286.4	2,286.4	2,286.4	0.0
C	1.955[1]	476	1,243	5.23	2,290.4	2,290.4	2,290.4	0.0
D	2.080[1]	474	1,356	4.79	2,297.2	2,297.2	2,297.2	0.0
E	2.234[1]	142	561	11.59	2,309.6	2,309.6	2,309.6	0.0
F	2.434[1]	499	943	6.89	2,322.0	2,322.0	2,322.0	0.0
Galloway Wash								
A	240[2]	206	1,320	14.3	2,032.3	2,032.3	2,032.3	0.0
B	630[2]	175	1,243	15.2	2,041.0	2,041.0	2,041.0	0.0
C	1,110[2]	259	1,431	13.2	2,050.1	2,050.1	2,050.1	0.0
D	1,780[2]	189	1,264	15.0	2,065.0	2,065.0	2,065.0	0.0
E	2,655[2]	392	1,688	11.3	2,080.2	2,080.2	2,080.2	0.0
F	3,770[2]	261	1,570	12.1	2,102.1	2,102.1	2,102.1	0.0
G	4,940[2]	251	1,107	12.1	2,122.5	2,122.5	2,122.5	0.0
H	5,700[2]	632	1,671	8.0	2,142.9	2,142.9	2,142.9	0.0
I	6,060[2]	525	1,476	9.1	2,149.9	2,149.9	2,149.9	0.0
J	6,830[2]	346	1,398	9.6	2,168.1	2,168.1	2,168.1	0.0
K	7,340[2]	242	1,147	11.7	2,179.2	2,179.2	2,179.2	0.0
L	8,180[2]	114	537	11.9	2,199.9	2,199.9	2,199.9	0.0
M	8,745[2]	118	562	11.4	2,209.8	2,209.8	2,209.8	0.0
N	8,995[2]	133	578	11.1	2,213.7	2,213.7	2,213.7	0.0
O	9,235[2]	104	516	12.4	2,220.3	2,220.3	2,220.3	0.0
P	9,615[2]	94	494	12.9	2,227.4	2,227.4	2,227.4	0.0
Q	9,805[2]	124	552	11.6	2,232.5	2,232.5	2,232.5	0.0
R	10,240[2]	433	845	7.6	2,241.3	2,241.3	2,241.3	0.0

[1]Miles Above Mouth [2]Feet Above Confluence Wtih Cave Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

FLYING "E" WASH - GALLOWAY WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Galloway Wash (Cont'd)								
S	10,710[1]	212	520	8.4	2,250.6	2,250.6	2,250.6	0.0
T	11,290[1]	316	575	7.6	2,265.8	2,265.8	2,265.8	0.0
U	11,890[1]	176	466	9.4	2,281.7	2,281.7	2,281.7	0.0
V	12,240[1]	163	458	9.6	2,288.4	2,288.4	2,288.4	0.0
W	12,880[1]	291	610	7.2	2,303.5	2,303.5	2,303.5	0.0
X	13,310[1]	112	261	9.0	2,312.6	2,312.6	2,312.6	0.0
Y	13,990[1]	137	367	6.4	2,322.0	2,322.0	2,322.0	0.0
Z	14,840[1]	399	339	6.9	2,348.4	2,348.4	2,348.4	0.0
AA	15,690[1]	59	58	5.7	2,368.9	2,368.9	2,368.9	0.0
AB	16,730[1]	51	59	5.6	2,392.8	2,392.8	2,392.8	0.0
Granite Reef Wash								
A	6,600[2]	40	135	10.5	1,203.4	1,203.4	1,203.4	0.0
B	7,700[2]	50	177	8.0	1,207.2	1,207.2	1,207.8	0.6
C	8,400[2]	63	216	6.6	1,208.7	1,208.7	1,209.3	0.6
D	9,300[2]	66	273	4.5	1,210.7	1,210.7	1,211.1	0.4
E	9,900[2]	47	373	3.3	1,213.6	1,213.6	1,213.6	0.0
F	11,200[2]	40	175	7.1	1,216.0	1,216.0	1,216.2	0.2
G	12,500[2]	40	162	7.6	1,218.7	1,218.7	1,218.9	0.2
H	13,700[2]	40	147	8.4	1,221.2	1,221.2	1,221.5	0.3
I	14,600[2]	40	211	5.9	1,223.3	1,223.3	1,223.5	0.2
J	15,700[2]	80	179	6.9	1,224.9	1,224.9	1,225.2	0.3

[1]Feet Above Confluence With Cave Creek [2]Feet Above Confluence With Salt River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

GALLOWAY WASH - GRANITE REEF WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Grapevine Wash								
A	0.15[1]	384	1,023	7.1	2,197.2	2,197.2	2,197.2	0.0
B	0.26[1]	291	779	9.4	2,207.3	2,207.3	2,207.3	0.0
C	0.32[1]	376	885	8.2	2,215.7	2,215.7	2,215.7	0.0
D	0.44[1]	238	495	7.5	2,229.8	2,229.8	2,229.8	0.0
E	0.58[1]	125	413	9.0	2,248.1	2,248.1	2,248.1	0.0
F	0.71[1]	127	393	9.5	2,263.6	2,263.6	2,263.6	0.0
G	0.78[1]	96	348	10.7	2,270.9	2,270.9	2,270.9	0.0
H	0.84[1]	90	105	2.1	2,277.5	2,277.5	2,277.5	0.0
I	0.89[1]	27	28	5.8	2,283.1	2,283.1	2,283.1	0.0
J	0.99[1]	55	42	4.0	2,296.8	2,296.8	2,296.8	0.0
Grass Wash								
A	5.54[2]	224	1,471	9.5	2,157.3	2,157.3	2,157.3	0.0
B	5.76[2]	1,030	5,350	2.6	2,159.6	2,159.6	2,160.1	0.5
C	6.14[2]	1,100	2,824	5.0	2,161.5	2,161.5	2,162.5	1.0
D	6.45[2]	1,000	3,666	3.8	2,166.8	2,166.8	2,167.4	0.6
E	6.81[2]	1,300	4,848	2.9	2,169.2	2,169.2	2,170.1	0.9
F	7.11[2]	1,050	2,953	4.7	2,172.7	2,172.7	2,173.0	0.3

[1]Miles Above Confluence With Galloway Wash [2]Miles Above Confluence With Centennial Wash

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

GRAPEVINE WASH - GRASS WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Indian Bend Wash								
A	12,400	787	2,753	7.3	1,199.1	1,199.1	1,199.1	0.0
B	13,540	700	3,174	6.3	1,202.7	1,202.7	1,202.7	0.0
C	14,150	498	3,117	6.4	1,203.7	1,203.7	1,203.8	0.1
D	15,000	395	4,028	5.0	1,204.8	1,204.8	1,204.9	0.1
E	15,400	386	3,683	5.4	1,207.0	1,207.0	1,207.0	0.0
F	16,500	503	2,626	7.6	1,212.3	1,212.3	1,212.6	0.3
G	17,500	867	4,368	4.6	1,214.0	1,214.0	1,214.3	0.3
H	18,700	685	2,054	9.7	1,217.3	1,217.3	1,217.3	0.0
I	19,600	719	2,379	8.4	1,219.8	1,219.8	1,219.9	0.1
J	20,724	258	1,989	10.1	1,223.1	1,223.1	1,223.2	0.1
K	21,403	648	4,565	4.4	1,225.7	1,225.7	1,225.7	0.0
L	22,623	660	3,947	5.1	1,227.1	1,227.1	1,227.1	0.0
M	24,116	660	4,528	4.4	1,229.5	1,229.5	1,229.5	0.0
N	25,000	640	2,731	7.3	1,231.9	1,231.9	1,231.9	0.0
O	26,112	140	3,307	5.1	1,238.7	1,238.7	1,238.7	0.0
P	27,664	500	3,615	4.6	1,239.5	1,239.5	1,239.5	0.0
Q	30,000	470	2,875	5.8	1,245.0	1,245.0	1,245.0	0.0
R	31,000	470	2,590	6.4	1,246.0	1,246.0	1,246.0	0.0
S	31,982	745	4,011	4.0	1,255.5	1,255.5	1,255.5	0.0
T	32,950	685	3,704	4.2	1,255.8	1,255.8	1,255.8	0.0
U	34,100	638	1,644	9.4	1,259.2	1,259.2	1,259.2	0.0
V	35,400	817	3,144	4.4	1,263.1	1,263.1	1,263.1	0.0
W	42,900	1,350	7,226	2.4	1,284.4	1,284.4	1,285.1	0.7
X	45,000	1,710	4,166	4.1	1,290.2	1,290.2	1,290.2	0.0
Y	47,300	700	8,789	1.9	1,296.2	1,296.2	1,296.3	0.1
Z	48,325	870	2,026	7.9	1,298.7	1,298.7	1,299.0	0.3

[1]Feet Above Confluence With Salt River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

INDIAN BEND WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Indian Bend Wash (Cont'd)								
AA	48,748	710	2,880	5.6	1,300.3	1,300.3	1,300.8	0.5
AB	49,328	740	3,496	4.6	1,301.3	1,301.3	1,302.2	0.9
AC	50,331	800	2,855	5.6	1,303.8	1,303.8	1,304.6	0.8
AD	51,282	710	3,289	4.9	1,307.6	1,307.6	1,307.6	0.0
AE	52,282	760	2,894	5.5	1,310.0	1,310.0	1,310.2	0.2
AF	53,341	725	2,291	7.0	1,314.6	1,314.6	1,314.6	0.0
AG	54,344	688	3,321	4.8	1,317.7	1,317.7	1,317.9	0.2
AH	54,925	780	3,171	5.0	1,318.7	1,318.7	1,318.8	0.1
AI	55,099	706	2,060	7.8	1,319.0	1,319.0	1,319.1	0.1
AJ	55,105	746	2,330	6.9	1,319.2	1,319.2	1,319.2	0.0
AK	55,348	652	3,999	4.0	1,320.1	1,310.1	1,320.1	0.0
AL	56,298	648	1,797	8.9	1,321.7	1,321.7	1,321.7	0.0
AM	57,301	637	3,412	4.7	1,325.3	1,325.3	1,325.3	0.0
AN	58,304	652	1,719	8.4	1,327.1	1,327.1	1,327.1	0.0
AO	58,674	684	3,049	4.8	1,329.2	1,329.2	1,329.2	0.0
AP	58,954	666	2,159	6.7	1,329.4	1,329.4	1,329.4	0.0
AQ	58,959	595	1,779	8.2	1,329.4	1,329.4	1,329.4	0.0
AR	59,360	670	1,807	8.0	1,331.5	1,331.5	1,331.5	0.0
AS	60,364	651	2,387	6.1	1,336.5	1,336.5	1,336.5	0.0
AT	61,472	629	2,622	5.5	1,339.4	1,339.4	1,339.4	0.0
AU	62,317	659	1,683	8.6	1,342.8	1,342.8	1,342.8	0.0
AV	62,476	645	2,303	6.3	1,344.1	1,344.1	1,344.1	0.0
AW	63,479	658	3,408	4.3	1,346.2	1,346.2	1,346.2	0.0
AX	64,588	441	1,415	10.2	1,350.8	1,350.8	1,350.8	0.0

[1]Feet Above Confluence With Salt River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

INDIAN BEND WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Indian Bend Wash (Cont'd)								
AY	0.210	270	1,658	5.4	1,385.7	1,385.7	1,386.2	0.5
AZ	0.296	385	980	9.2	1,388.6	1,388.6	1,388.6	0.0
BA	0.408	399	1,686	5.3	1,391.5	1,391.5	1,391.5	0.0
BB	0.895	617	1,474	4.1	1,398.1	1,398.1	1,398.2	0.1
BC	1.013	408	1,406	4.3	1,399.9	1,399.9	1,400.0	0.1
BD	1.285	397	885	6.8	1,404.3	1,404.3	1,404.3	0.0
BE	1.430	390	1,179	5.1	1,407.3	1,407.3	1,407.5	0.2
BF	1.674	430	1,218	4.9	1,411.9	1,411.9	1,411.9	0.0
BG	1.825	369	1,295	4.6	1,413.7	1,413.7	1,414.0	0.3
BH	1.973	--[2]	538	4.5	1,414.8	1,414.8	1,415.2	0.4
BI	2.060	404	509	4.7	1,418.0	1,418.0	1,418.0	0.0

[1]Miles Above Cactus Road [2]Coincident With Channel Banks

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

INDIAN BEND WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Indian Bend Wash-Low Flow Channel								
O	26,112	720	891	3.6	1,234.2	1,234.2	1,234.2	0.0
P	27,664	350	65	4.8	1,240.2	1,240.2	1,240.3	0.1
Q	30,000	180	563	5.7	1,246.6	1,246.6	1,246.6	0.0
R	31,000	250	834	4.0	1,250.0	1,250.0	1,250.0	0.0
S	31,982	270	1,240	3.2	1,253.7	1,253.7	1,253.7	0.0
T	32,950	265	886	5.1	1,254.9	1,254.9	1,254.9	0.0
U	34,100	232	725	6.3	1,258.9	1,258.9	1,258.9	0.0
V	35,400	163	885	7.8	1,263.3	1,263.3	1,263.3	0.0

[1]Feet Above Confluence With Salt River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

INDIAN BEND WASH - LOW FLOW CHANNEL

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Little San Domingo Wash								
A	0	40	400	7.7	1,962.0	1,962.0	1,962.0	0.0
B	80	148	1,119	2.8	1,963.1	1,963.1	1,963.1	0.0
C	370	131	547	5.6	1,963.1	1,963.1	1,963.1	0.0
D	650	77	312	9.9	1,965.5	1,965.5	1,965.5	0.0
E	920	125	383	8.1	1,968.8	1,968.8	1,968.8	0.0
F	1,140	123	479	6.5	1,970.7	1,970.7	1,970.7	0.0
G	1,430	117	355	8.7	1,973.3	1,973.3	1,973.3	0.0
H	1,670	78	311	9.9	1,977.9	1,977.9	1,977.9	0.0
I	2,105	94	335	9.2	1,981.8	1,981.8	1,981.8	0.0
J	2,525	76	318	9.7	1,986.0	1,986.0	1,986.0	0.0
K	2,815	109	348	8.3	1,989.1	1,989.1	1,989.1	0.0
L	3,100	79	295	9.8	1,992.3	1,992.3	1,992.3	0.0
M	3,515	78	300	9.6	1,998.2	1,998.2	1,998.2	0.0
N	3,865	100	383	7.5	2,001.1	2,001.1	2,001.1	0.0

[1]Stream Distance In Feet Above U.S. Highways 60, 70 and 89

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE SAN DOMINGO WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Lower El Mirage Wash								
A	0.05[1]	50	99	2.5	1,115.4	1,115.4	1,116.4	1.0
B	0.21[1]	50	74	1.6	1,117.4	1,117.4	1,118.0	0.6
C	0.38[1]	50	28	4.3	1,122.9	1,122.9	1,122.9	0.0
Martinez Wash								
A	2,140[2]	1,365[3]	5,129	6.2	2,117.8	2,117.8	2,118.0	0.2
Mockingbird Wash								
A	1,425[2]	1,508	6,959	0.8	1,996.0	1,996.0	1,996.0	0.0
B	1,615[2]	1,380	3,734	1.4	1,996.0	1,996.0	1,996.0	0.0
C	1,905[2]	930	848	6.9	2,000.9	2,000.9	2,000.9	0.0
D	2,300[2]	392	712	7.8	2,012.3	2,012.3	2,012.3	0.0
E	2,580[2]	320	742	8.0	2,017.5	2,017.5	2,017.5	0.0
F	2,900[2]	411	678	7.8	2,023.0	2,023.0	2,023.0	0.0
G	3,325[2]	429	696	7.3	2,033.3	2,033.3	2,033.3	0.0
H	3,735[2]	566	765	6.7	2,041.9	2,041.9	2,041.9	0.0
I	4,085[2]	456	721	7.1	2,049.4	2,049.4	2,049.4	0.0
J	4,635[2]	465	595	6.5	2,064.4	2,064.4	2,064.4	0.0
K	4,960[2]	206	427	8.6	2,071.4	2,071.4	2,071.4	0.0
Moon Valley Wash								
A	0.45[4]	49	295	12.8	1,288.1	1,288.1	1,288.2	0.1
B	0.75[4]	66	347	10.9	1,299.0	1,299.0	1,299.0	0.0
C	0.88[4]	70	312	12.1	1,305.0	1,305.0	1,305.0	0.0

[1]Miles Above Cactus Road
[2]Feet Above Confluence With Hassayampa River
[3]Floodway Lies Entirely Outside County Limits
[4]Miles Above Confluence With Cave Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

LOWER EL MIRAGE WASH - MARTINEZ WASH - MOCKINGBIRD WASH - MOON VALLEY WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Myrtle Avenue Wash								
A	0.04[1]	250[2]	--[3]	--[3]	1,242.0	1,242.0	1,242.9	0.9
B	0.22[1]	250	--[3]	--[3]	1,260.2	1,260.2	1,260.8	0.6
Ocotillo Wash								
A	0.05[4]	98	449	12.1	2,039.2	2,039.2	2,039.2	0.0
B	0.13[4]	88	443	12.2	2,045.5	2,045.5	2,045.5	0.0
C	0.18[4]	104	452	12.0	2,049.1	2,049.1	2,049.1	0.0
D	0.23[4]	305	735	7.4	2,053.7	2,053.7	2,053.7	0.0
E	0.31[4]	204	596	9.1	2,064.6	2,064.6	2,064.6	0.0
F	0.39[4]	121	523	10.4	2,074.1	2,074.1	2,074.1	0.0
G	0.46[4]	89	460	11.8	2,080.4	2,080.4	2,080.4	0.0
H	0.55[4]	102	459	11.4	2,086.6	2,086.6	2,086.6	0.0
I	0.70[4]	87	426	12.3	2,099.6	2,099.6	2,099.6	0.0
J	0.78[4]	162	617	8.5	2,105.6	2,105.6	2,105.6	0.0
K	0.89[4]	187	542	9.6	2,114.2	2,114.2	2,114.2	0.0
L	0.92[4]	277	628	8.3	2,117.0	2,117.0	2,117.0	0.0
M	0.97[4]	454	806	6.2	2,123.2	2,123.2	2,123.2	0.0
N	1.14[4]	293	614	8.2	2,142.7	2,142.7	2,142.7	0.0
O	1.36[4]	390	679	7.4	2,165.4	2,165.4	2,165.4	0.0
P	1.47[4]	297	632	7.6	2,177.9	2,177.9	2,177.9	0.0
Q	1.56[4]	416	723	6.7	2,189.1	2,189.1	2,189.1	0.0
R	1.71[4]	188	515	9.4	2,207.0	2,207.0	2,207.0	0.0
S	1.83[4]	196	579	8.3	2,220.7	2,220.7	2,220.7	0.0
T	2.03[4]	186	528	8.8	2,243.7	2,243.7	2,243.7	0.0

[1]Miles Above Mouth
[2]Combined Floodway for Myrtle Avenue Wash and Dreamy Draw Wash East
[3]Data Not Available
[4]Miles Above Confluence With Cave Creek

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

MYRTLE AVENUE WASH - OCOTILLO WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Powder House Wash								
A	1,230	43	123	15.5	2,057.9	2,057.9	2,057.9	0.0
B	1,540	80	278	6.8	2,066.4	2,066.4	2,066.4	0.0
C	1,690	70	199	9.6	2,070.1	2,070.1	2,070.1	0.0
D	2,020	88	214	8.9	2,075.7	2,075.7	2,075.7	0.0
E	2,184	98	221	8.6	2,079.2	2,079.2	2,079.7	0.5
F	2,494	50	177	10.7	2,087.3	2,087.3	2,087.6	0.3
G	2,814	85	210	9.0	2,095.2	2,095.2	2,095.7	0.5
H	3,034	70	199	9.6	2,098.6	2,098.6	2,098.7	0.1
I	3,294	152	279	7.5	2,102.5	2,102.5	2,102.5	0.0
J	3,504	122	250	8.3	2,108.3	2,108.3	2,108.3	0.0
K	3,814	132	253	7.8	2,115.8	2,115.8	2,115.8	0.0
L	4,439	122	251	8.0	2,130.2	2,130.2	2,130.2	0.0
M	4,724	104	229	8.5	2,137.1	2,137.1	2,137.1	0.0
N	4,989	110	231	8.3	2,141.7	2,141.7	2,141.7	0.0
O	5,154	110	233	8.3	2,144.3	2,144.3	2,144.3	0.0
P	5,379	117	236	8.1	2,148.6	2,148.6	2,148.6	0.0
Q	5,769	135	247	7.7	2,157.9	2,157.9	2,157.9	0.0
R	6,179	90	217	8.9	2,166.9	2,166.9	2,166.9	0.0
S	6,579	65	198	10.0	2,178.6	2,178.6	2,178.6	0.0

[1]Feet Above Confluence With Hassayampa River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

POWDER HOUSE WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Rowe Wash								
A	280[1]	209	770	9.0	2,113.5	2,113.5	2,113.5	0.0
B	640[1]	184	692	10.0	2,120.9	2,120.9	2,120.9	0.0
C	1,180[1]	212	677	10.3	2,133.3	2,133.3	2,133.3	0.0
D	1,580[1]	346	849	8.2	2,145.0	2,145.0	2,145.0	0.0
E	2,020[1]	320	790	8.8	2,156.3	2,156.3	2,156.3	0.0
F	2,540[1]	335	855	8.0	2,170.0	2,170.0	2,170.0	0.0
G	3,340[1]	505	1,003	6.8	2,194.0	2,194.0	2,194.0	0.0
H	3,930[1]	625	1,026	6.7	2,209.7	2,209.7	2,209.7	0.0
I	4,580[1]	309	794	8.6	2,227.7	2,227.7	2,227.7	0.0
J	4,960[1]	463	981	7.0	2,238.2	2,238.2	2,238.2	0.0
K	5,410[1]	660	1,073	6.3	2,249.7	2,249.7	2,249.7	0.0
L	5,970[1]	587	928	7.3	2,265.6	2,265.6	2,265.6	0.0
M	6,480[1]	558	959	7.0	2,277.7	2,277.7	2,277.7	0.0
N	6,910[1]	476	951	7.1	2,291.7	2,291.7	2,291.7	0.0
O	7,440[1]	290	785	8.5	2,304.1	2,304.1	2,304.1	0.0
P	7,840[1]	328	775	8.6	2,314.5	2,314.5	2,314.5	0.0

[1]Feet Above Confluence With Galloway Wash

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

ROWE WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Sols Wash								
A	1,005	250	1,223	12.3	2,052.8	2,052.8	2,052.8	0.0
B	1,775	215	1,166	12.9	2,058.2	2,058.2	2,058.2	0.0
C	1,945	255	1,016	14.8	2,058.3	2,058.3	2,058.5	0.2
D	2,080	270	1,119	13.4	2,059.4	2,059.4	2,059.4	0.0
E	2,310	548	2,092	7.2	2,061.6	2,061.6	2,061.8	0.2
F	2,510	795	2,490	6.0	2,063.6	2,063.6	2,063.6	0.0
G	3,015	800[2]	1,997	7.2	2,067.7	2,067.7	2,067.8	0.1
H	3,525	940[2]	1,895	7.6	2,070.7	2,070.7	2,071.0	0.3
I	4,025	1,020[2]	1,561	9.2	2,074.9	2,074.9	2,075.2	0.3
J	4,590	1,280[2]	1,840	7.8	2,078.8	2,078.8	2,079.3	0.5
K	5,150	1,050[2]	1,843	7.8	2,084.0	2,084.0	2,084.0	0.0
L	5,770	880	1,954	7.4	2,088.4	2,088.4	2,088.4	0.0
M	6,705	1,120/ 790[3]	2,049	7.0	2,097.0	2,097.0	2,097.0	0.0
N	7,205	1,250/ 630[3]	2,103	6.9	2,101.1	2,101.1	2,101.1	0.0
O	7,705	1,084	2,184	6.6	2,105.9	2,105.9	2,106.4	0.5
P	8,195	1,003	2,192	6.6	2,111.0	2,111.0	2,111.0	0.0
Q	8,685	1,090	2,166	6.7	2,115.9	2,115.9	2,115.9	0.0
R	9,380	740	1,811	8.0	2,122.5	2,122.5	2,122.5	0.0
S	9,685	670	1,925	7.5	2,126.4	2,126.4	2,126.6	0.2
T	10,180	597	1,832	7.9	2,130.5	2,130.5	2,130.8	0.3
U	10,680	730	1,924	6.7	2,135.1	2,135.1	2,135.2	0.1
V	11,255	534	1,795	7.2	2,140.7	2,140.7	2,141.1	0.4

[1]Stream Distance In Feet Above Confluence With Hassayampa River
[2]Width Includes Floodway Width From Hospital Wash
[3]Total Width/Width Within Corporate Limits Of Town Of Wickenburg

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SOLS WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Sols Wash (Cont'd)								
W	11,685	289	1,367	9.5	2,145.5	2,145.5	2,145.6	0.1
X	12,300	305	1,371	9.4	2,149.9	2,149.9	2,150.3	0.4
Y	12,770	402	1,604	8.1	2,153.3	2,153.3	2,153.7	0.4
Z	13,425	508/0[2]	1,747	7.4	2,158.7	2,158.7	2,158.8	0.1
AA	13,975	490/0[2]	1,582	8.2	2,163.0	2,163.0	2,163.0	0.0
AB	14,215	470	1,341	9.7	2,166.2	2,166.2	2,166.3	0.1
AC	14,475	635	2,037	6.3	2,168.2	2,168.2	2,168.3	0.1
AD	14,970	790	1,594	8.0	2,171.7	2,171.7	2,172.0	0.3
AE	15,470	870/780[2]	1,523	8.4	2,175.9	2,175.9	2,176.0	0.1
AF	15,970	830/780[2]	1,354	9.5	2,180.5	2,180.5	2,180.5	0.0
AG	16,590	480	1,608	8.0	2,183.8	2,183.8	2,184.4	0.6
AH	17,050	602	1,783	7.0	2,186.9	2,186.9	2,187.4	0.5
AI	17,480	540	2,163	5.8	2,189.8	2,189.8	2,190.2	0.4
AJ	18,025	380	1,249	10.0	2,194.5	2,194.5	2,195.0	0.5
AK	18,550	403	1,646	7.6	2,199.5	2,199.5	2,199.5	0.0
AL	19,120	564	1,869	6.7	2,204.5	2,204.5	2,204.5	0.0
AM	19,795	447	1,467	8.5	2,209.6	2,209.6	2,209.6	0.0
AN	20,515	331	1,435	8.7	2,215.8	2,215.8	2,216.1	0.3

[1]Stream Distance in Feet Above Confluence With Hassayampa River
[2]Total Width/Width Within Corporate Limits of Town of Wickenburg

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SOLS WASH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Sols Wash (Cont'd)								
AO	21,285	398	1,465	8.5	2,222.4	2,222.4	2,222.4	0.0
AP	21,715	444	1,545	8.1	2,224.5	2,224.5	2,225.2	0.7
AQ	21,965	350	1,209	10.3	2,227.3	2,227.3	2,227.6	0.3
AR	22,525	200	1,490	8.2	2,233.3	2,233.3	2,233.3	0.0
AS	22,695	281	1,272	9.6	2,234.0	2,234.0	2,234.4	0.4
AT	22,735	290	1,384	8.8	2,235.1	2,235.1	2,235.1	0.0
AU	23,105	345	1,443	8.5	2,239.2	2,239.2	2,239.5	0.3
AV	23,715	750	2,095	5.8	2,241.7	2,241.7	2,242.6	0.9
AW	24,105	425	1,545	7.9	2,245.2	2,245.2	2,245.2	0.0
AX	24,640	309	1,128	10.9	2,248.8	2,248.8	2,249.0	0.2
AY	25,110	214	1,012	12.1	2,253.5	2,253.5	2,253.5	0.0
AZ	25,525	306	1,385	8.8	2,255.9	2,255.9	2,256.3	0.4
BA	26,105	304	1,151	10.5	2,259.8	2,259.8	2,259.9	0.1
BB	26,610	321	1,209	10.0	2,263.1	2,263.1	2,263.3	0.2
BC	27,105	344	1,162	10.4	2,267.4	2,267.4	2,267.6	0.2
BD	27,610	446	1,499	8.1	2,273.0	2,273.0	2,273.0	0.0
BE	28,045	601	1,958	5.3	2,275.3	2,275.3	2,275.7	0.4
BF	28,655	646	1,710	6.1	2,279.2	2,279.2	2,279.4	0.2
BG	29,170	497	1,531	6.8	2,282.8	2,282.8	2,283.0	0.2

[1]Stream Distance In Feet Above Confluence With Hassayampa River

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOODWAY DATA

SOLS WASH