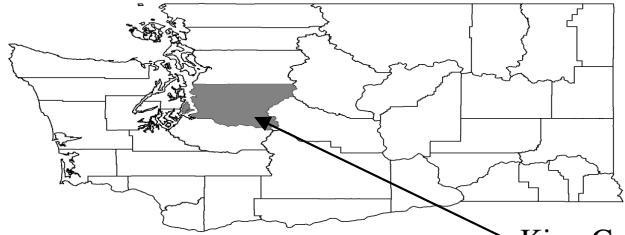


FLOOD INSURANCE STUDY



KING COUNTY, WASHINGTON AND INCORPORATED AREAS



King County

Volume 4 of 5

COMMUNITY NAME	COMMUNITY NUMBER	COMMUNITY NAME	COMMUNITY NUMBER
*ALGONA, CITY OF	530072	*MEDINA, CITY OF	530315
AUBURN, CITY OF	530073	*MERCER ISLAND, CITY OF	530083
*BEAUX ARTS VILLAGE, TOWN OF	530242	MUCKLESHOOT INDIAN TRIBE	530165
BELLEVUE, CITY OF	530074	NEWCASTLE, CITY OF	530134
BLACK DIAMOND, CITY OF	530272	NORMANDY PARK, CITY OF	530084
BOTHELL, CITY OF	530075	NORTH BEND, CITY OF	530085
BURIEN, CITY OF	530321	PACIFIC, CITY OF	530086
CARNATION, CITY OF	530076	REDMOND, CITY OF	530087
*CLYDE HILL, CITY OF	530279	RENTON, CITY OF	530088
COVINGTON, CITY OF	530339	SAMMAMISH, CITY OF	530337
DES MOINES, CITY OF	530077	SEATAC, CITY OF	590320
DUVALL, CITY OF	530282	SEATTLE, CITY OF	530089
ENUMCLAW, CITY OF	530319	SHORELINE, CITY OF	530327
FEDERAL WAY, CITY OF	530322	SKYKOMISH, TOWN OF	530236
*HUNTS POINT, TOWN OF	530288	SNOQUALMIE, CITY OF	530090
ISSAQUAH, CITY OF	530079	*SNOQUALMIE INDIAN TRIBE	530066
KENMORE, CITY OF	530336	TUKWILA, CITY OF	530091
KENT, CITY OF	530080	WOODINVILLE, CITY OF	530324
KING COUNTY, UNINCORPORATED AREAS	530071	*YARROW POINT, TOWN OF	530309
KIRKLAND, CITY OF	530081		
LAKE FOREST PARK, CITY OF	530082		
*MAPLE VALLEY, CITY OF	530078		

*No Special Flood Hazard Areas Identified

REVISED DATE: AUGUST 19, 2020



Federal Emergency Management Agency

Flood Insurance Study Number

53033CV004B

**NOTICE TO
FLOOD INSURANCE STUDY USERS**

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) report may not contain all data available within the Community Map Repository. Please contact the Community Map Repository for any additional data.

The Federal Emergency Management Agency (FEMA) may revise and republish part or all of this FIS report at any time. In addition, FEMA may revise part of this FIS report by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS report. Therefore, users should consult with community officials and check the Community Map Repository to obtain the most current FIS report components.

Selected Flood Insurance Rate Map panels for this community contain information that was previously shown separately on the corresponding Flood Boundary and Floodway Map panels (e.g., floodways, cross sections). In addition, former flood hazard zone designations have been changed as follows:

<u>Old Zone(s)</u>	<u>New Zone</u>
A1 through A30	AE
V1 through V30	VE
B	X
C	X

Initial Countywide FIS Effective Date: September 29, 1989

Revised Countywide Date(s): May 16, 1995
May 20, 1996
March 30, 1998
November 8, 1999
December 6, 2001
April 19, 2005
August 19, 2020

ATTENTION: On FIRM panels 53033C0663G, 53033C0664G, 53033C0957G, 53033C0959G, 53033C0966G, 53033C0967G, 53033C0969G, 53033C0976G, 53033C0977G, 53033C0978G, 53033C0979G, 53033C0986G, 53033C0988G, 53033C1232G, 53033C1251G, 53033C1253G, and 53033C1254G the Green River (except Horseshoe Bend, Fenster, Muellen, Potter, Neeley, and Hammakami) levees have not been demonstrated by the community or levee owners to meet the requirements of Section 65.10 of the NFIP regulations in 44 CFR as it relates to the levee's capacity to provide 1-percent- annual -chance flood protection. The subject areas are identified on FIRM panels (with notes and bounding lines) and in the FIS report as potential areas of flood hazard data changes based on further review.

FEMA has updated the levee analysis and mapping procedures for non-accredited levees. Until such time as FEMA is able to initiate a new flood risk project to apply the new procedures, the flood hazard information on the aforementioned FIRM panels that are affected by the Green River (except Horseshoe Bend, Fenster, Muellen, Potter, Neeley, and Hammakami) levees are being added as a snapshot of the prior previously effective information presented on the FIRMs and FIS reports dated May 16, 1995. As indicated above, it is expected that affected flood hazard data within the subject area could be significantly revised. This may result in floodplain boundary changes, 1-percent- annual -chance flood elevation changes, and/or changes to flood hazard zone designations. The effective FIRM panels (and the FIS report) will again be revised at a later date to update the flood hazard information associated with the Green River (except Horseshoe Bend) levees when FEMA is able to initiate and complete a new flood risk project to apply the updated levee analysis and mapping procedures.

TABLE OF CONTENTS

Volume 1 – August 19, 2020

	<u>Page</u>
1.0 <u>INTRODUCTION</u>	1
1.1 Purpose of Study	1
1.2 Authority and Acknowledgements	2
1.3 Coordination	7
1.3.1 Revision 1 – Miller Creek.....	16
1.3.2 Revision 2 – Snoqualmie River	16
1.3.3 Revision 3 – Raging River.....	16
1.3.4 Revision 4 – North Fork Issaquah Creek, Bear Creek, Evans Creek, Middle Fork Snoqualmie River, South Fork Skykomish River, Upper Middle Fork Snoqualmie River, North Fork River, Tate Creek, South Fork Snoqualmie River	16
1.3.5 Revision 5 – North Creek	18
1.3.6 Revision 6 – Tolt River, Upper South Fork Snoqualmie River	18
1.3.7 Revision 7 – Snoqualmie River, Issaquah Creek.....	18
1.3.8 Revision 8 – Patterson Creek, Lower Snoqualmie River, Springbrook Creek, Cedar River, Green River	19
1.3.9 Revision 9 – Puget Sound, Sammamish, White River	21
1.3.10 Revision 10 – Thornton Creek.....	22
1.3.11 Revision 11 – Horseshoe Bend Levee	22
2.0 <u>AREA STUDIED</u>	22
2.1 Scope of Study	22
2.1.1 Revision 1 – Miller Creek.....	29
2.1.2 Revision 2 – Snoqualmie River	29
2.1.3 Revision 3 – Raging River.....	30
2.1.4 Revision 4 – North Fork Issaquah Creek, Bear Creek, Evans Creek, Middle Fork Snoqualmie River, South Fork Skykomish River, Upper Middle Fork Snoqualmie River, North Fork River, Tate Creek	30
2.1.5 Revision 5 – North Creek	31
2.1.6 Revision 6 – Tolt River, Upper South Fork Snoqualmie River	32
2.1.7 Revision 7 – Snoqualmie River, Issaquah Creek.....	32
2.1.8 Revision 8 – Patterson Creek, Lower Snoqualmie River, Springbrook Creek, Cedar River, Green River, Kelsey Creek.....	32
2.1.9 Revision 9 – Puget Sound, Sammamish River, White River.....	34
2.1.10 Revision 10 – Thornton Creek.....	35
2.1.11 Revision 11 – Horseshoe Bend Levee	36
2.2 Community Description.....	38
2.3 Principal Flood Problems.....	43

TABLE OF CONTENTS (continued)

2.3.1	Revision 1 – Miller Creek.....	57
2.3.2	Revision 2 – Snoqualmie River	58
2.3.3	Revision 3 – Raging River.....	58
2.3.4	Revision 4 – North Fork Issaquah Creek.....	58
2.3.5	Revision 5 – North Creek	59
2.3.6	Revision 6 – Tolt River, Upper South Fork Snoqualmie.....	59
2.3.7	Revision 7 – Snoqualmie River	60
2.3.8	Revision 8 – Patterson Creek, Lower Snoqualmie River, Springbrook Creek, Cedar River, Green River, Kelsey Creek.....	60
2.3.9	Revision 9 – Puget Sound, Sammamish River, White River.....	63
2.3.10	Revision 10 – Thornton Creek.....	63
2.3.11	Revision 11 – Horseshoe Bend Levee	64
2.4	Flood Protection Measures	64
2.4.1	Revision 1 – Miller Creek.....	69
2.4.2	Revision 2 – Snoqualmie River	69
2.4.3	Revision 3 – Raging River.....	69
2.4.4	Revision 4 – North Fork Issaquah Creek.....	69
2.4.5	Revision 5 – North Creek	69
2.4.6	Revision 6 – Tolt River, Upper South Fork Snoqualmie.....	69
2.4.7	Revision 7 – Snoqualmie River, Issaquah Creek.....	69
2.4.8	Revision 8 – Patterson Creek, Cedar River, Green River, Kelsey Creek	69
2.4.9	Revision 9 – Puget Sound, Sammamish River, White River.....	71
2.4.10	Revision 10 – Thornton Creek.....	71
2.4.11	Revision 11 – Horseshoe Bend Levee	72
3.0	<u>ENGINEERING METHODS</u>	72
3.1	Hydrologic Analyses.....	73
3.1.1	Revision 1 – Miller Creek.....	78
3.1.2	Revision 2 – Snoqualmie River	80
3.1.3	Revision 3 – Raging River.....	80
3.1.4	Revision 4 – North Fork Issaquah Creek, Bear Creek, Middle Fork Snoqualmie River, South Fork Skykomish River, North Fork Snoqualmie River	80
3.1.5	Revision 5 – North Creek	83
3.1.6	Revision 6 – Tolt River, Upper South Fork Snoqualmie, Middle and South Fork Snoqualmie River	84
3.1.7	Revision 7 – Snoqualmie River, Issaquah Creek.....	85
3.1.8	Revision 8 – Patterson Creek, Lower Snoqualmie River, Springbrook Creek, Cedar River, Green River, Kelsey Creek.....	87
3.1.9	Revision 9 – Sammamish River, White River	91
3.1.10	Revision 10 – Thornton Creek.....	94
3.1.11	Revision 11 – Horseshoe Bend Levee	95
3.2	Hydraulic Analyses.....	108
3.2.1	Revision 1 – Miller Creek.....	113
3.2.2	Revision 2 – Snoqualmie River	115
3.2.3	Revision 3 – Raging River.....	116

TABLE OF CONTENTS (continued)

3.2.4	Revision 4 – North Fork Issaquah Creek, Bear Creek, Evans Creek, Cottage Lake Creek, Middle Fork Snoqualmie River, South Fork Skykomish River, North Fork Snoqualmie River.....	118
3.2.5	Revision 5 – North Creek	128
3.2.6	Revision 6 – Tolt River, Upper South Fork Snoqualmie.....	130
3.2.7	Revision 7 – Snoqualmie River, Issaquah Creek.....	131
3.2.8	Revision 8 – Patterson Creek, Lower Snoqualmie River, Springbrook Creek, Cedar River, Green River, Kelsey Creek.....	136
3.2.8.1	Springbrook Creek.....	149
3.2.8.2	Green River	149
3.2.9	Revision 9 – Sammamish River, White River.....	159
3.2.10	Revision 10 – Thornton Creek.....	164
3.2.11	Revision 11 – Horseshoe Bend Levee	170

Volume 2 – August 19, 2020

3.3	Wave Height Analysis	174
3.4	Vertical Datum.....	175
4.0	<u>FLOODPLAIN MANAGEMENT APPLICATIONS</u>	178
4.1	Floodplain Boundaries	178
4.2	Floodways.....	180
4.3	Base Flood Elevations	282
4.4	Velocity Zones.....	282
5.0	<u>INSURANCE APPLICATION</u>	283
6.0	<u>FLOOD INSURANCE RATE MAP</u>	284
7.0	<u>OTHER STUDIES</u>	285
8.0	<u>LOCATION OF DATA</u>	285
9.0	<u>BIBLIOGRAPHY AND REFERENCES</u>	287
10.0	<u>REVISION DESCRIPTIONS</u>	304
10.1	First Revision.....	304
10.2	Second Revision	304
10.3	Third Revision	306
10.4	Fourth Revision.....	306
10.5	Fifth Revision	306
10.6	Sixth Revision.....	307
10.7	Seventh Revision	307
10.8	Eighth Revision.....	308
10.9	Ninth Revision	315
10.10	Tenth Revision.....	316
10.11	Eleventh Revision.....	316

Table of Contents (continued)

FIGURES

Volume 2 – August 19, 2020

Figure 1 – Transect Schematic.....	175
Figure 2 – Floodway Schematic	282

TABLES

Volume 1 – August 19, 2020

Table 1 – USGS Gages	74
Table 2 – Summary of Discharges.....	97
Table 3 – Summary of Elevations.....	108
Table 4 – Manning's “n” values.....	172

Volume 2 – August 19, 2020

Table 5 – Datum Conversion Factors	176
Table 6 – Floodway Data.....	182
Table 7 – Community Map History.....	286

EXHIBIT

Volume 3 – August 19, 2020

Exhibit 1 – Flood Profiles

Bear Creek	Panels	01P-10P
Big Soos Creek	Panels	11P-20P
Black River	Panel	21P
Cedar River	Panels	22P-33P
Cherry Creek	Panel	34P
Coal Creek	Panels	35P-38P
Cottage Lake Creek	Panels	39P-44P
Des Moines Creek	Panel	45P
East Branch of West Tributary Kelsey Creek	Panels	46P-49P
East Branch Upper Vasa Creek	Panels	50P
East Fork Issaquah Creek	Panels	51P-53P
Evans Creek	Panels	54P-55P

Table of Contents (continued)

EXHIBIT (continued)

Volume 3 – August 19, 2020

Exhibit 1 – Flood Profiles (continued)

Forbes Creek	Panels	56P-60P
Gardiner Creek	Panel	61P
Gilman Boulevard Overflow Issaquah Creek	Panel	62P
Green River	Panels	63P-84P
Greenwater River	Panels	85P-87P
Holder Creek	Panel	88P
Issaquah Creek	Panels	89P-96P
Kelsey Creek	Panels	97P-104P
Little Bear Creek	Panels	105P-106P
Longfellow Creek	Panels	107P-111P
Lower Overflow	Panel	112P
Lyon Creek	Panels	113P-114P

Volume 4 – August 19, 2020

Maloney Creek	Panels	115P
May Creek	Panels	116P-121P
May Creek Tributary	Panel	122P
McAleer Creek	Panels	123P-125P
Mercer Creek	Panel	126P
Meydenbauer Creek	Panels	127P-128P
Middle Fork Snoqualmie River	Panels	129P-134P
Middle Overflow	Panel	135P
Mill Creek-Auburn	Panels	136P-141P
Mill Creek-Kent	Panels	142P-146P
Miller Creek	Panels	147P-150P
North Branch Mercer Creek (North Valley)	Panels	151P-155P
North Creek	Panels	156P-157P
North Fork Issaquah Creek	Panel	158P
North Fork Meydenbauer Creek	Panel	159P
North Fork Snoqualmie River	Panels	160P-161P
Patterson Creek	Panels	162P-165P
Patterson Creek Overflow Reach	Panel	166P
Raging River	Panels	167P-174P
Richards Creek	Panels	175P-186P
Richards Creek East Tributary	Panel	187P
Richards Creek West Tributary	Panel	188P
Right Channel Mercer Creek	Panel	189P
Rolling Hills Creek	Panel	190P
Sammamish River	Panels	191P-196P
Snoqualmie River	Panels	197P-212P
Snoqualmie River Overflow Reach 1	Panels	213P-214P
Snoqualmie River Overflow Reach 2	Panels	215P-216P

Table of Contents (continued)

EXHIBIT (continued)

Volume 4 – August 19, 2020 (continued)

Exhibit 1 – Flood Profiles (continued)

Snoqualmie River Overflow Reach 3	Panels	217P-218P
Snoqualmie River Overflow Reach 4	Panel	219P
Snoqualmie River Overflow Reach 5	Panels	220P-221P

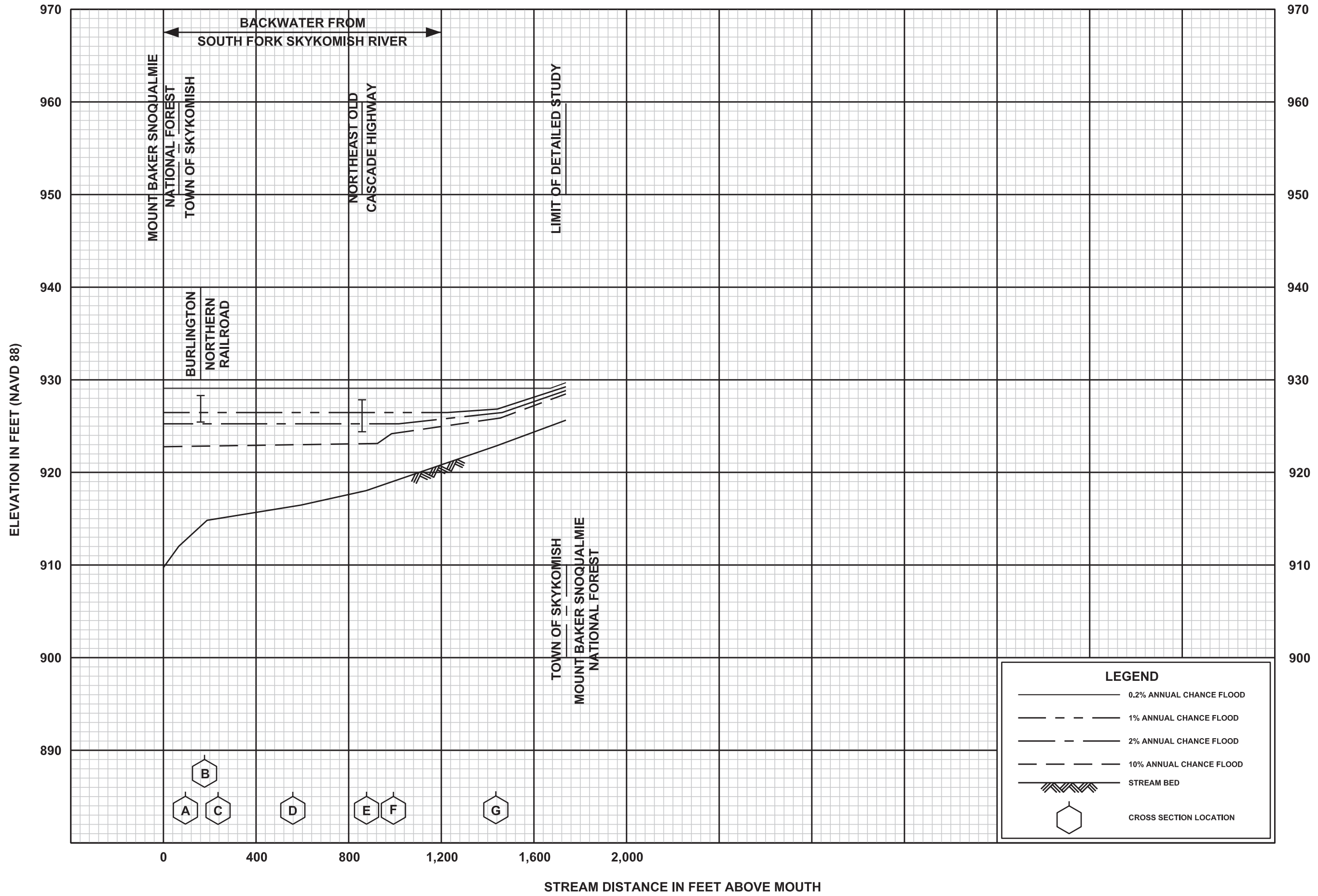
Volume 5 – August 19, 2020

Snoqualmie River Overflow Reach 6	Panel	222P
South Fork Skykomish River	Panels	223P-233P
South Fork Snoqualmie River (Without Levees)	Panel	234P
South Fork Snoqualmie River (With Levees)	Panels	235P-241P
South Fork Snoqualmie River (Without Left Levee)	Panels	242P-246P
South Fork Snoqualmie River (Without Right Levee)	Panels	247P-251P
Springbrook Creek	Panels	252P-254P
Squib Creek (Upper Vasa Creek)	Panels	255P-256P
Swamp Creek	Panels	257P-259P
Swamp Creek Overbank	Panel	260P
Thornton Creek Mainstem/North Branch	Panels	261P-282P
Thornton Creek Overflow	Panel	283P
Thornton Creek Overflow Bypass	Panel	284P
Thornton Creek South Branch	Panels	285P-294P
Tibbetts Creek	Panels	295P-299P
Tolt River (With Levee)	Panels	300P-302P
Tolt River (Without Left Levee)	Panel	303P
Tolt River (Without Right Levee)	Panel	304P
Upper North Overflow	Panel	305P
Upper South Overflow	Panel	306P
Vasa Creek (Lower Vasa Creek)	Panels	307P-308P
Walker Creek	Panel	309P
West Fork Issaquah Creek	Panels	310P-311P
West Tributary Kelsey Creek	Panels	312P-316P
White River	Panels	317P-325P
White River (Left Bank Overflow)	Panel	326P
Yarrow Creek	Panels	327P-328P

PUBLISHED SEPARATELY

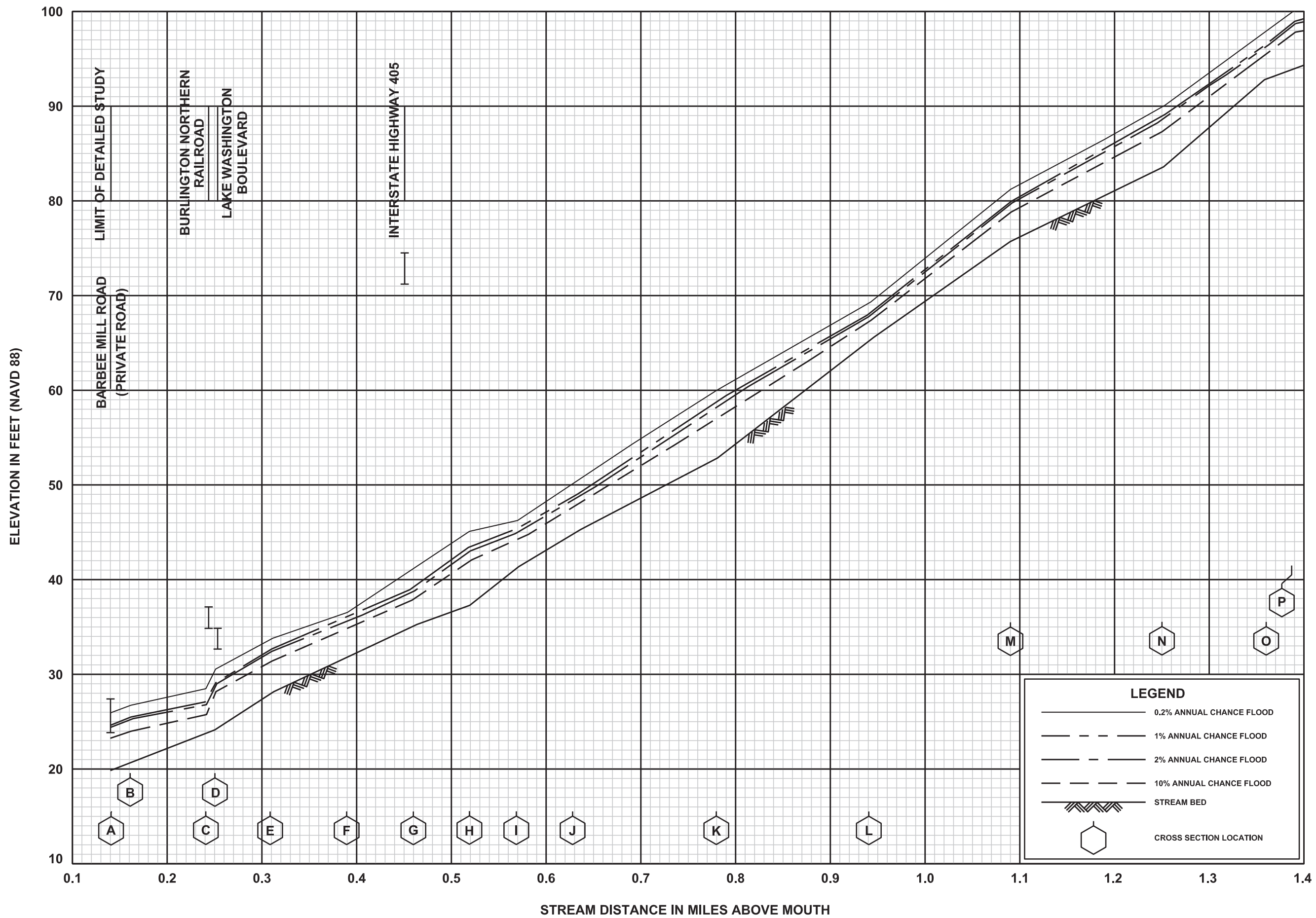
Flood Insurance Rate Map Index

Flood Insurance Rate Maps



**FLOOD PROFILES
MALONEY CREEK**

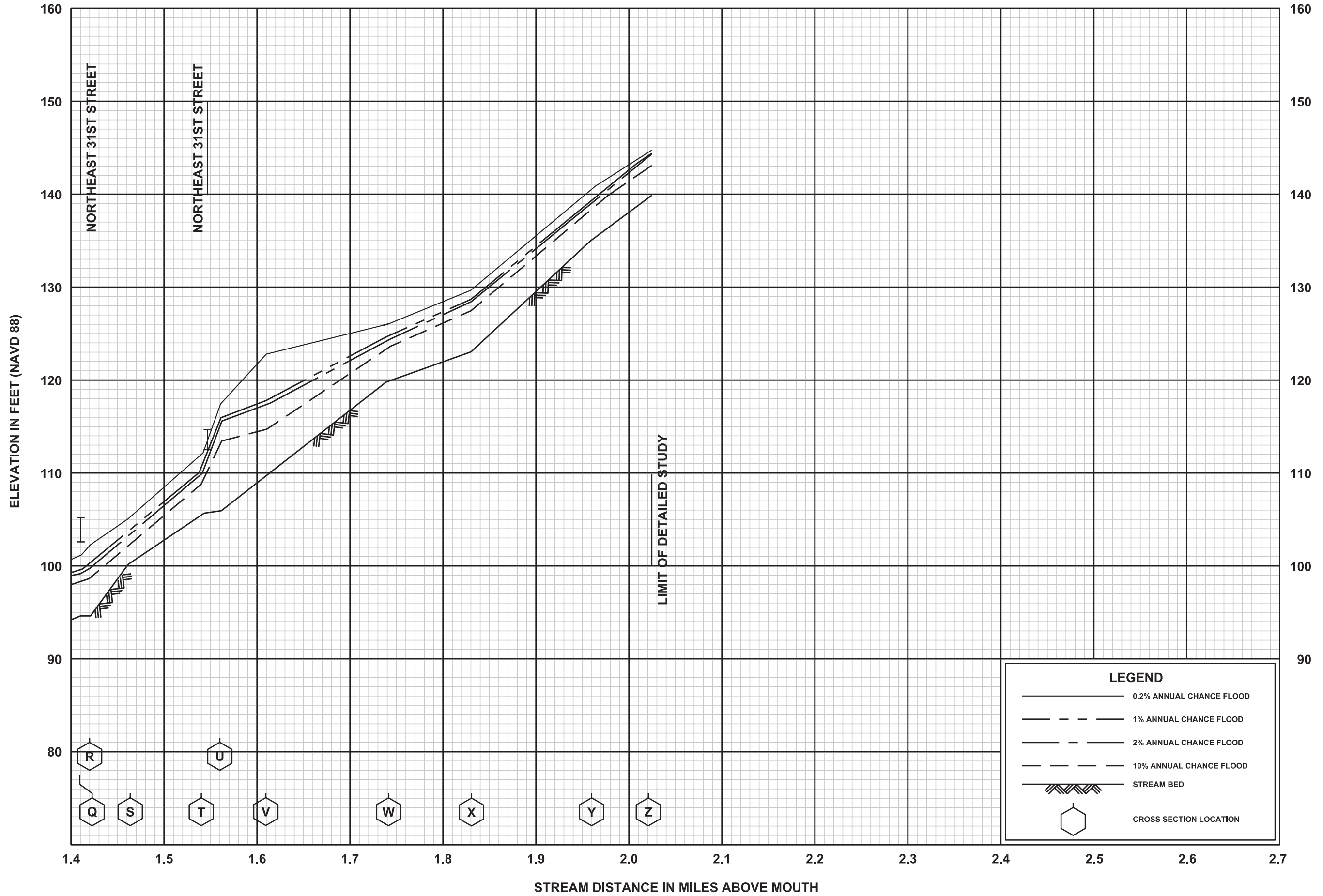
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES

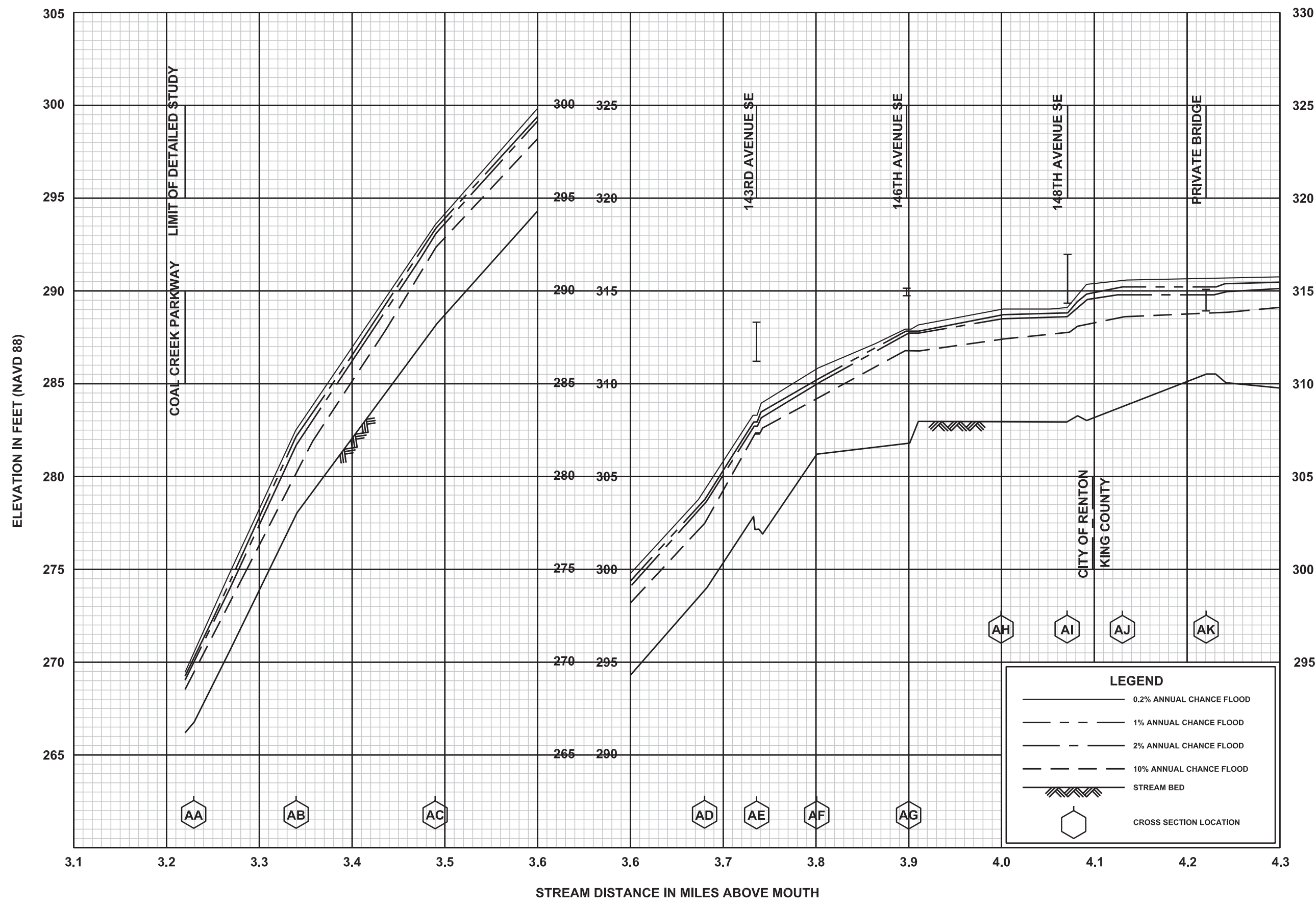
MAY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
 AND INCORPORATED AREAS



FLOOD PROFILES
MAY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



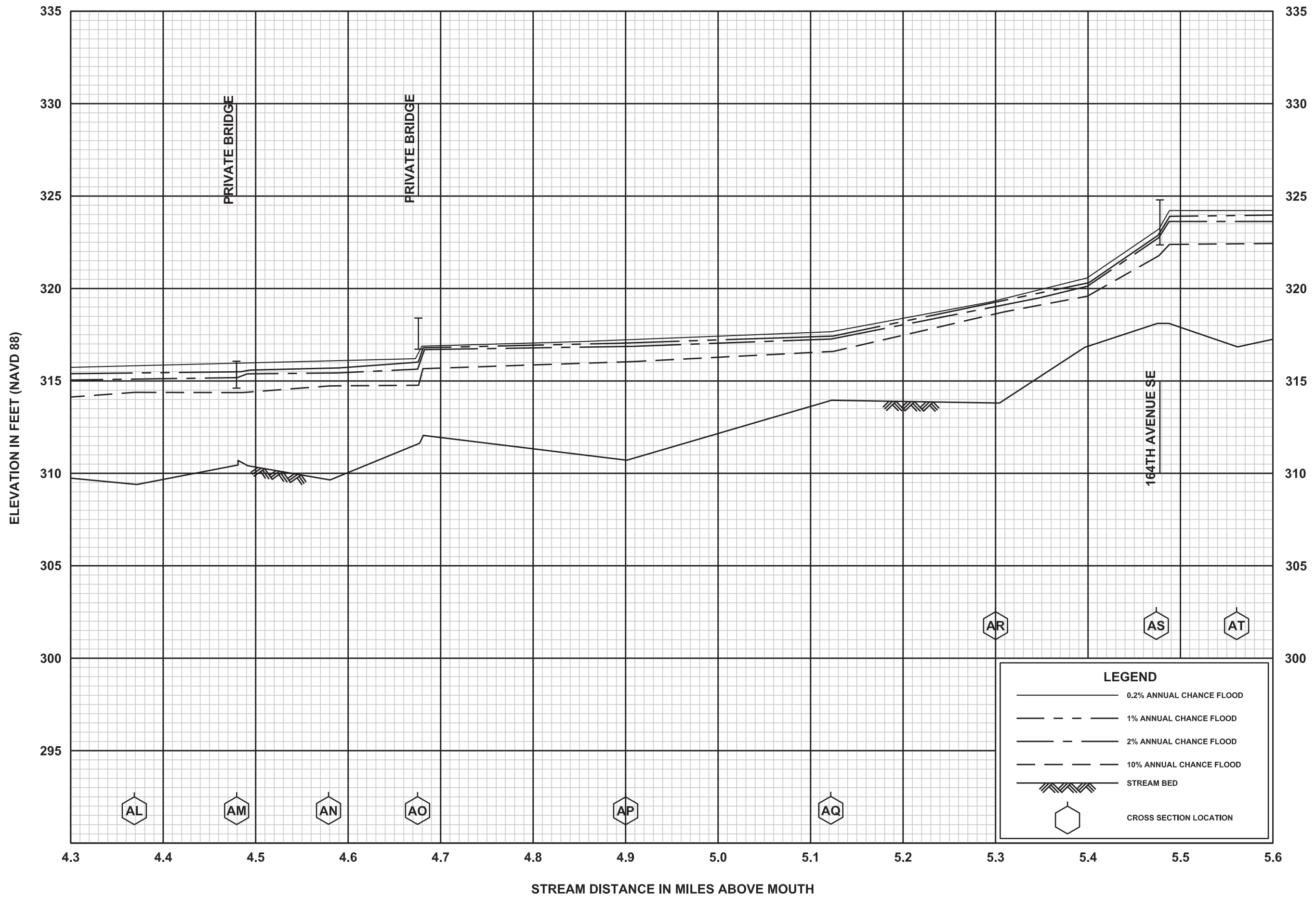
FLOOD PROFILES

MAY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

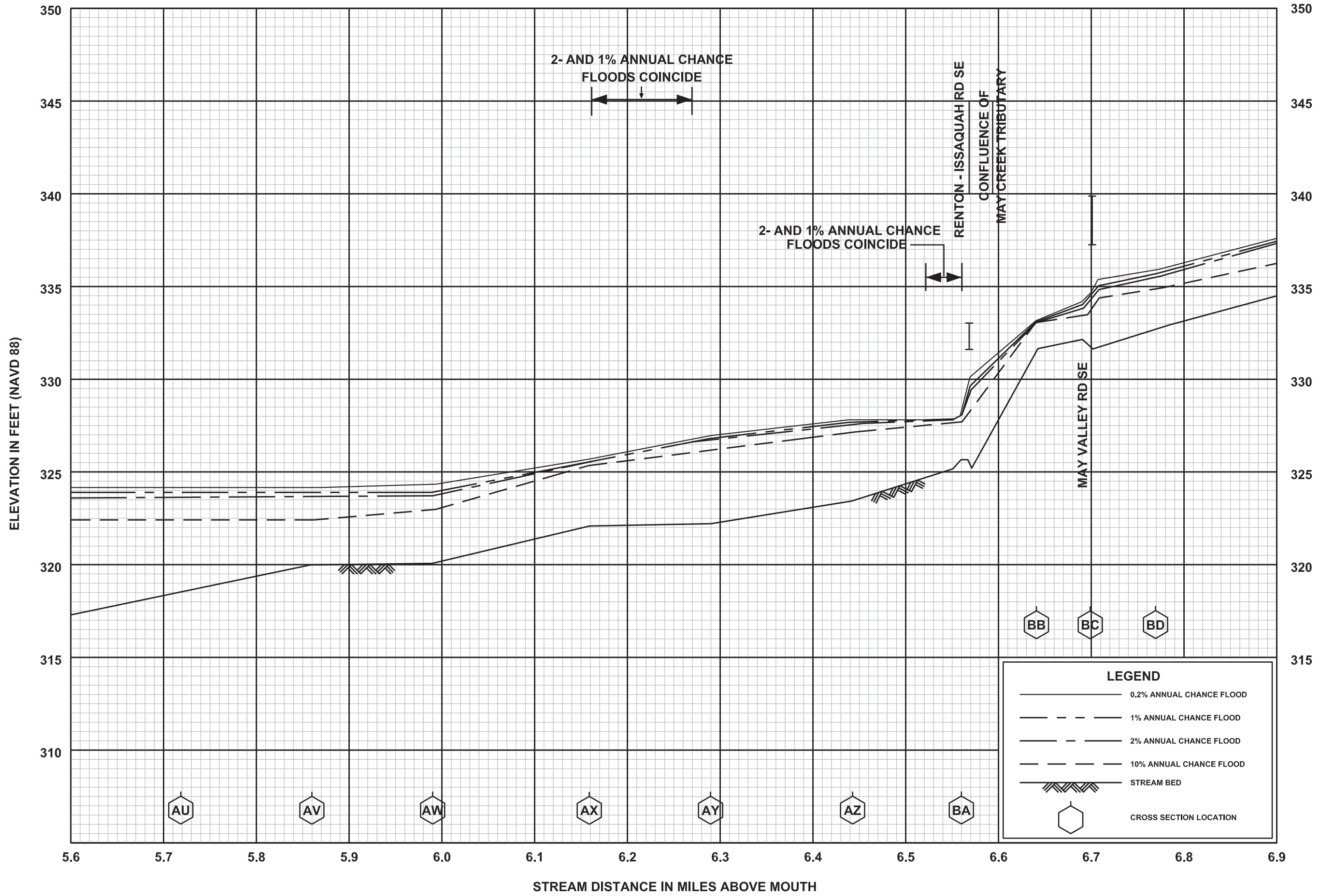
KING COUNTY, WA

AND INCORPORATED AREAS



**FLOOD PROFILES
MAY CREEK**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



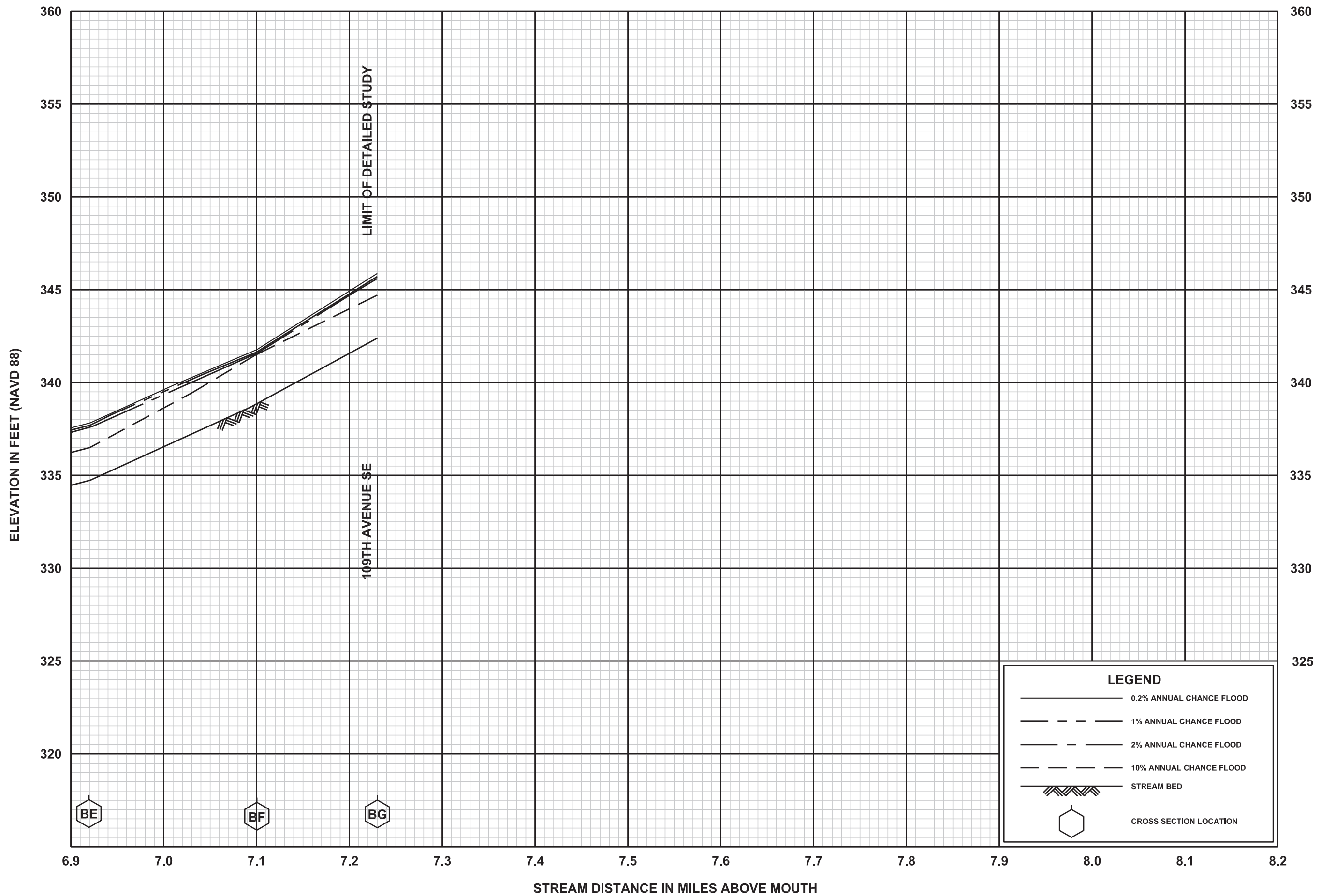
FLOOD PROFILES

MAY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS



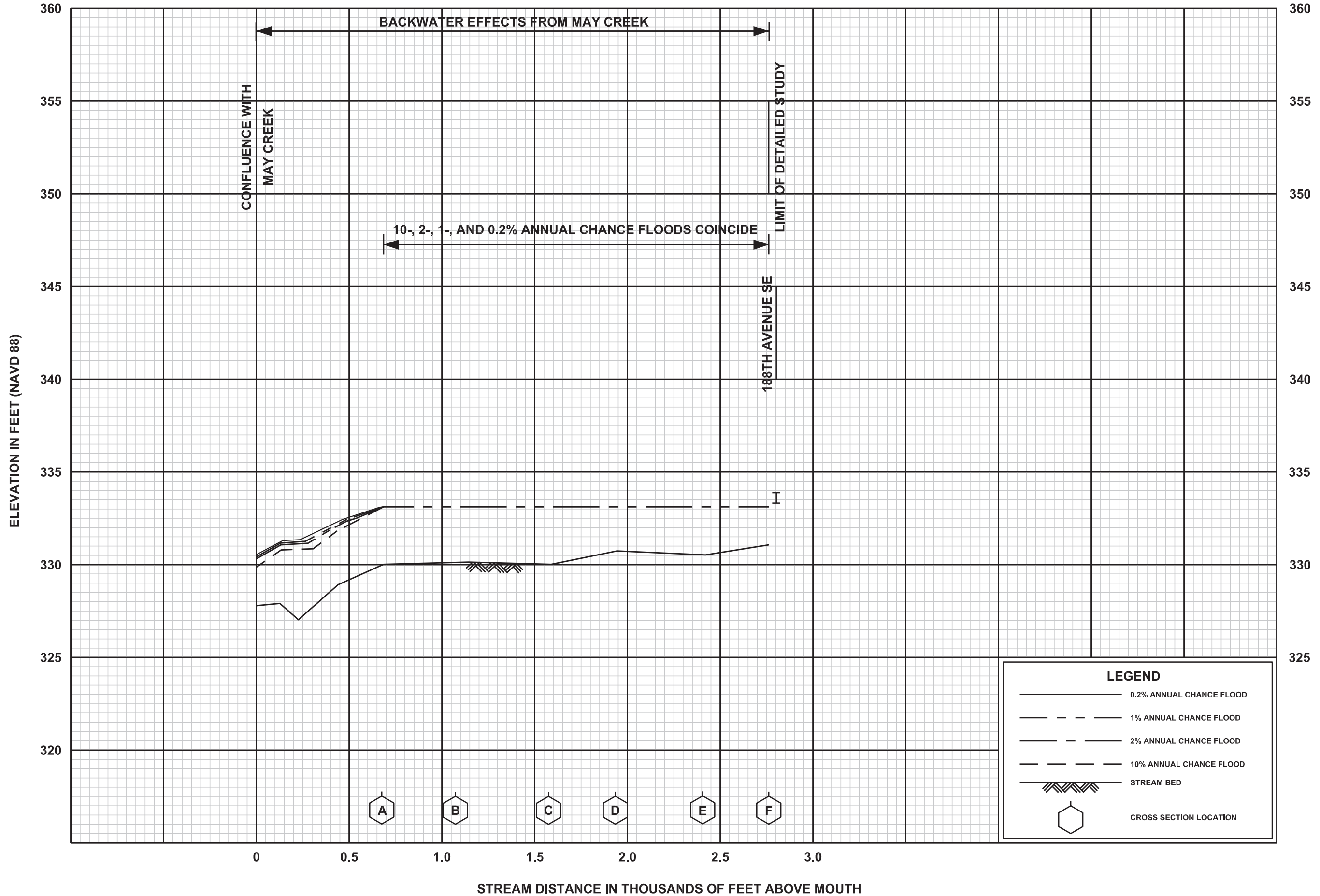
FLOOD PROFILES

MAY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

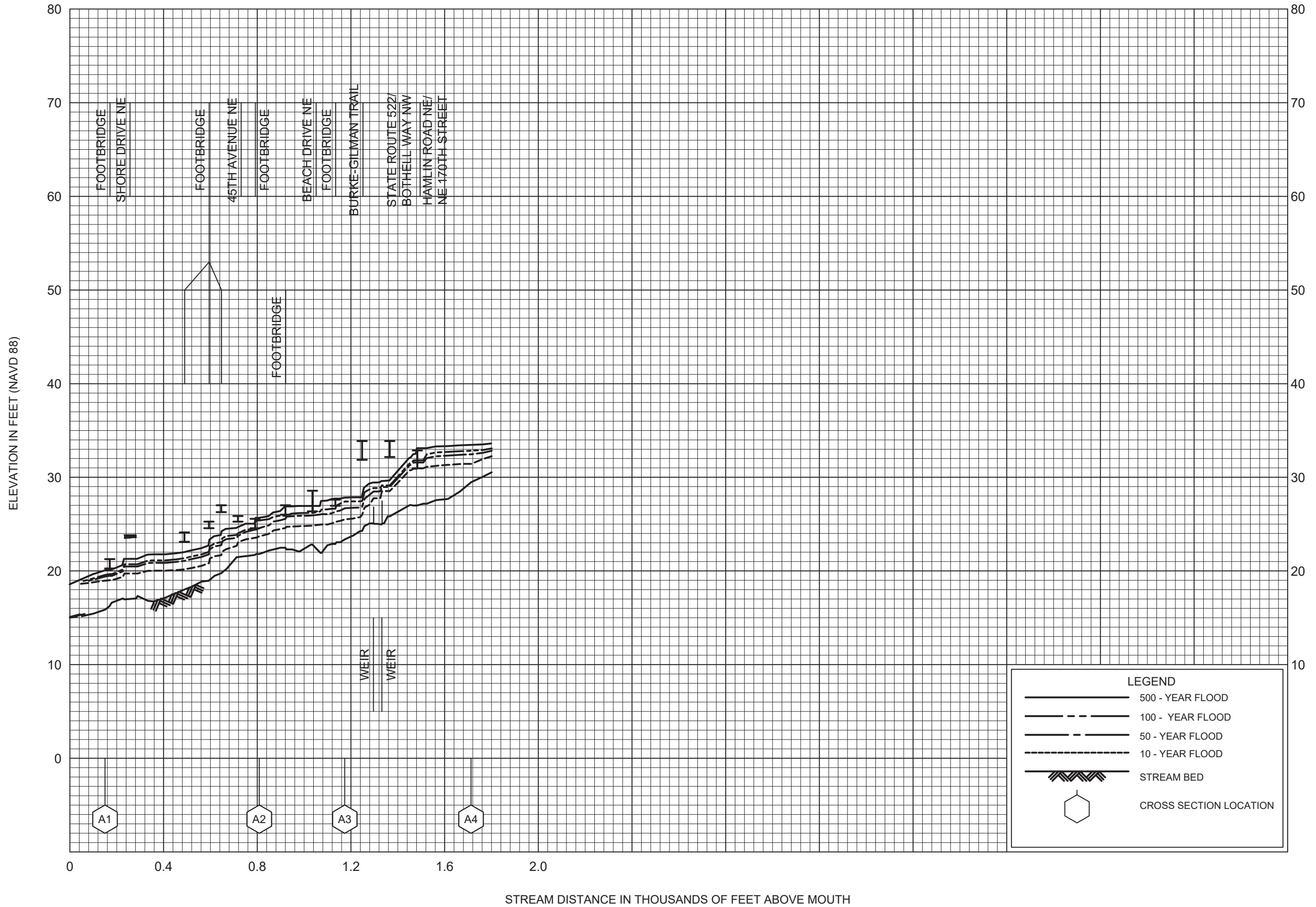
KING COUNTY, WA

AND INCORPORATED AREAS



**FLOOD PROFILES
MAY CREEK TRIBUTARY**

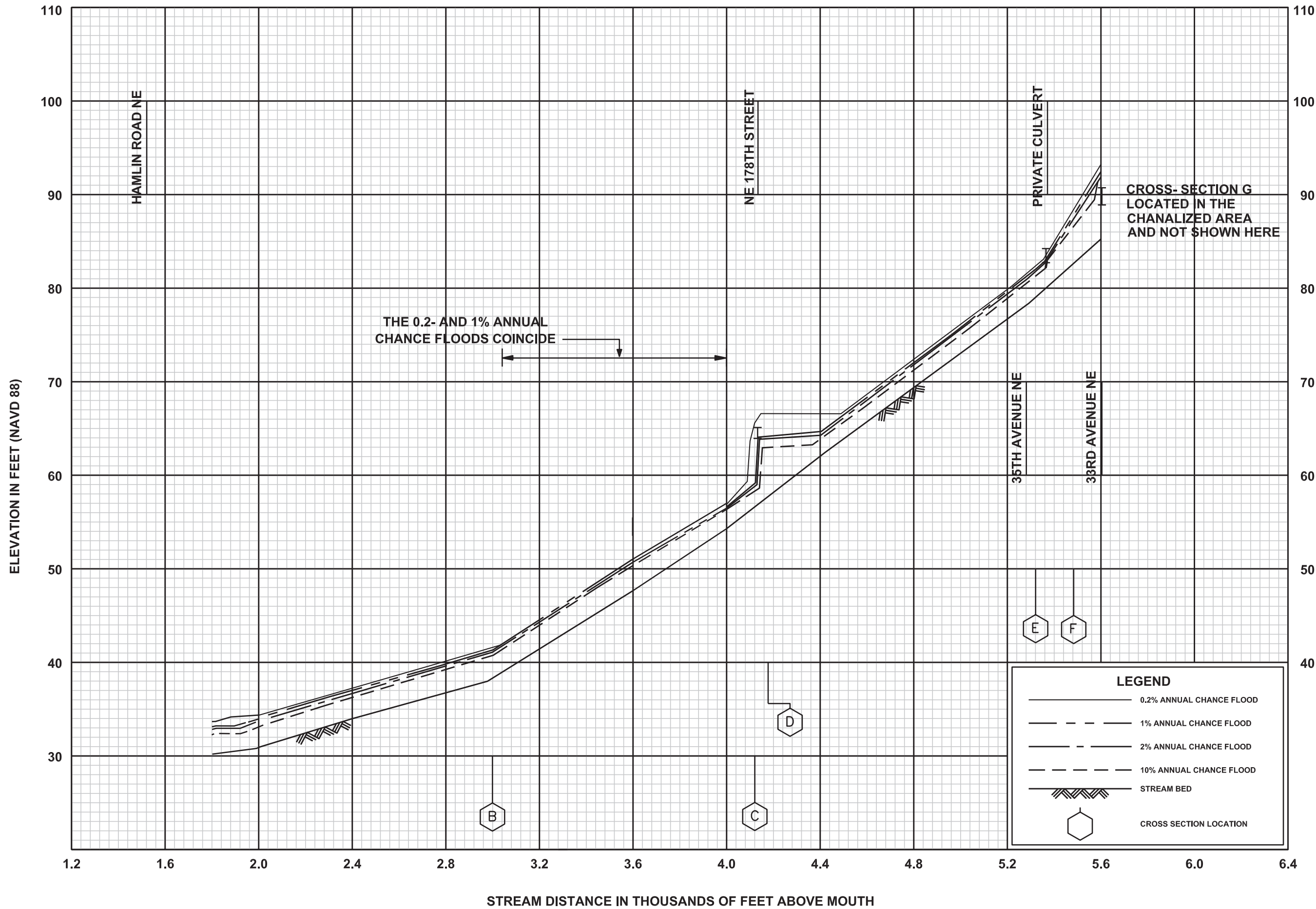
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES

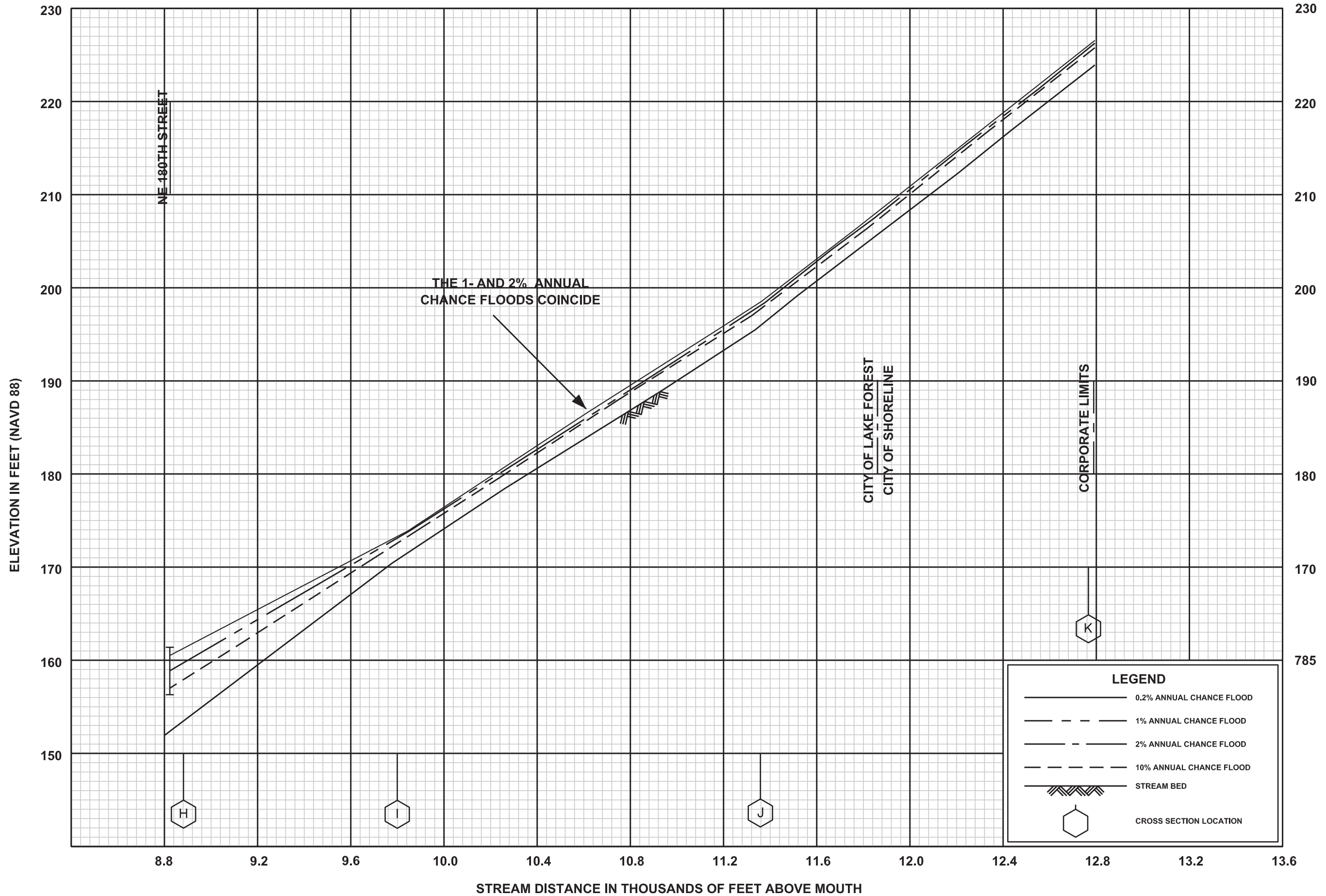
McALEER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
 KING COUNTY, WA
 AND INCORPORATED AREAS



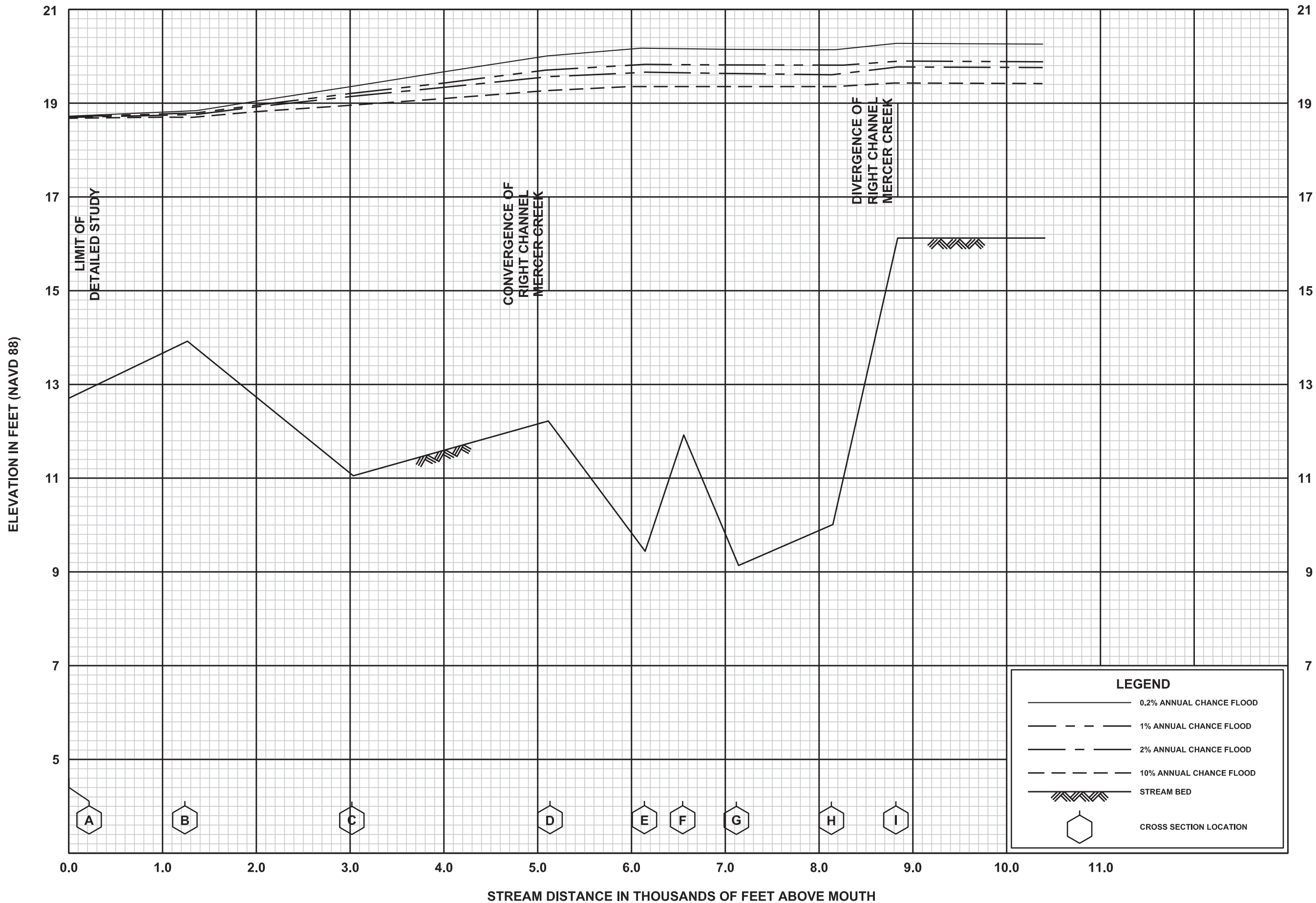
FLOOD PROFILES
McALEER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



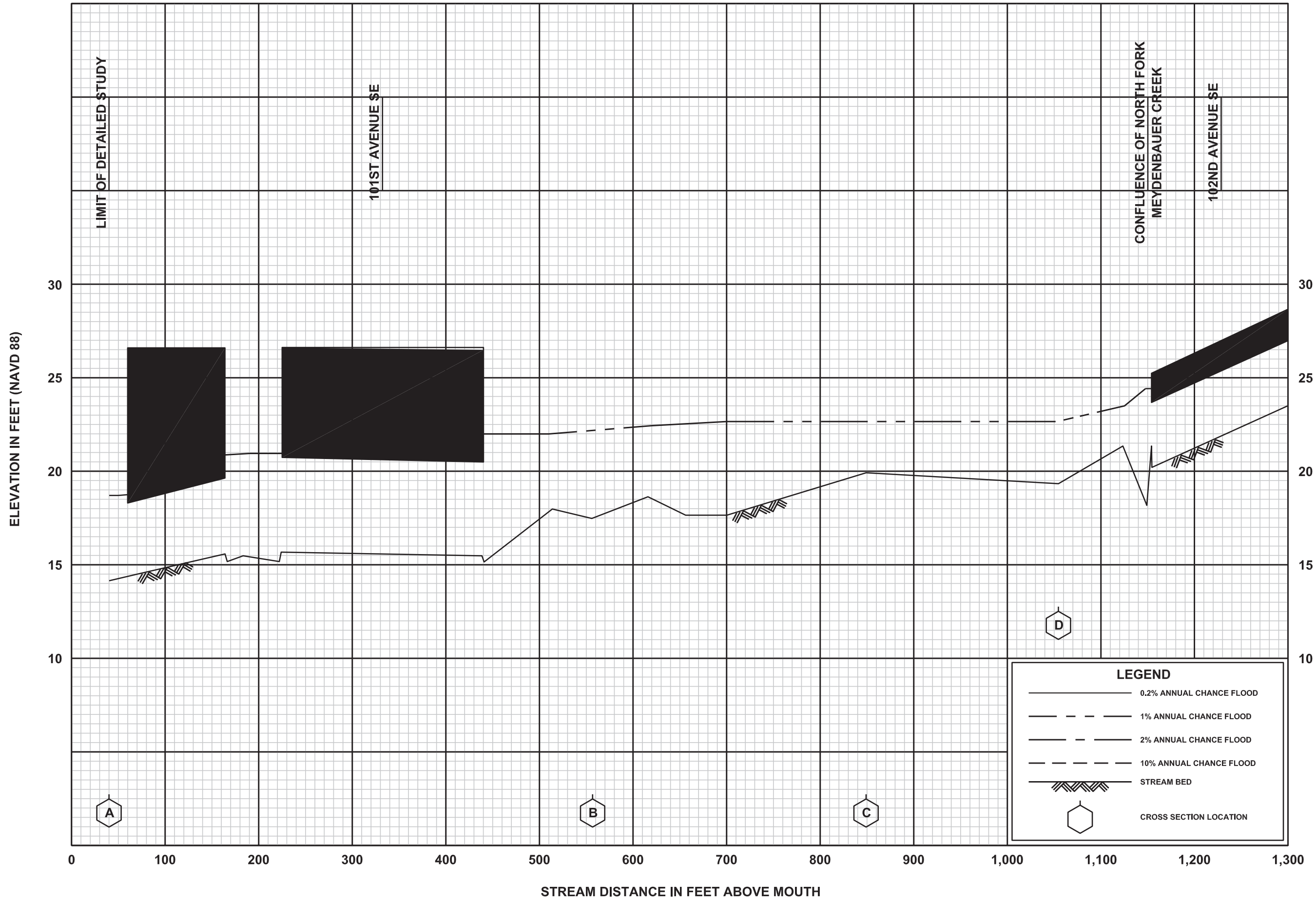
**FLOOD PROFILES
MCALEER CREEK**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



**FLOOD PROFILES
MERCER CREEK**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



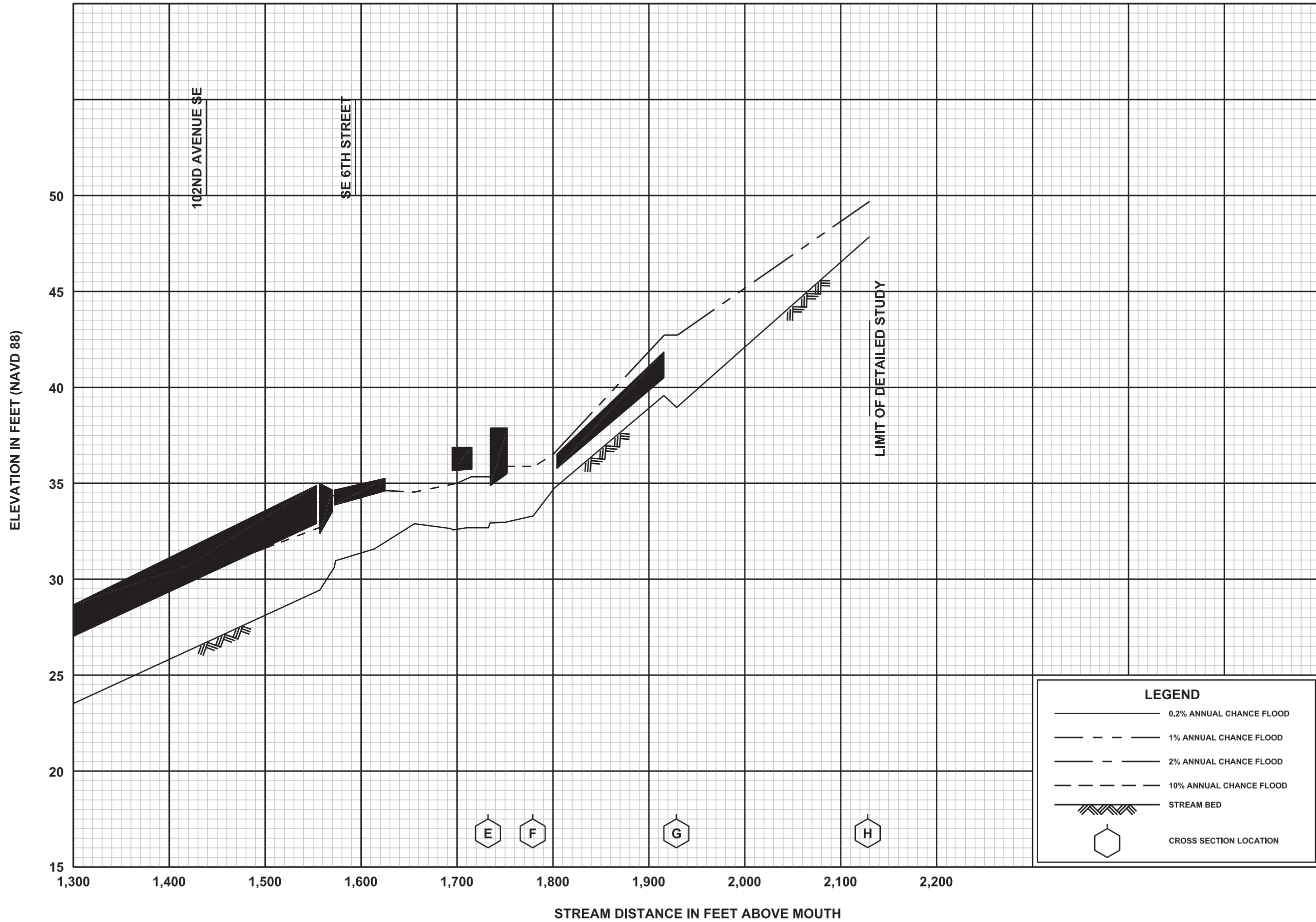
FLOOD PROFILES

MEYDENBAUER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

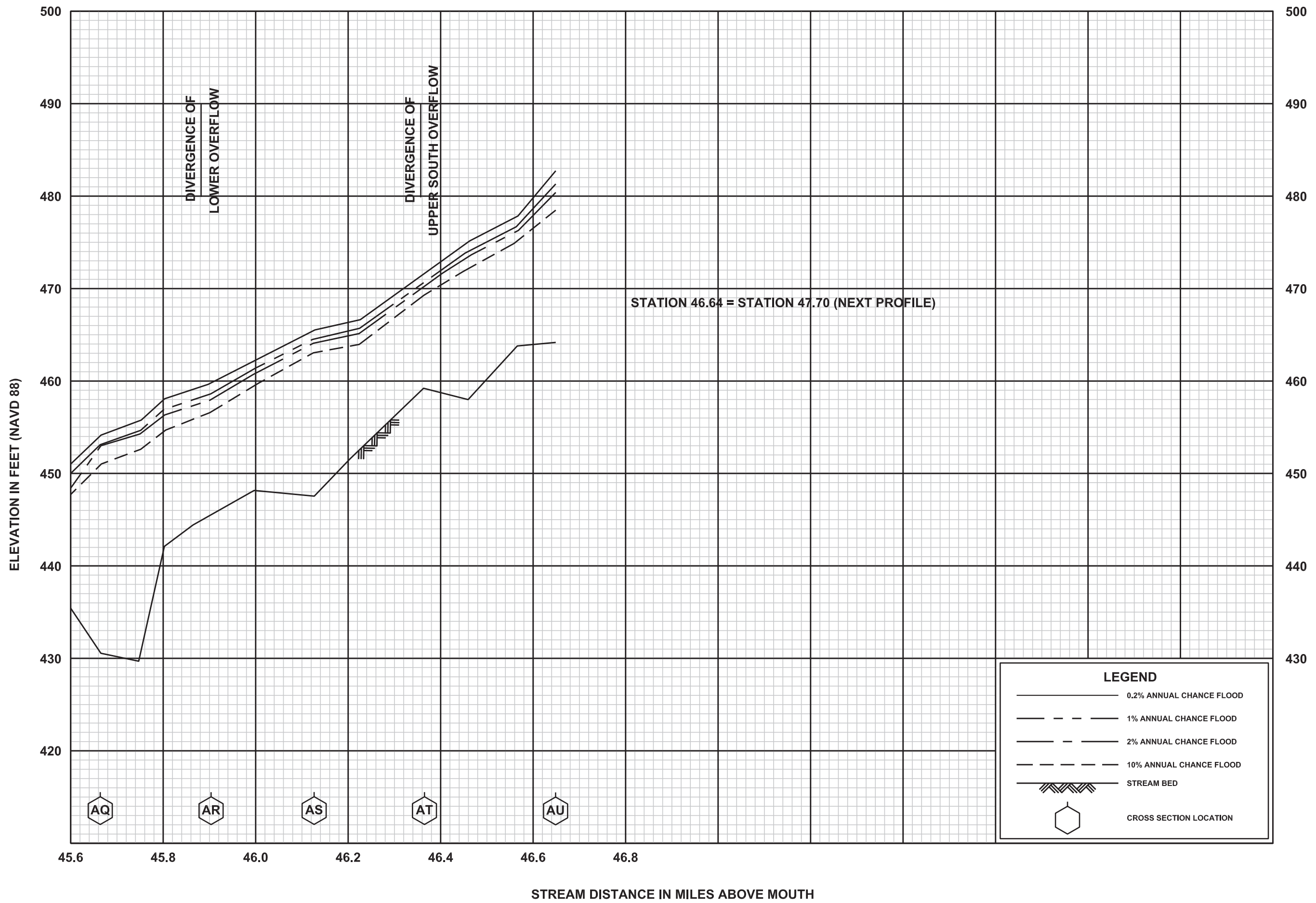
KING COUNTY, WA

AND INCORPORATED AREAS



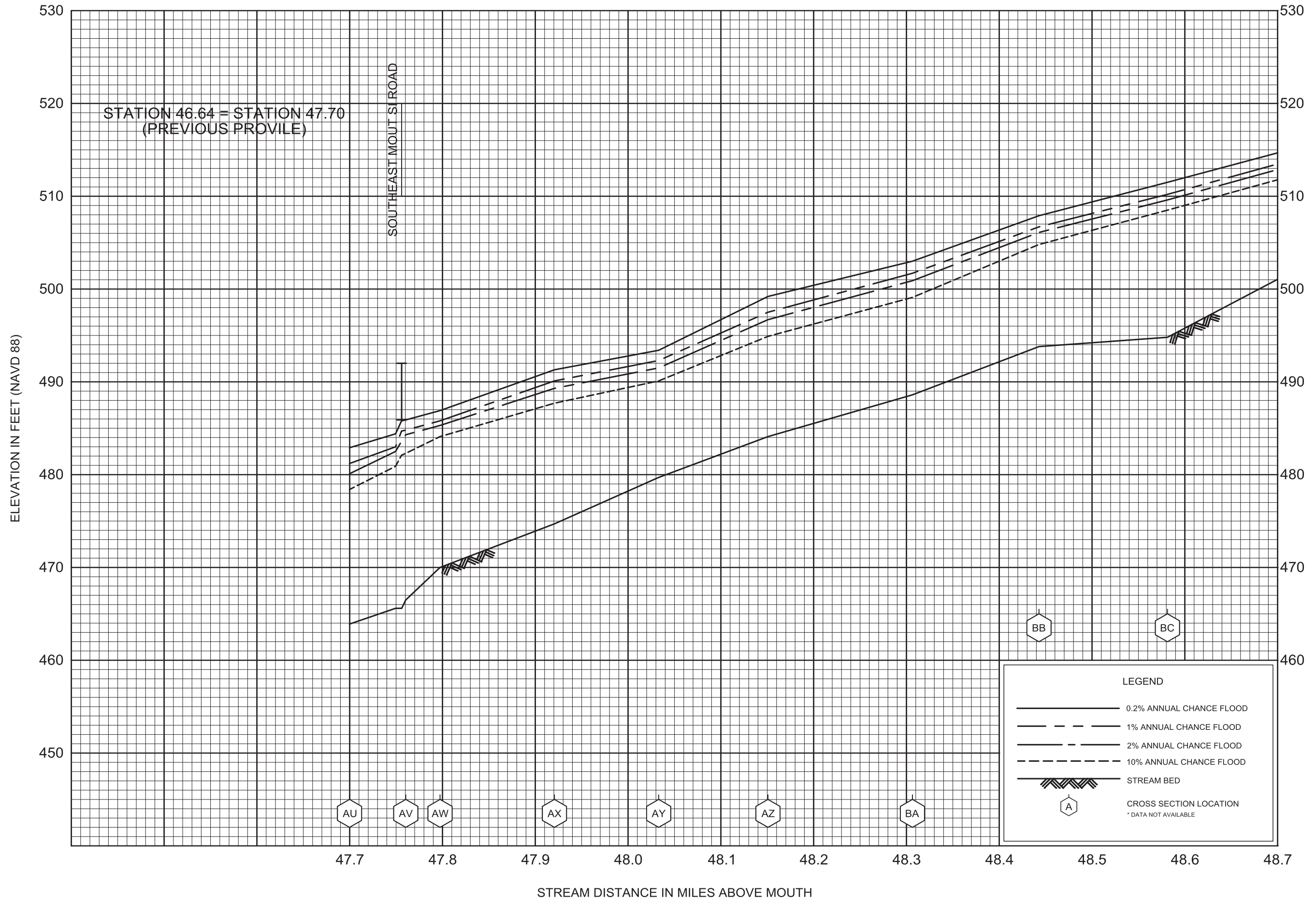
FLOOD PROFILES
MEYDENBAUER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



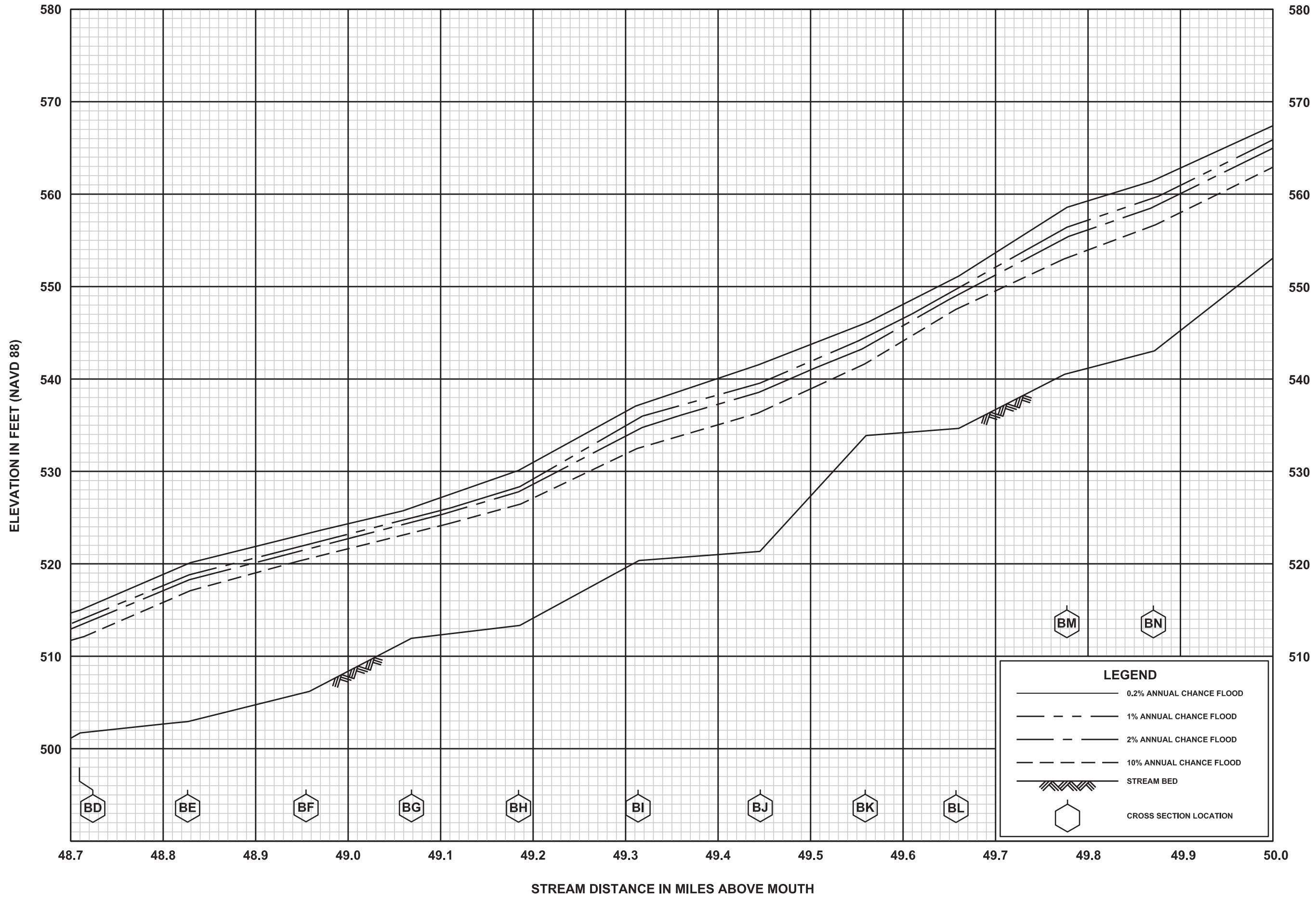
FLOOD PROFILES
MIDDLE FORK SNOQUALMIE RIVER

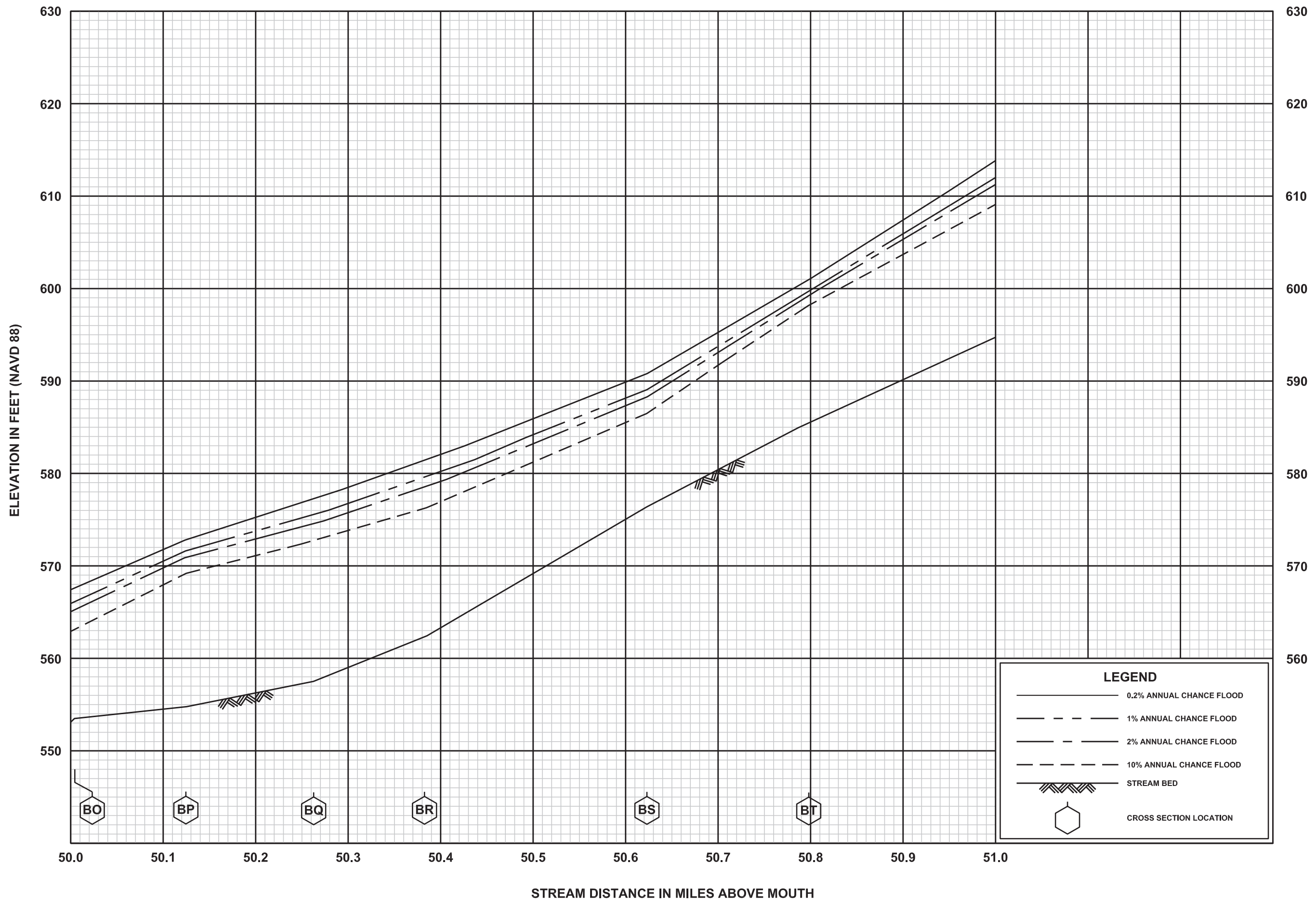
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES
MIDDLE FORK SNOQUALMIE RIVER

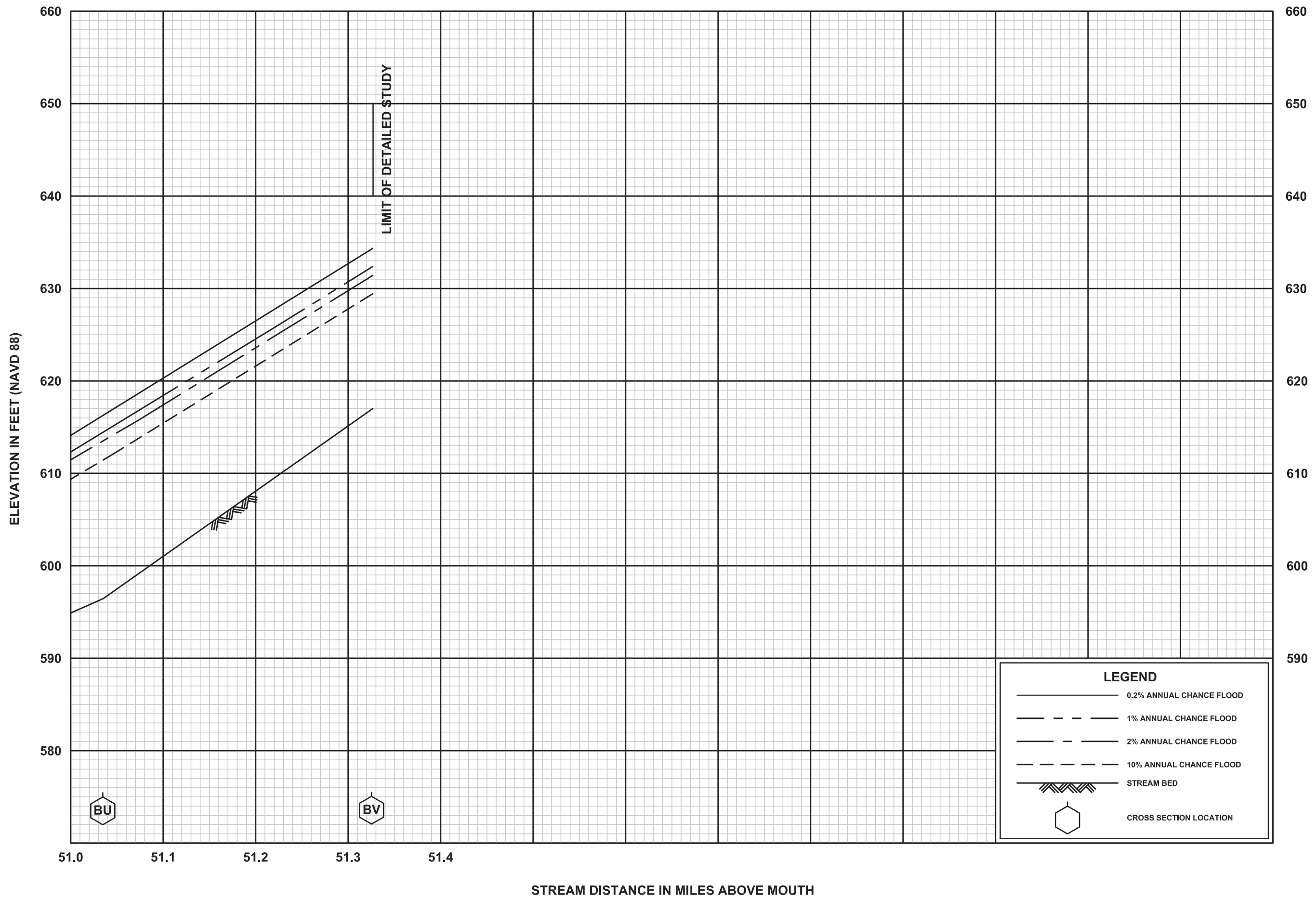
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS





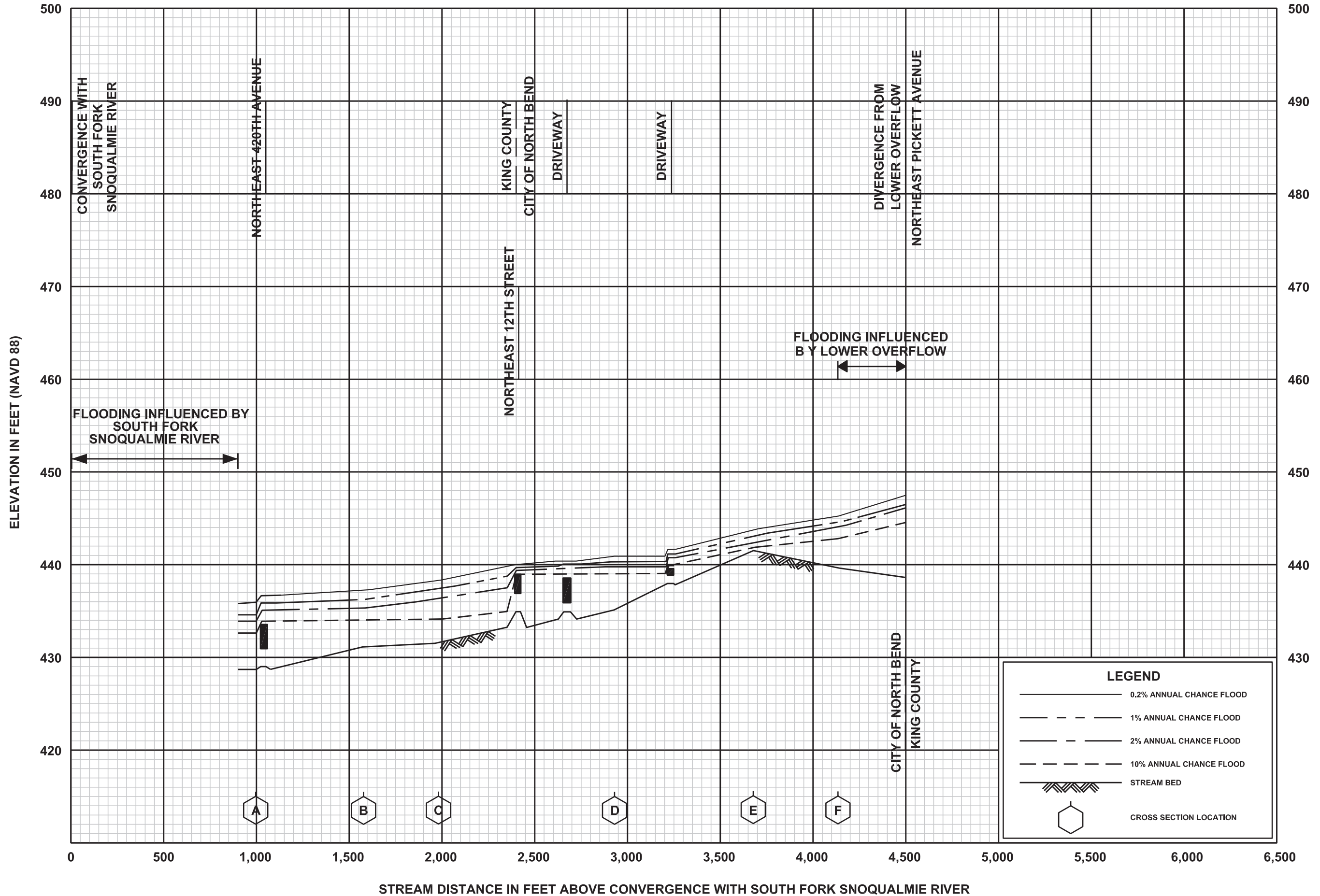
FLOOD PROFILES
MIDDLE FORK SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



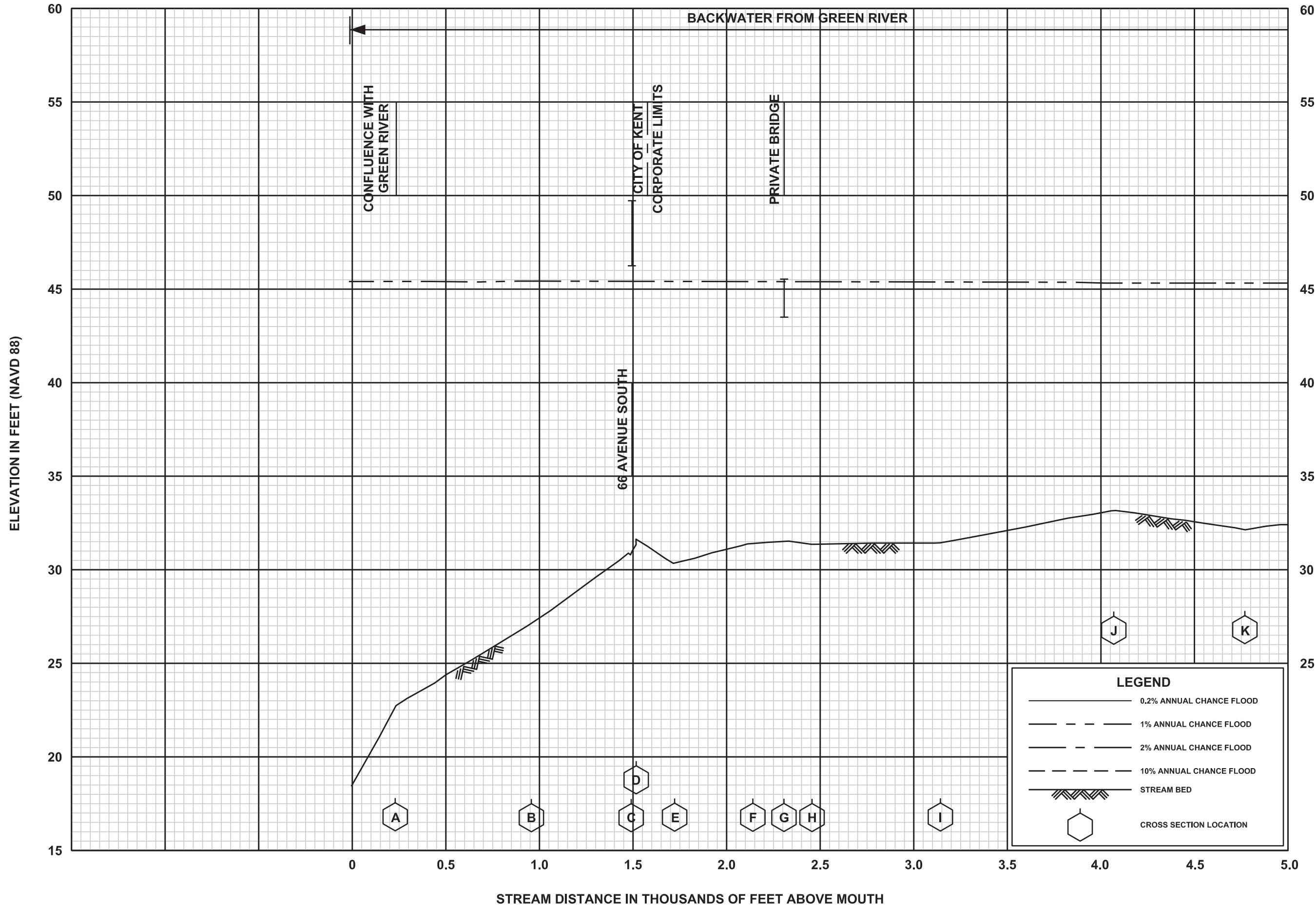
FLOOD PROFILES
MIDDLE FORK SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES
MIDDLE OVERFLOW

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



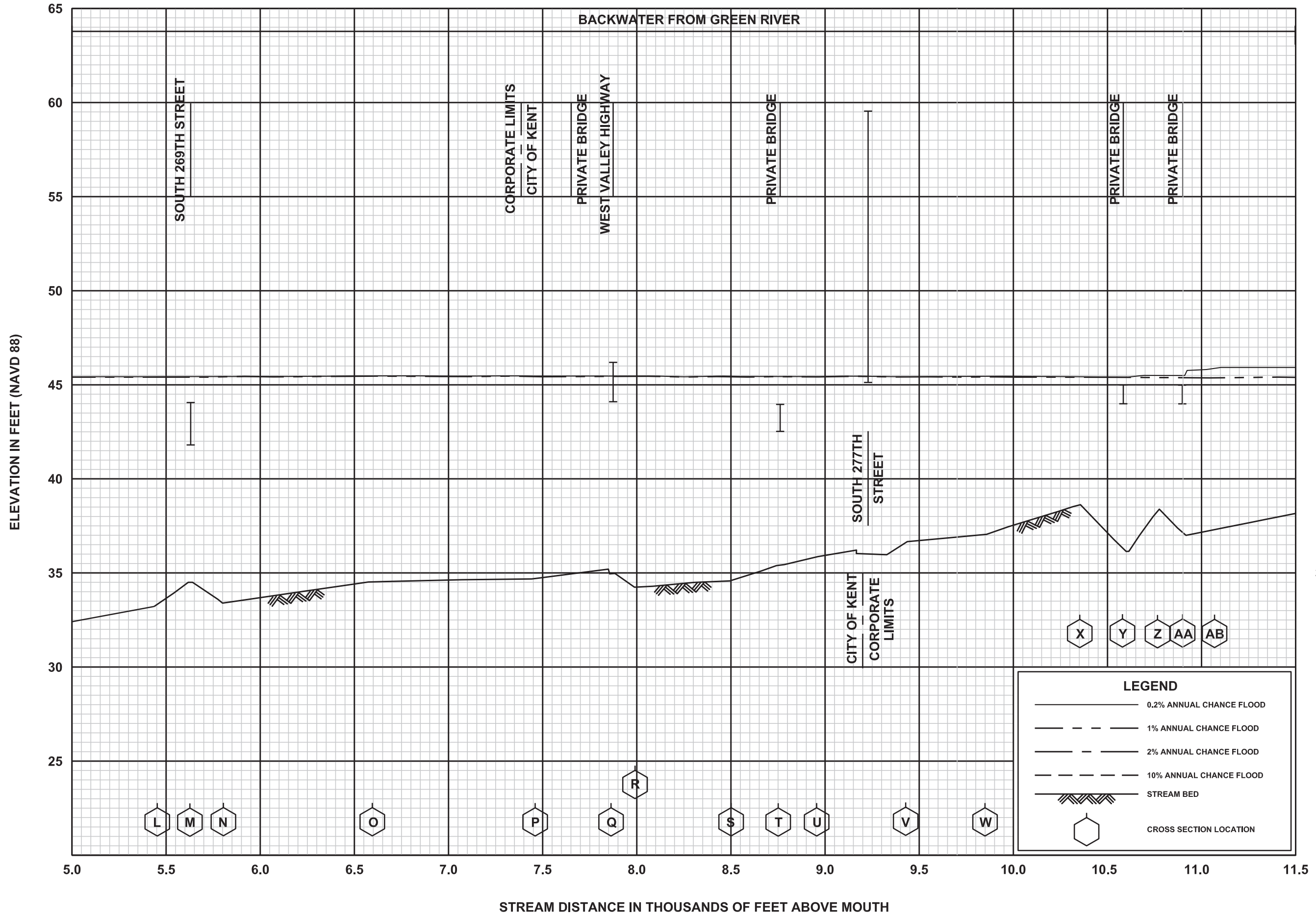
FLOOD PROFILES

MILL CREEK - AUBURN

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS



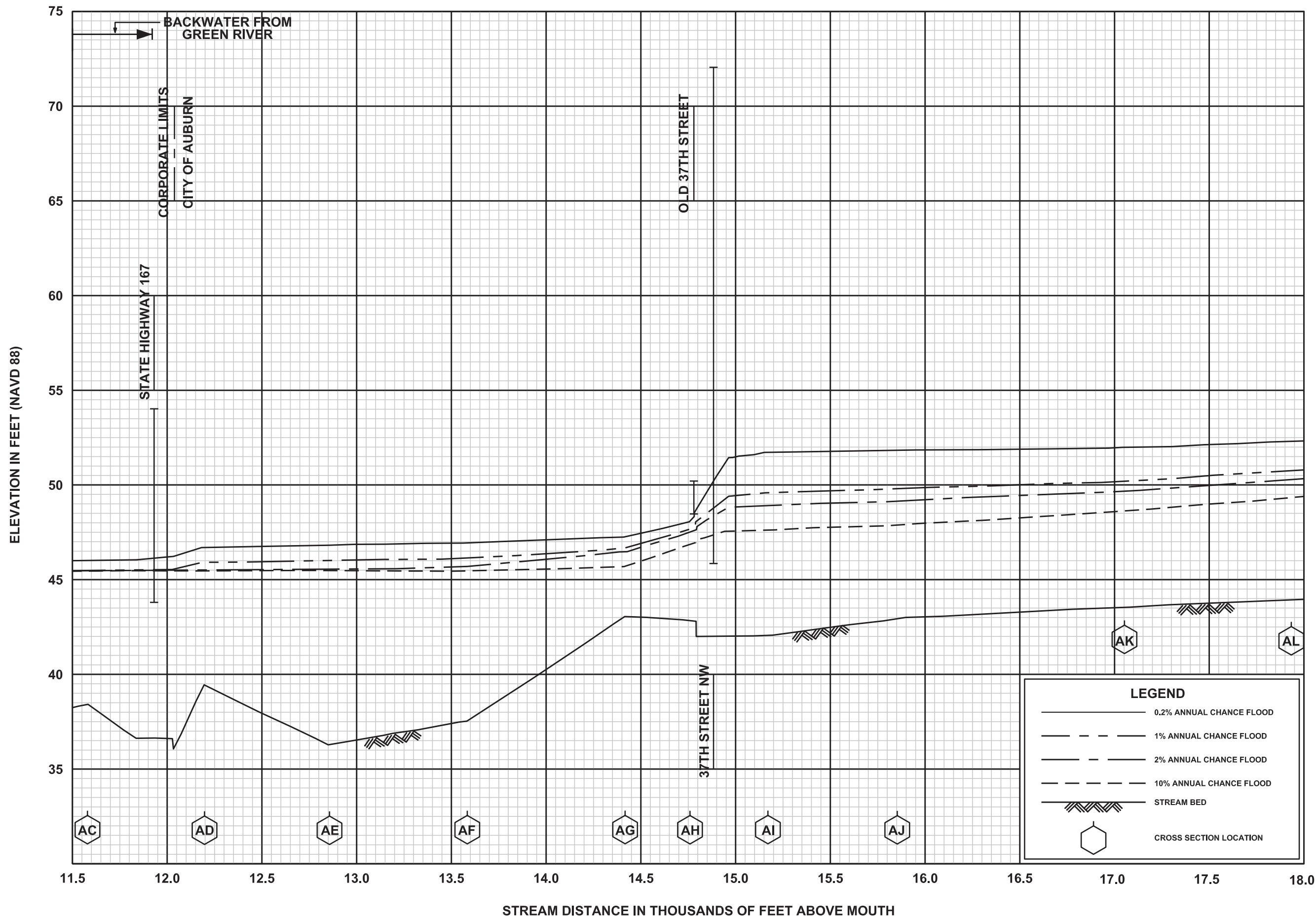
FLOOD PROFILES

MILL CREEK - AUBURN

FEDERAL EMERGENCY MANAGEMENT AGENCY

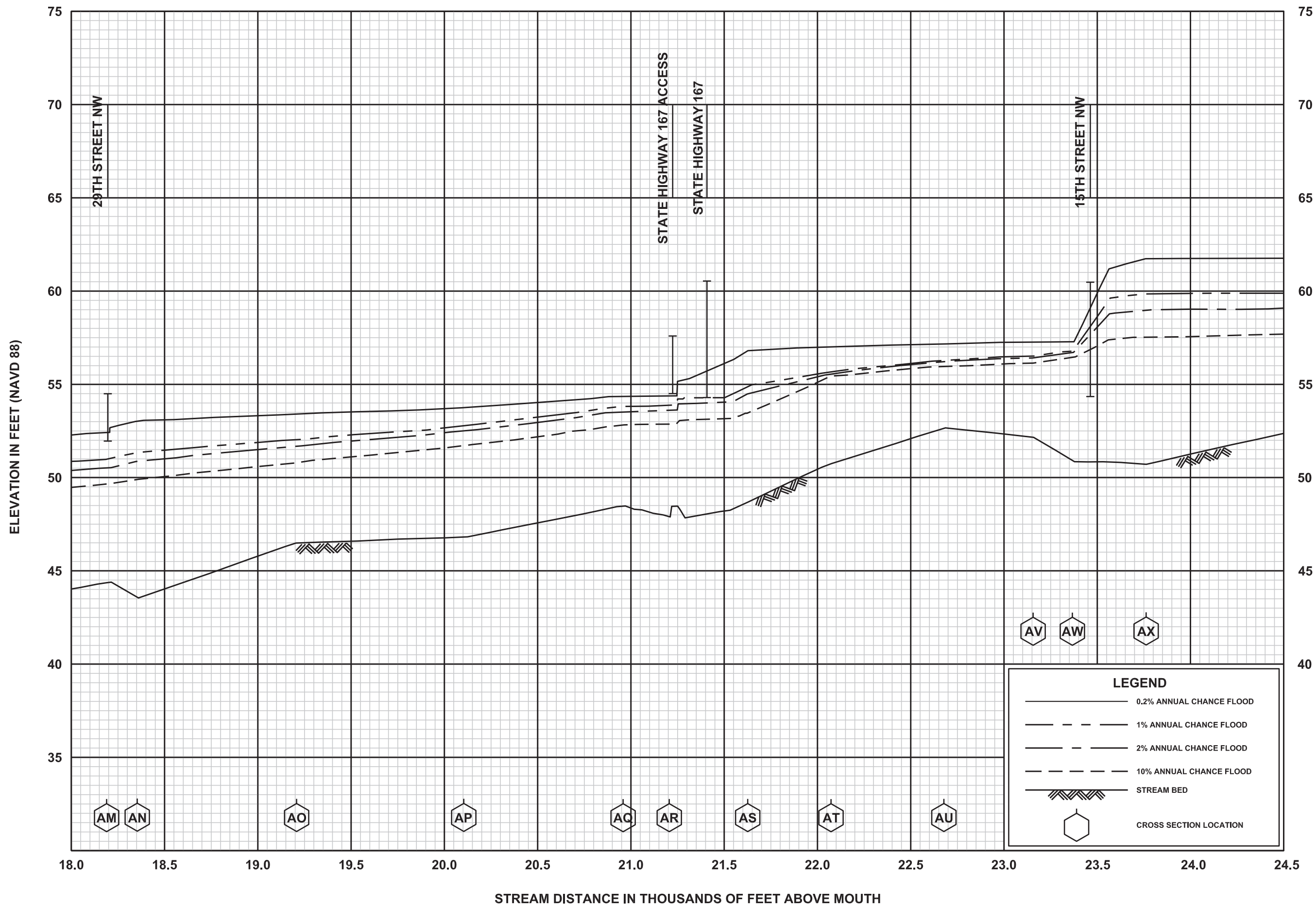
KING COUNTY, WA

AND INCORPORATED AREAS



FLOOD PROFILES
MILL CREEK - AUBURN

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



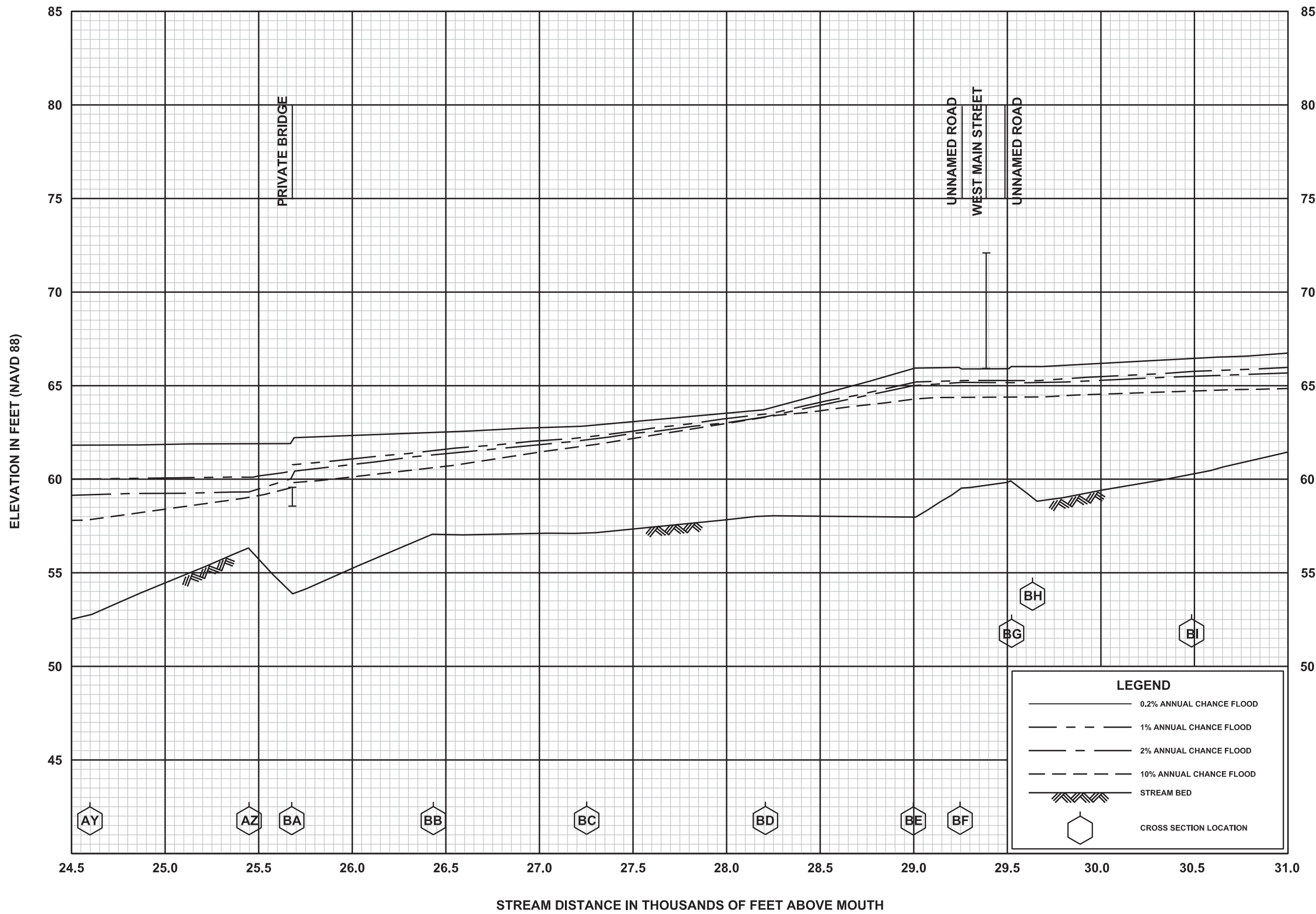
FLOOD PROFILES

MILL CREEK - AUBURN

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS



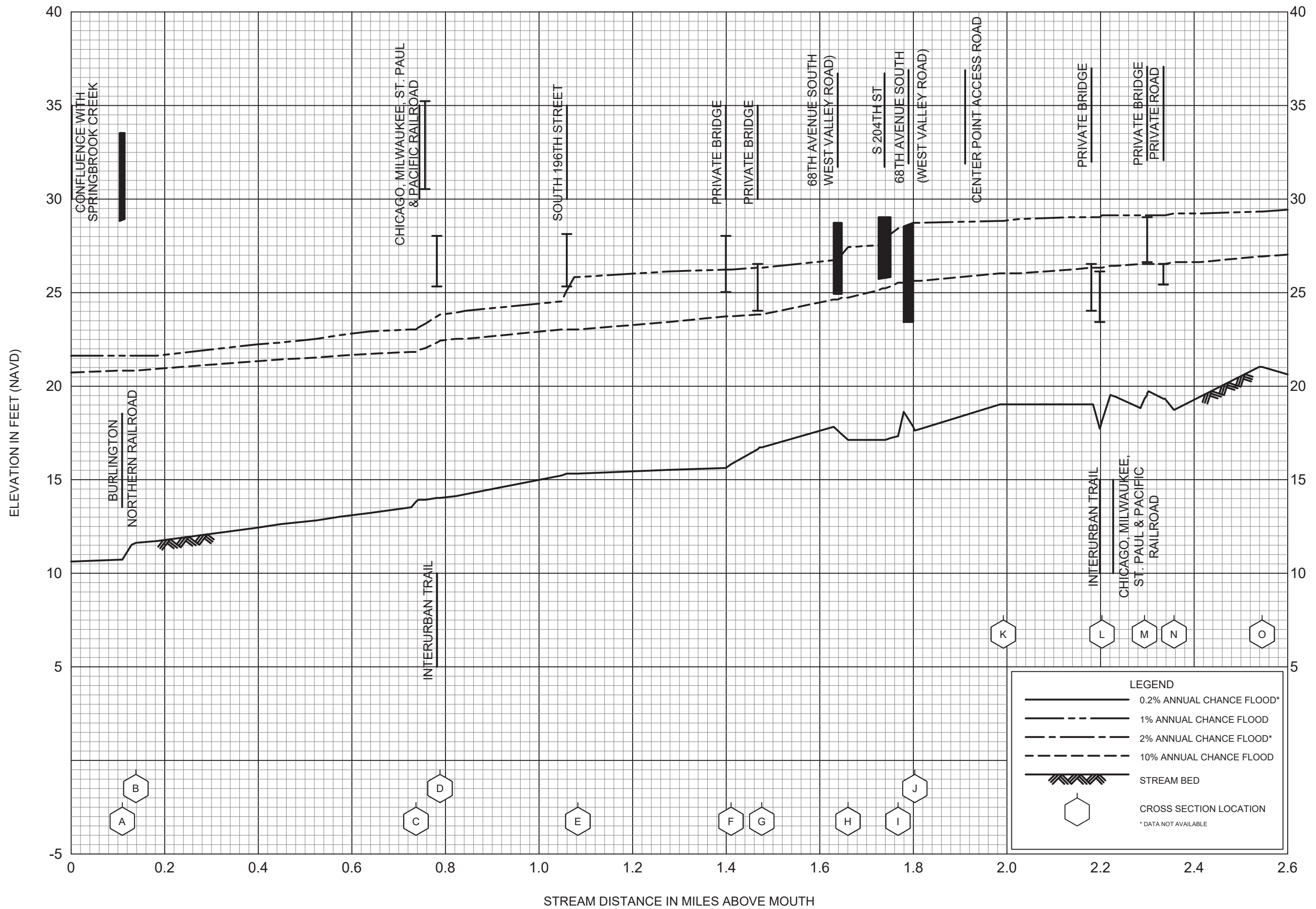
FLOOD PROFILES

MILL CREEK - AUBURN

FEDERAL EMERGENCY MANAGEMENT AGENCY

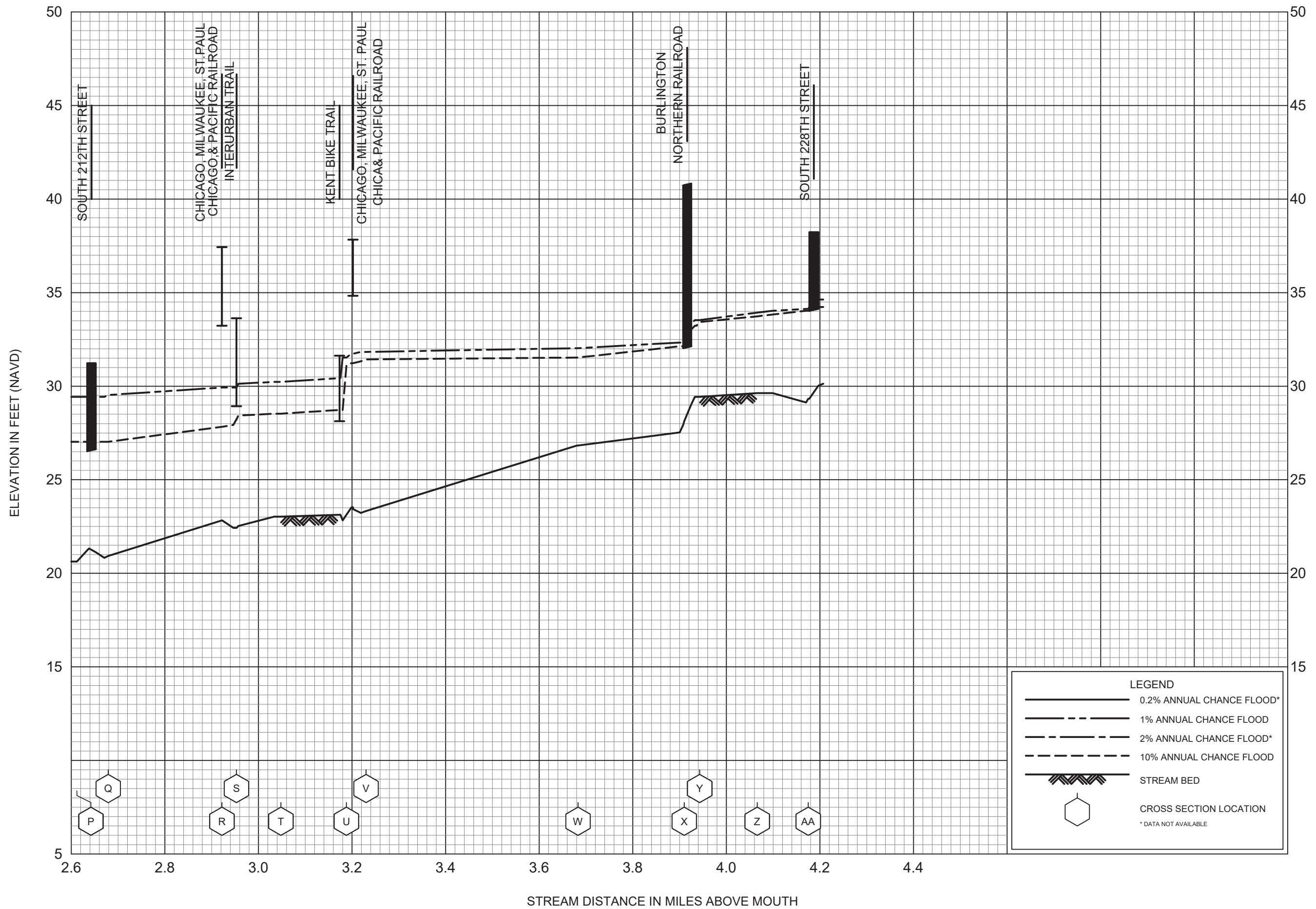
KING COUNTY, WA

AND INCORPORATED AREAS



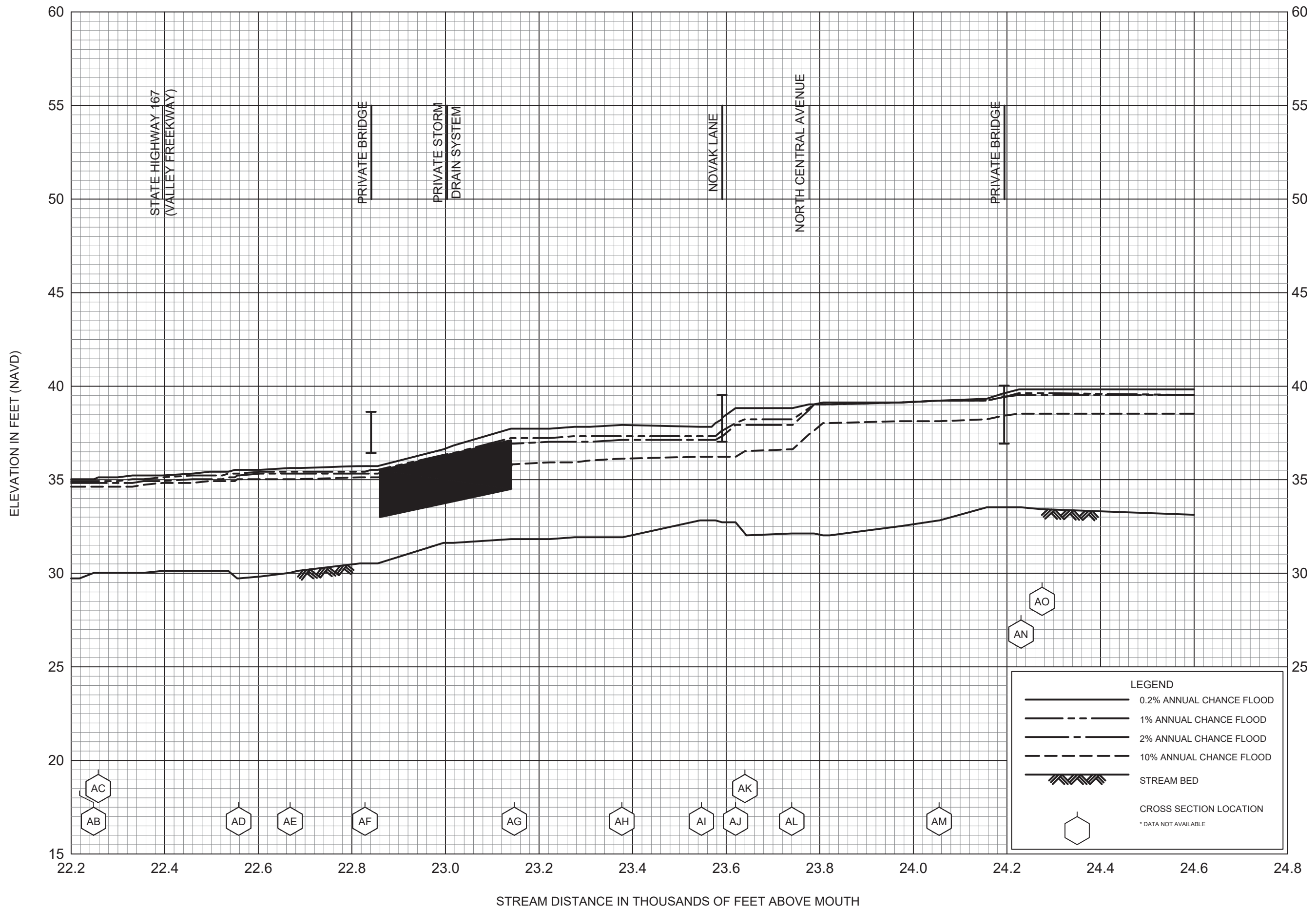
FLOOD PROFILES
MILL CREEK - KENT

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



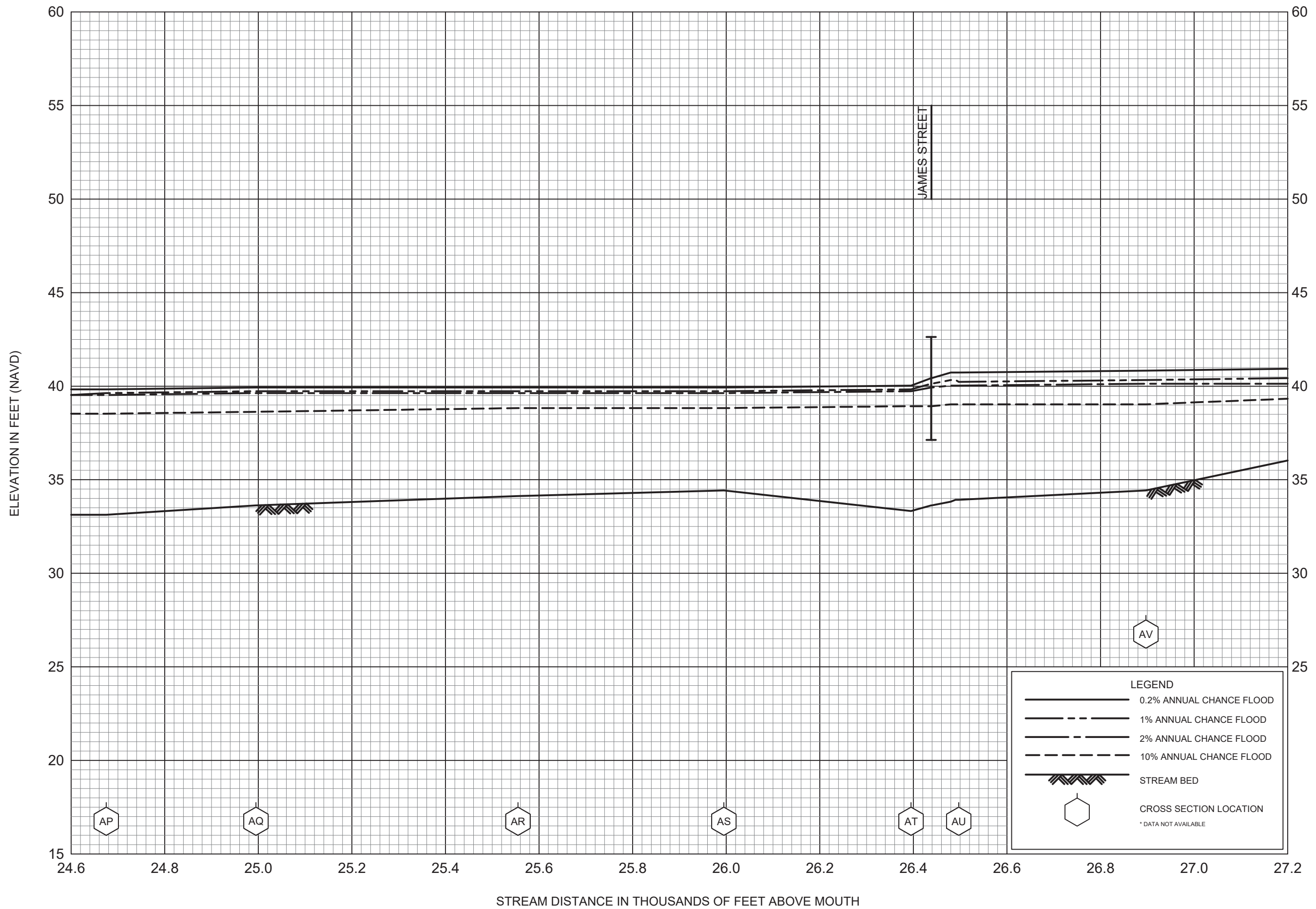
FLOOD PROFILES
MILL CREEK - KENT

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



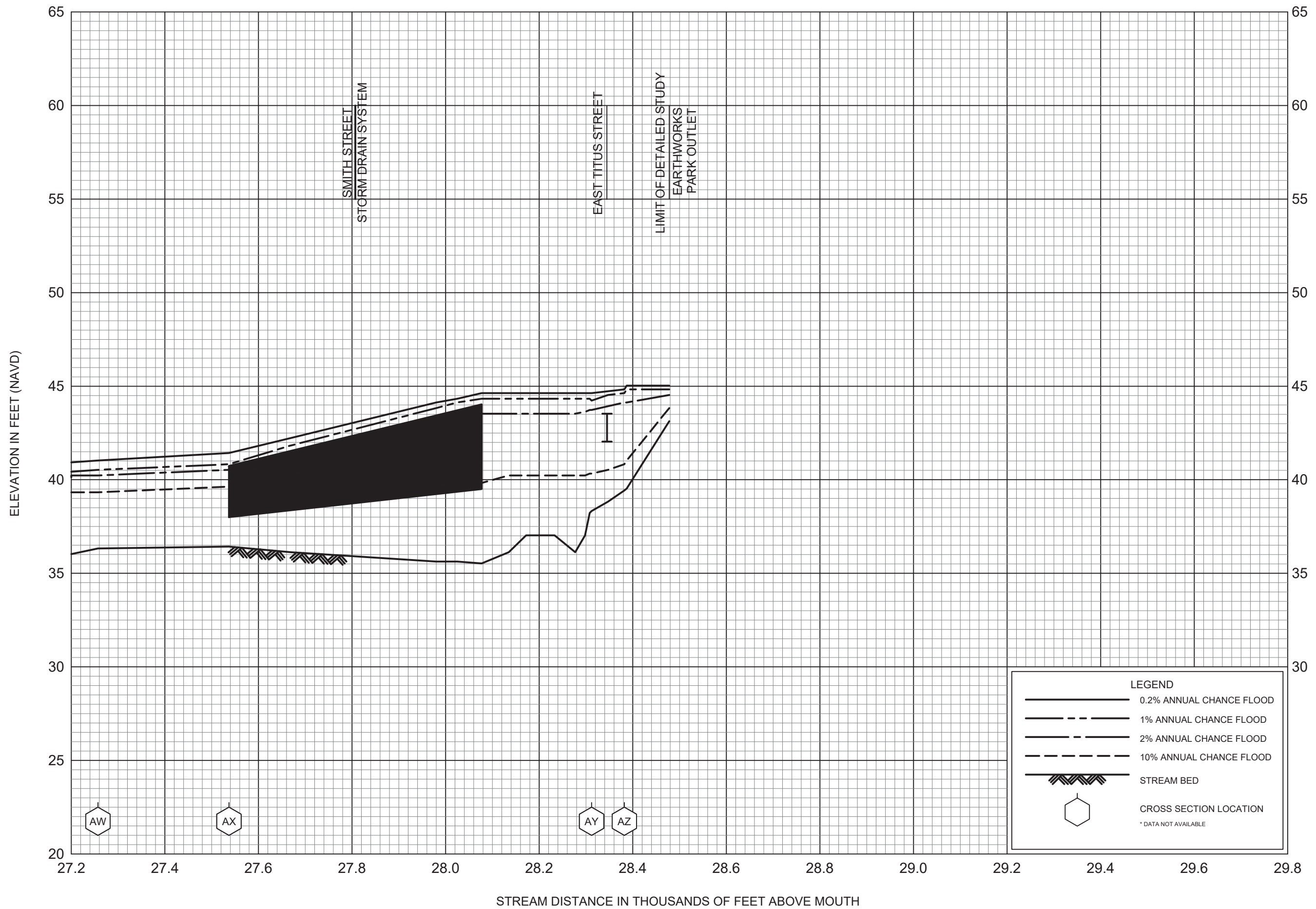
FLOOD PROFILES
MILL CREEK - KENT

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



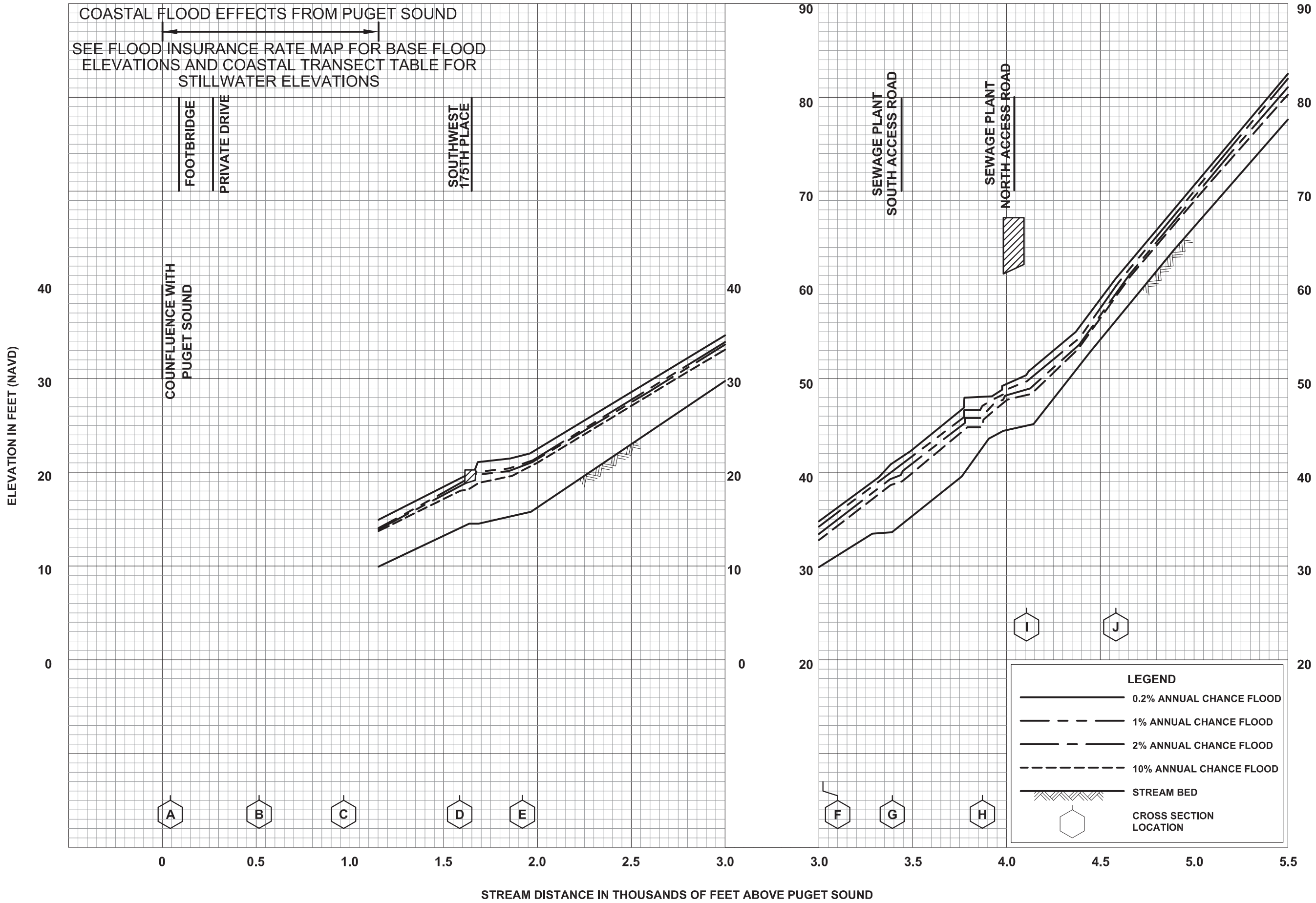
FLOOD PROFILES
MILL CREEK - KENT

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES
MILL CREEK - KENT

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS

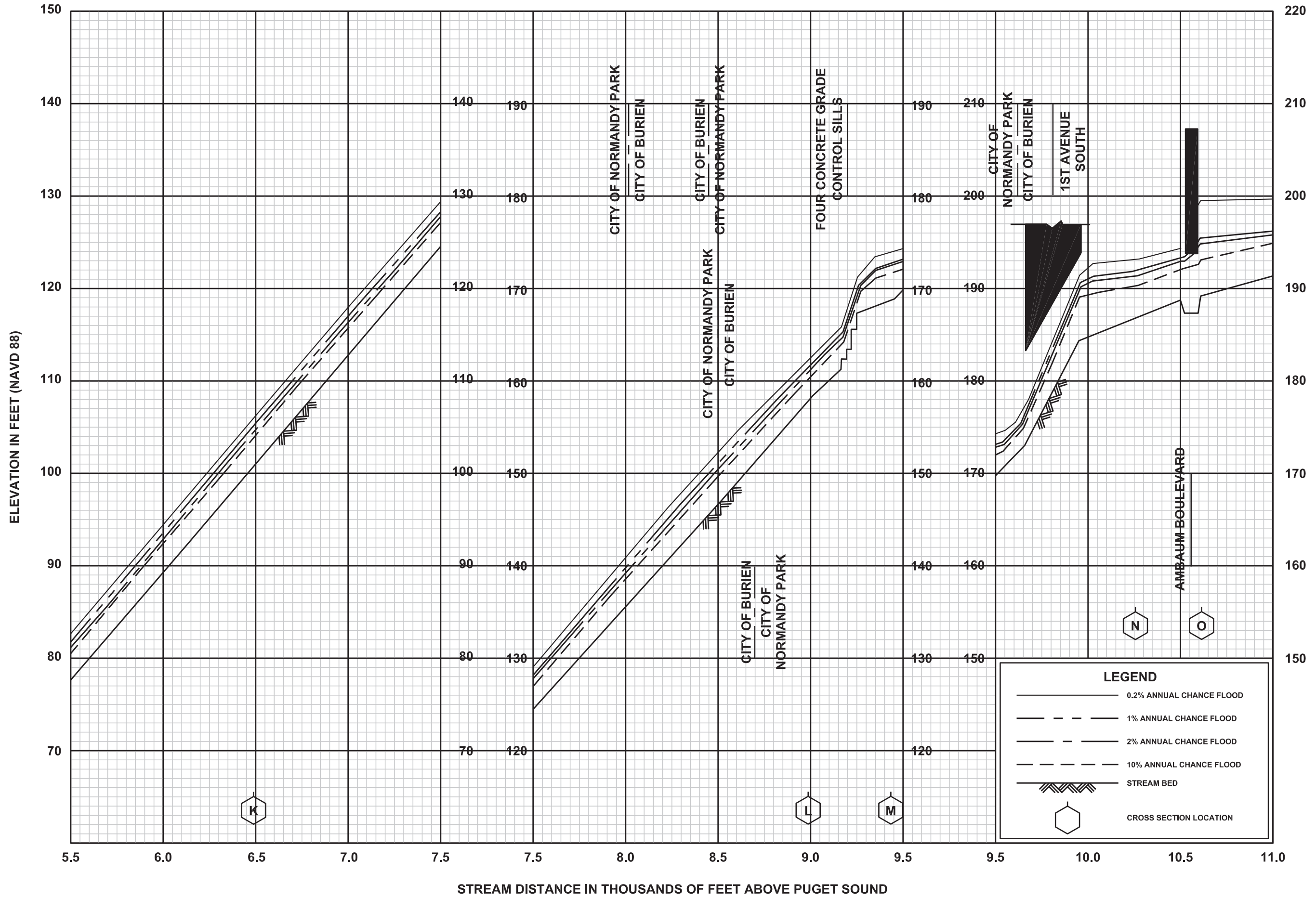


FLOOD PROFILES

MILLER CREEK

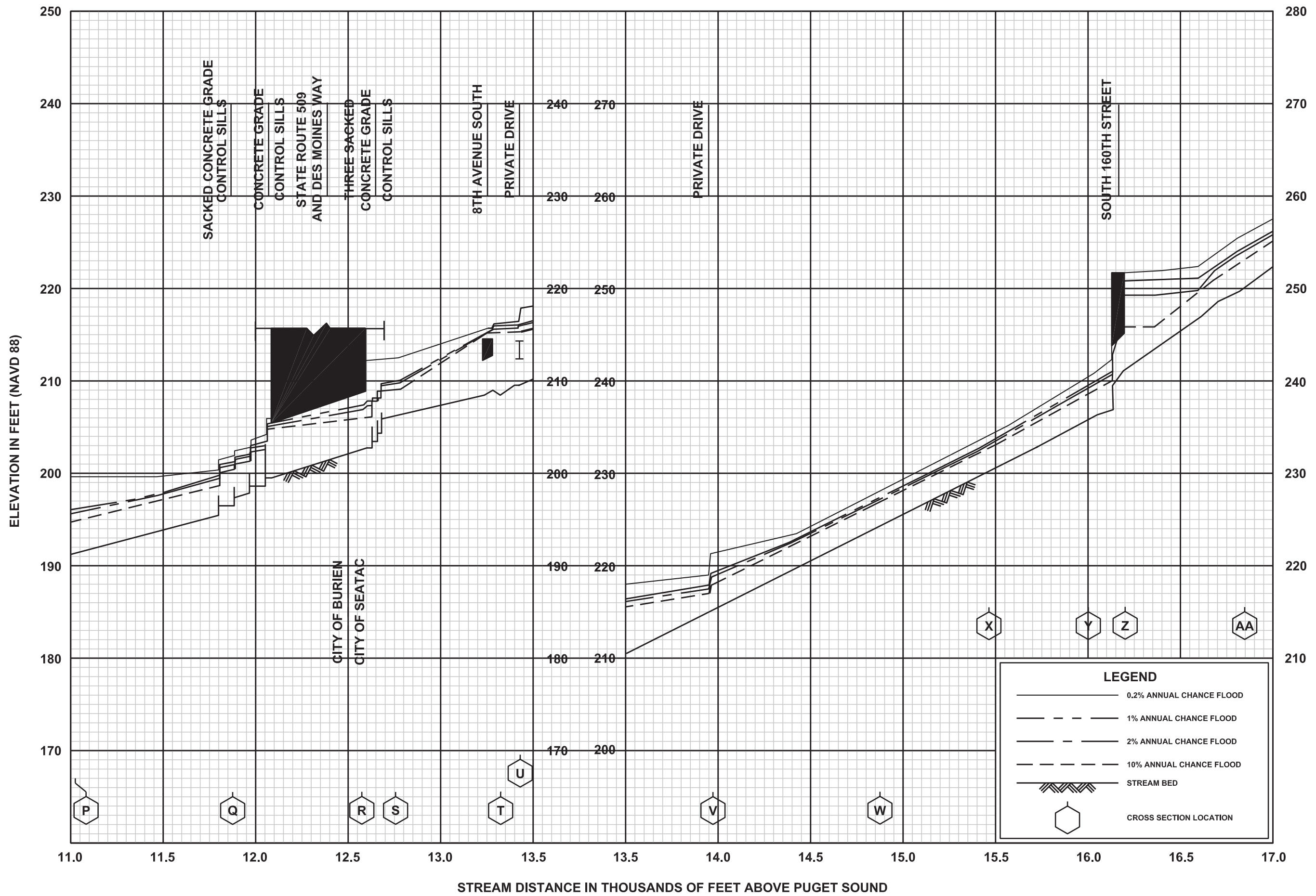
FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS



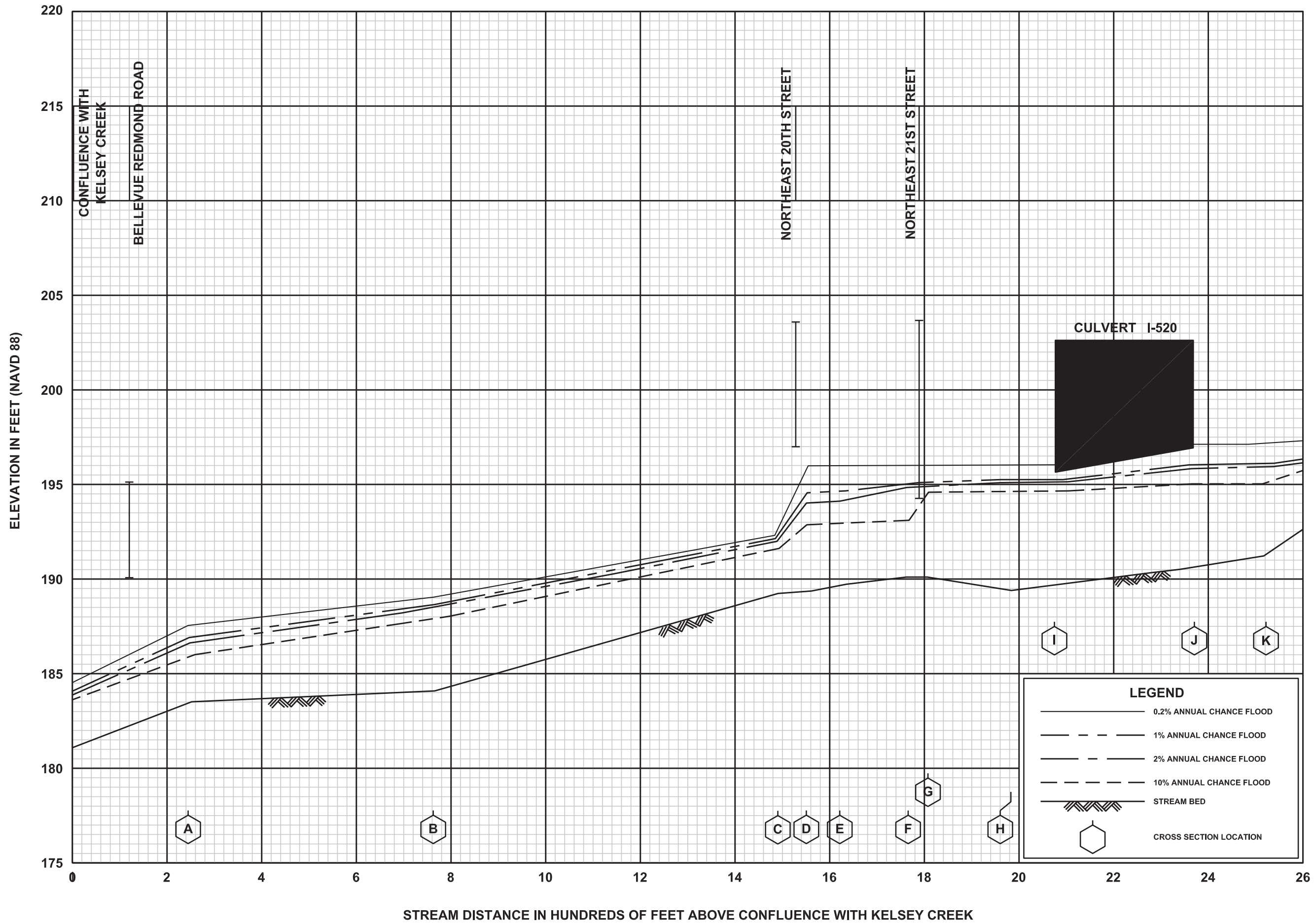
FLOOD PROFILES
MILLER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



**FLOOD PROFILES
MILLER CREEK**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS

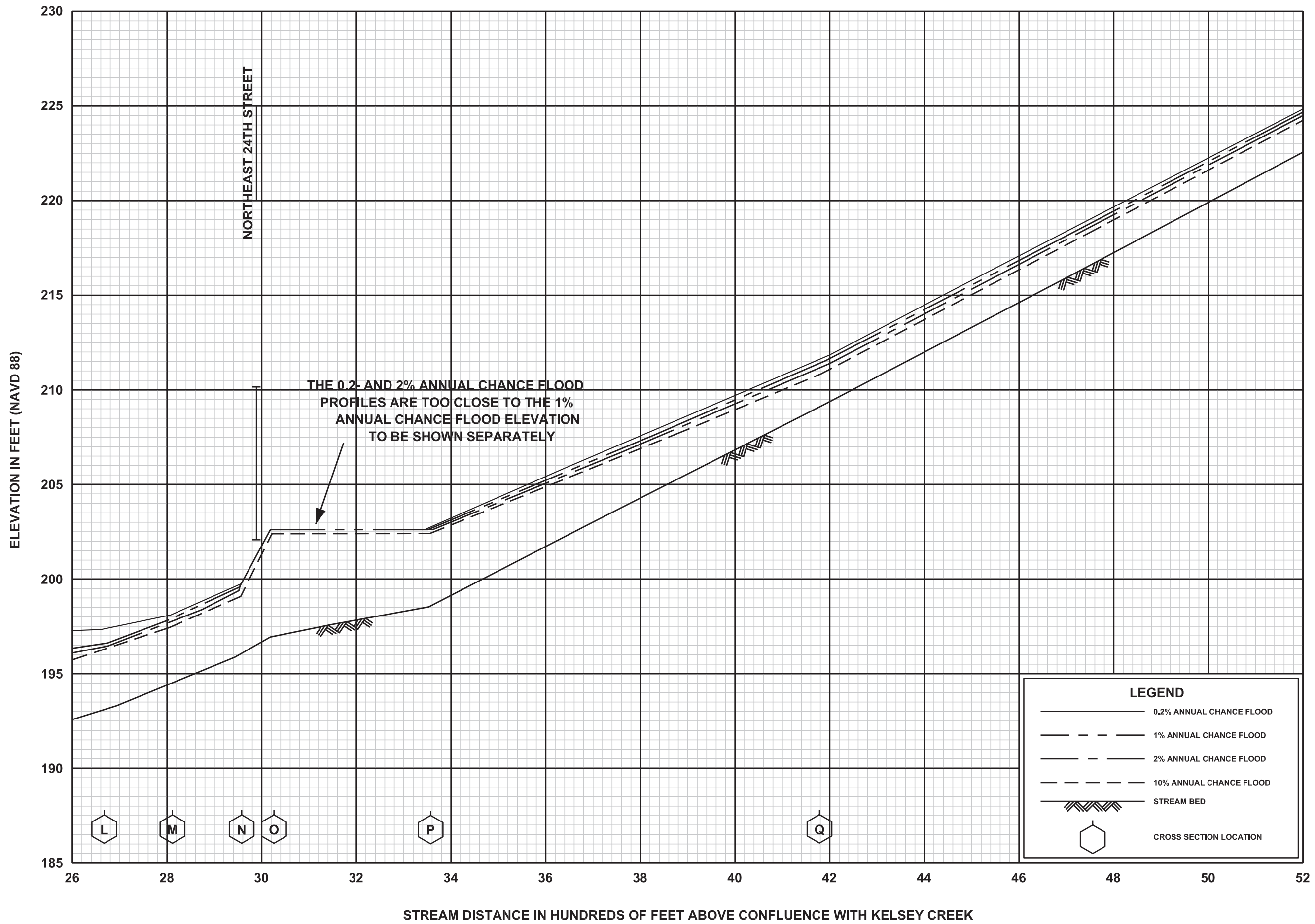


FLOOD PROFILES

NORTH BRANCH MERCER CREEK (NORTH VALLEY)

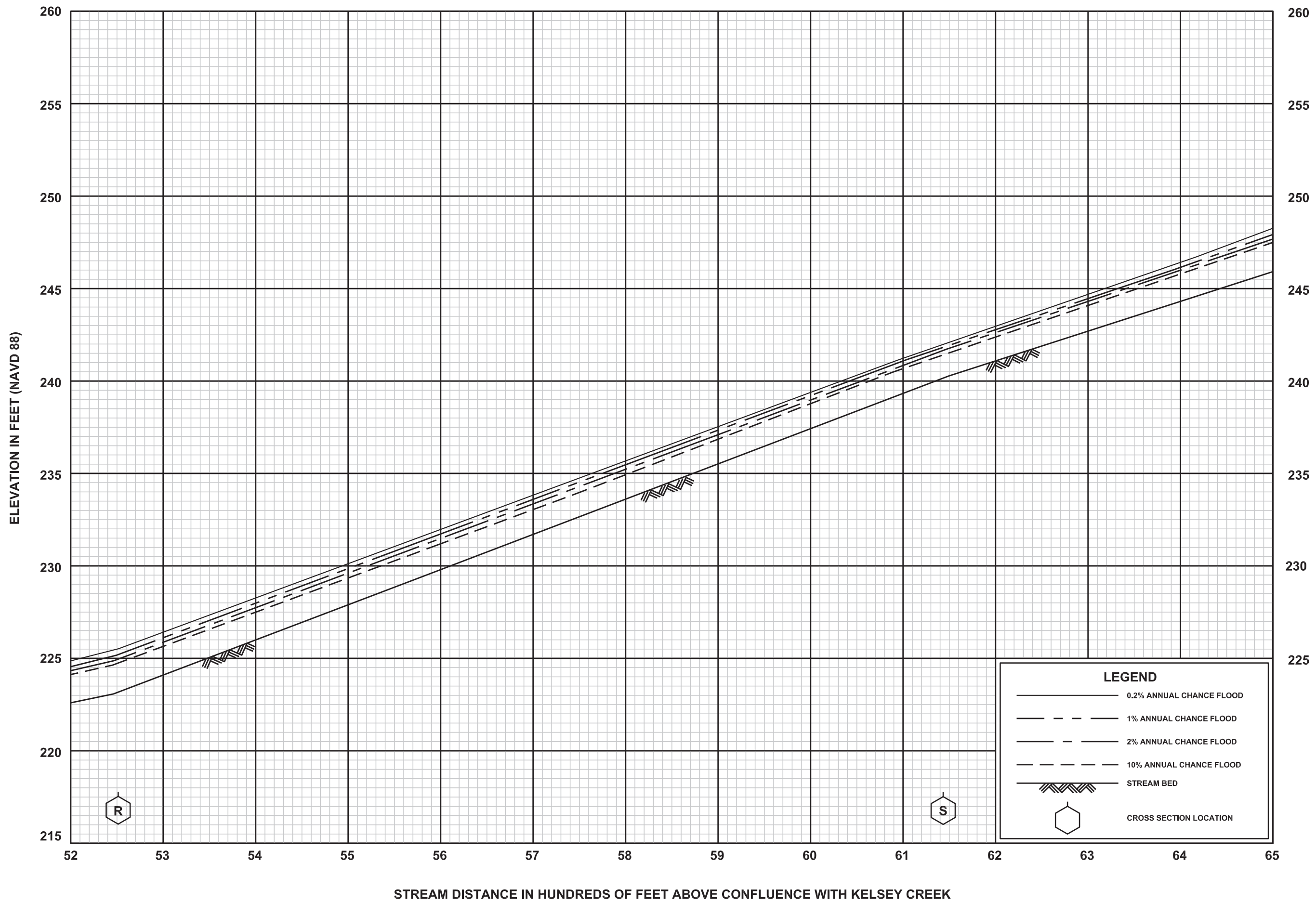
FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS



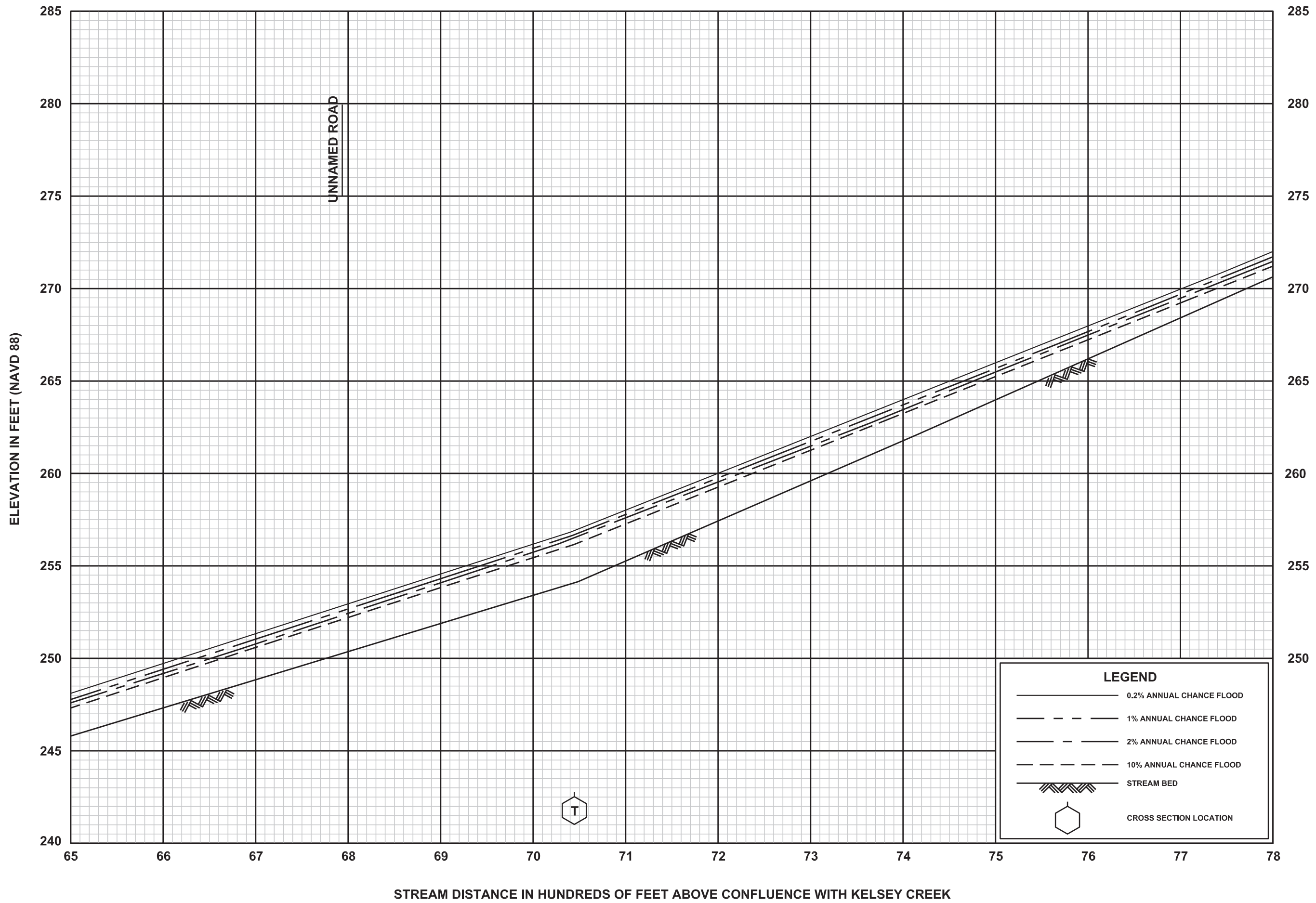
FLOOD PROFILES
NORTH BRANCH MERCER CREEK (NORTH VALLEY)

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
 AND INCORPORATED AREAS



FLOOD PROFILES
NORTH BRANCH MERCER CREEK (NORTH VALLEY)

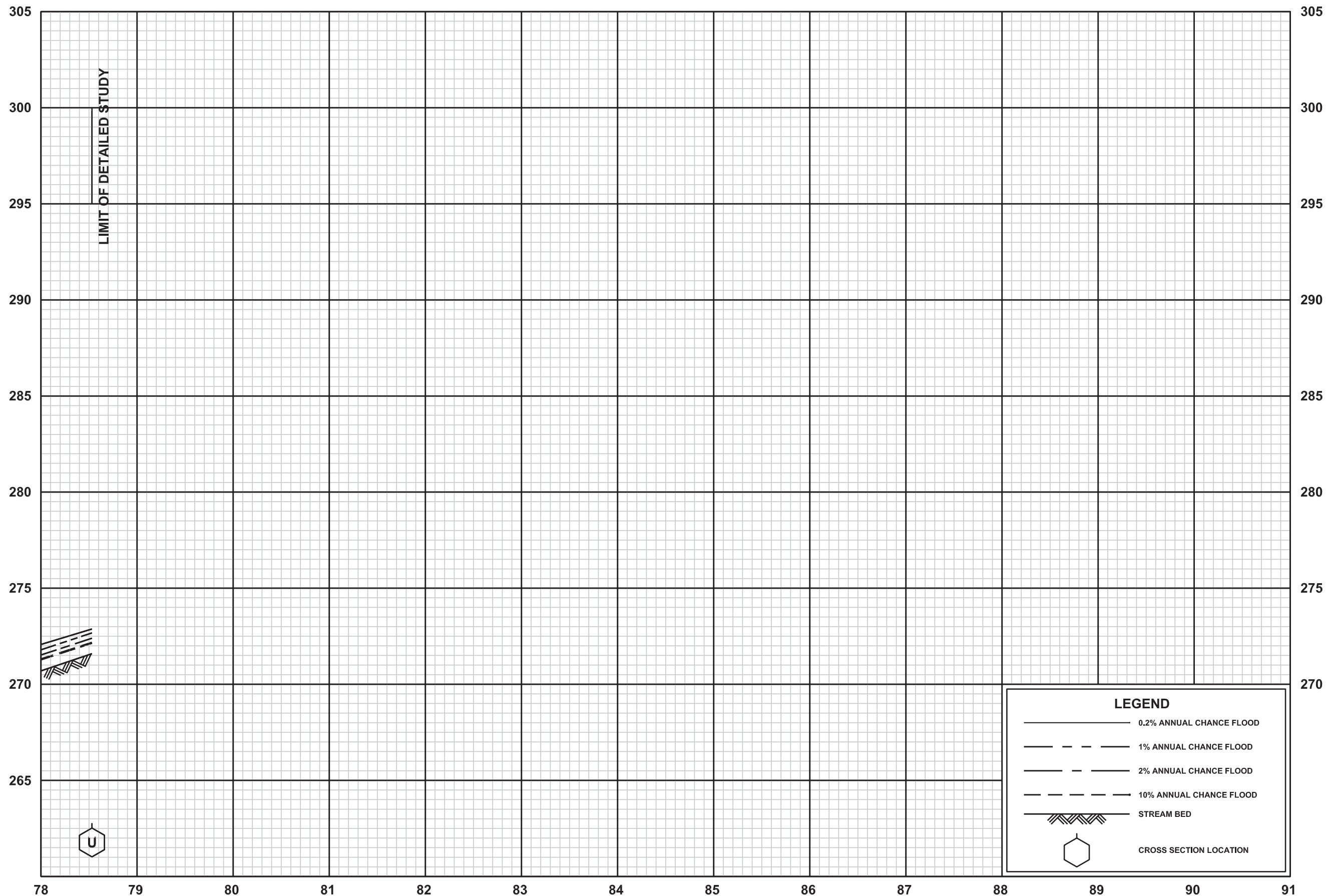
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
 AND INCORPORATED AREAS



FLOOD PROFILES
NORTH BRANCH MERCER CREEK (NORTH VALLEY)

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
 AND INCORPORATED AREAS

ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN HUNDREDS OF FEET ABOVE CONFLUENCE WITH KELSEY CREEK

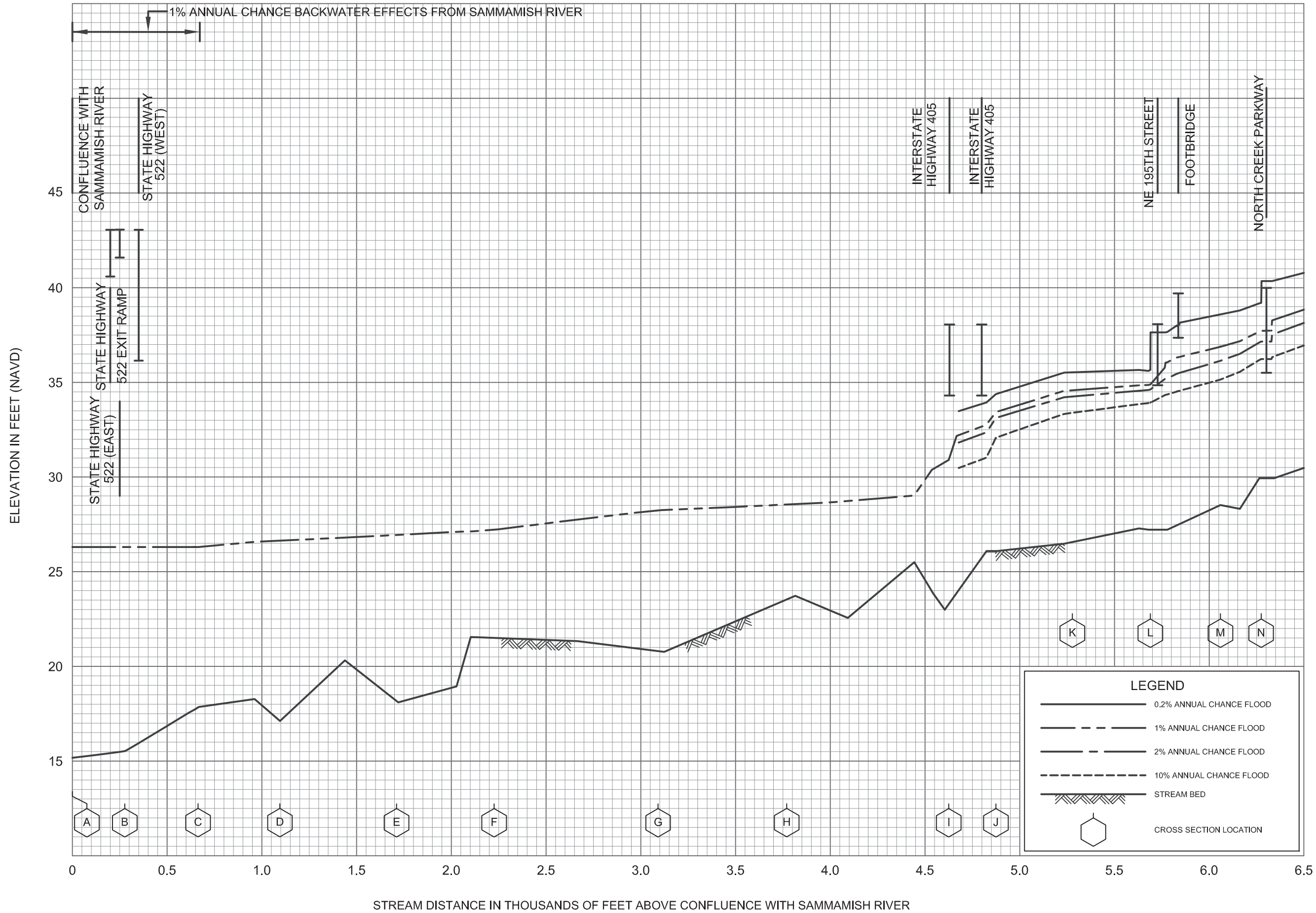
FLOOD PROFILES

NORTH BRANCH MERCER CREEK (NORTH VALLEY)

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS



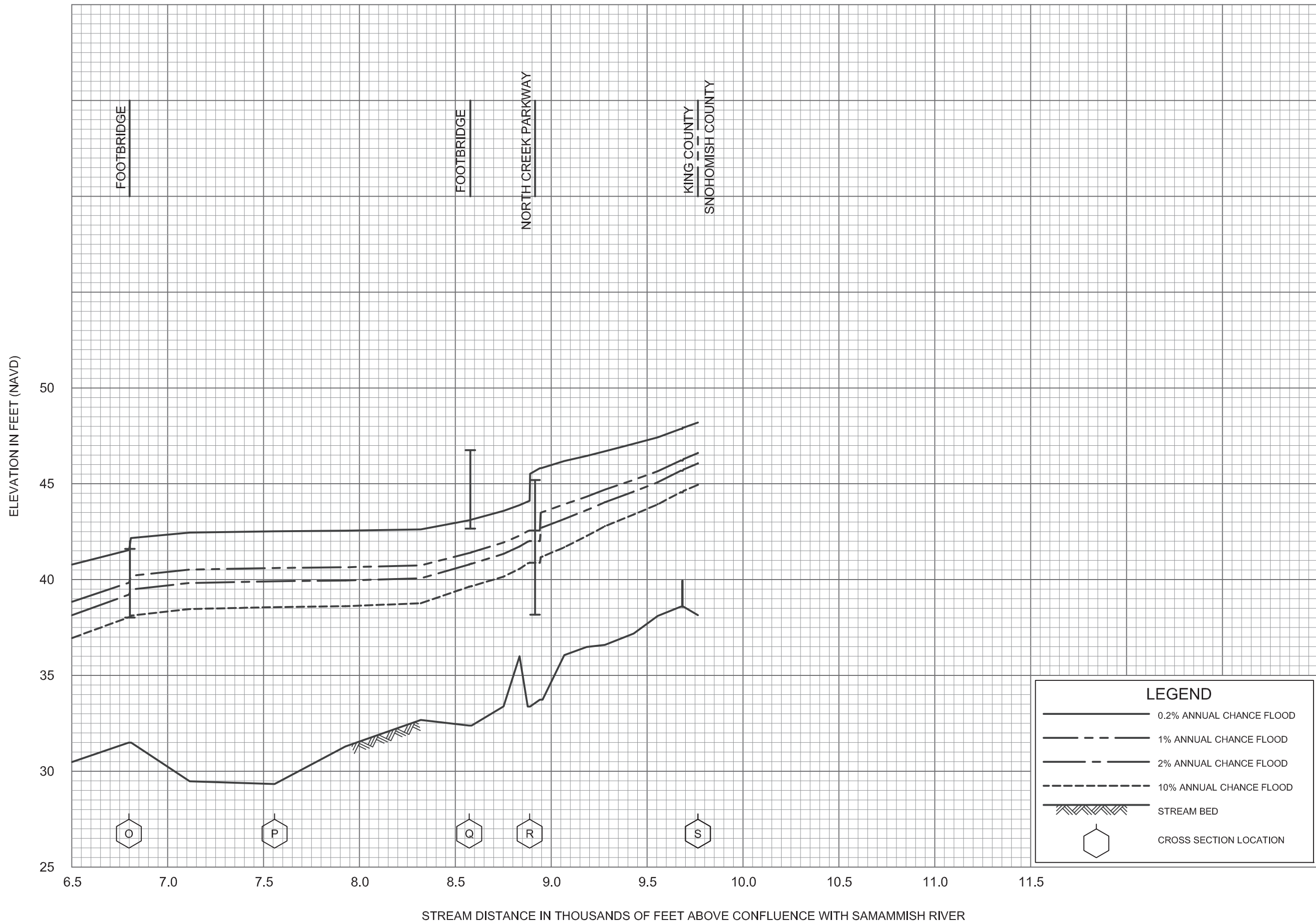
FLOOD PROFILES

NORTH CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

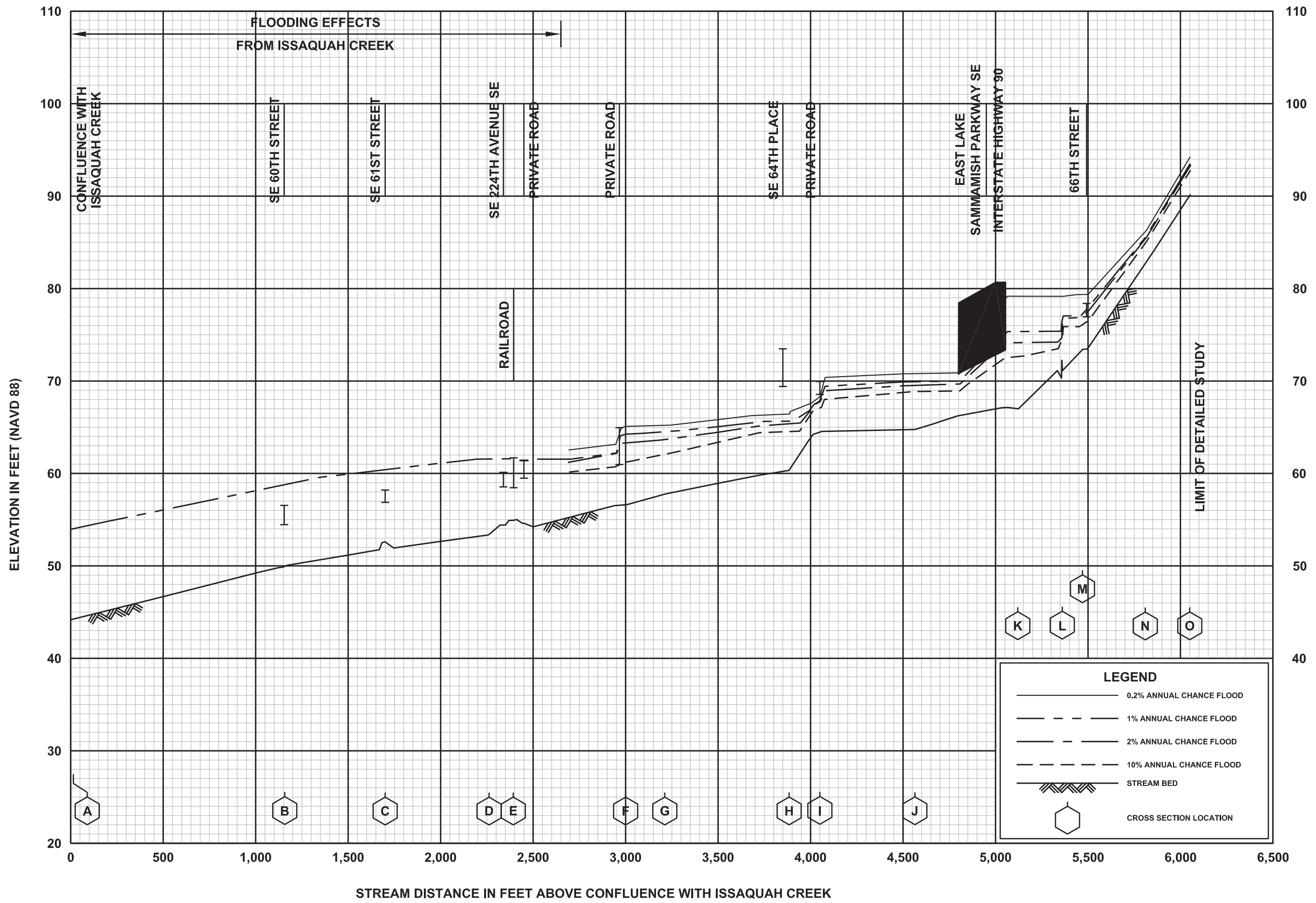
AND INCORPORATED AREAS



FLOOD PROFILES

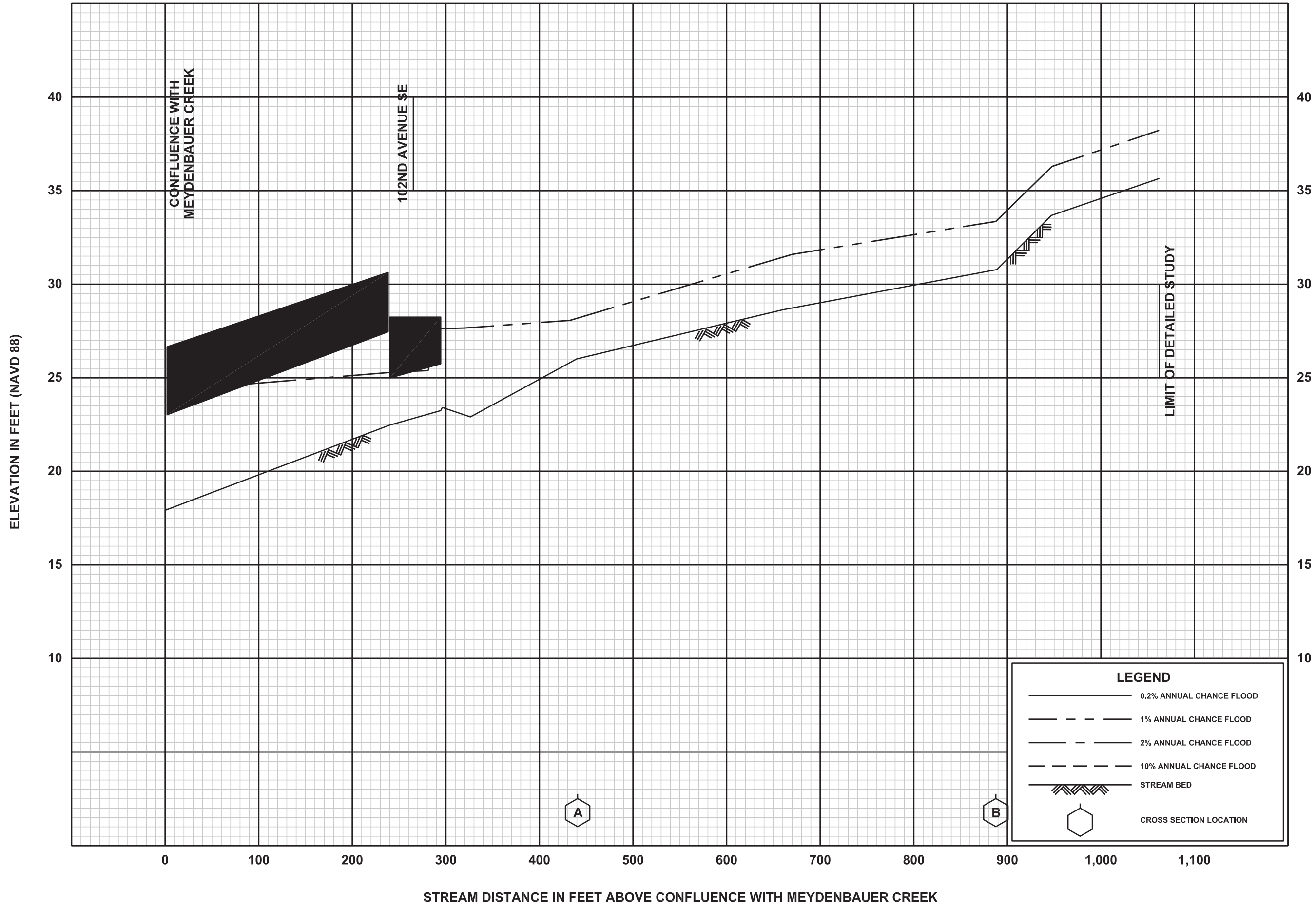
NORTH CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
 KING COUNTY, WA
 AND INCORPORATED AREAS



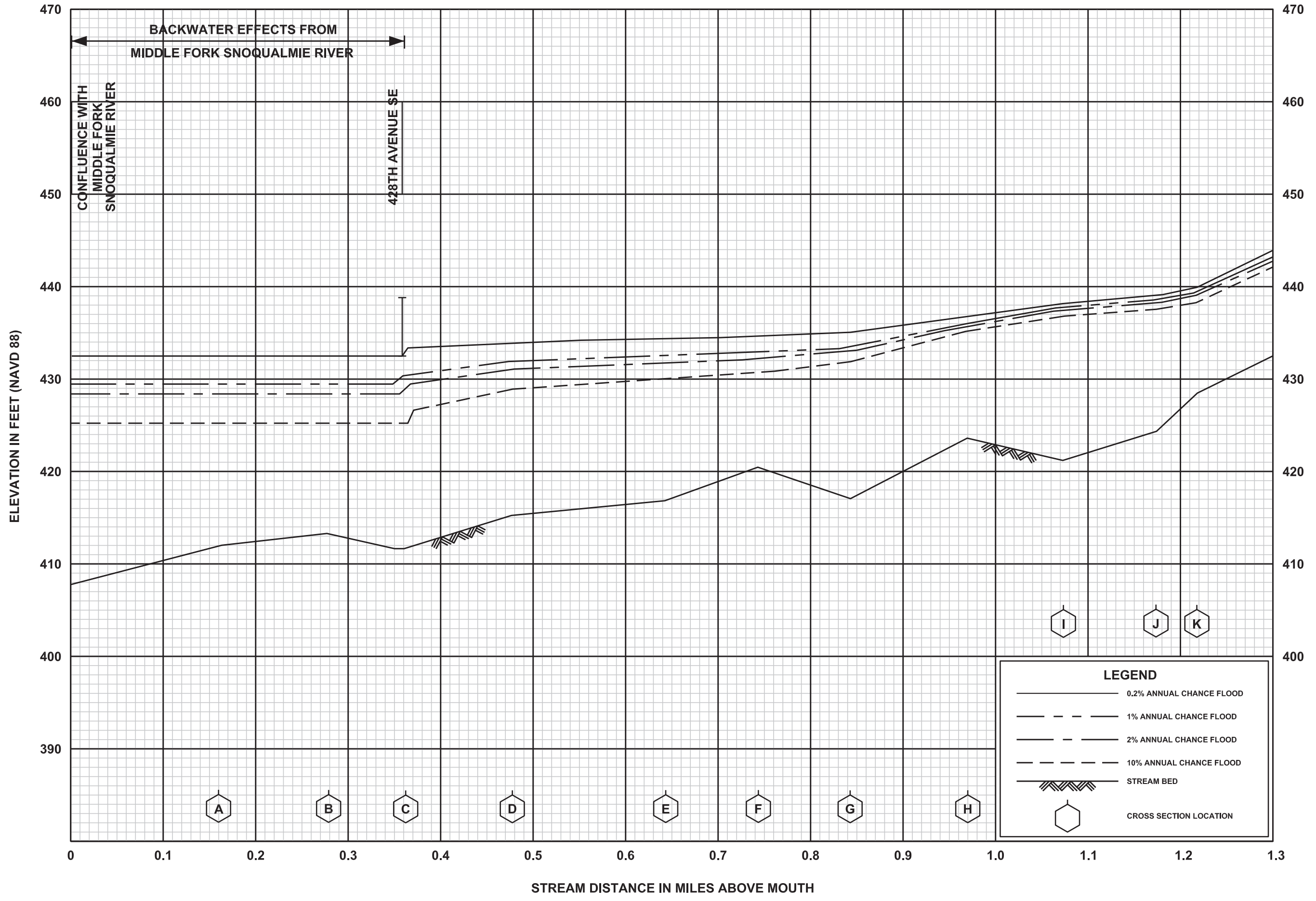
**FLOOD PROFILES
NORTH FORK ISSAQUAH CREEK**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



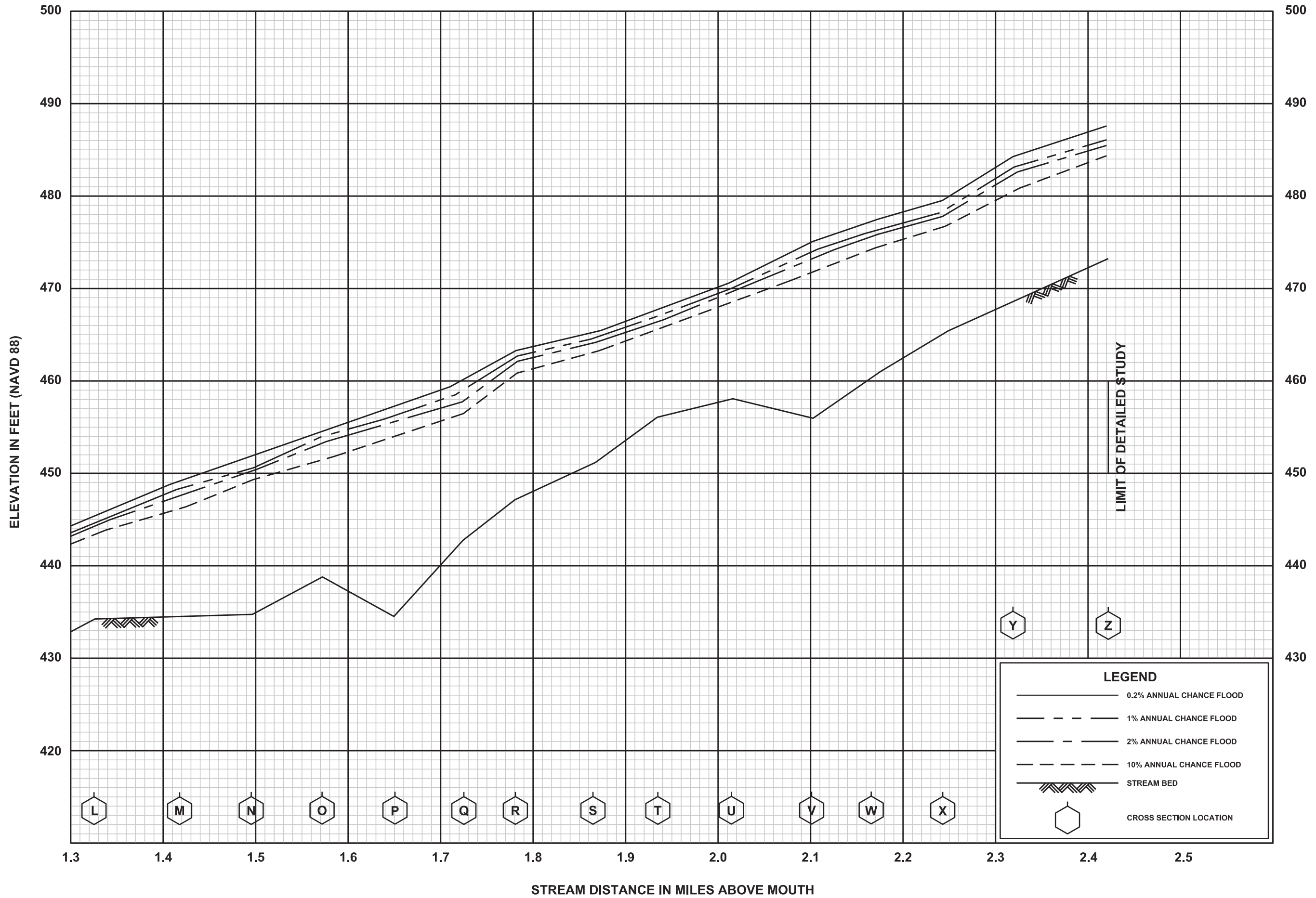
FLOOD PROFILES
NORTH FORK MEYDENBAUER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
 AND INCORPORATED AREAS



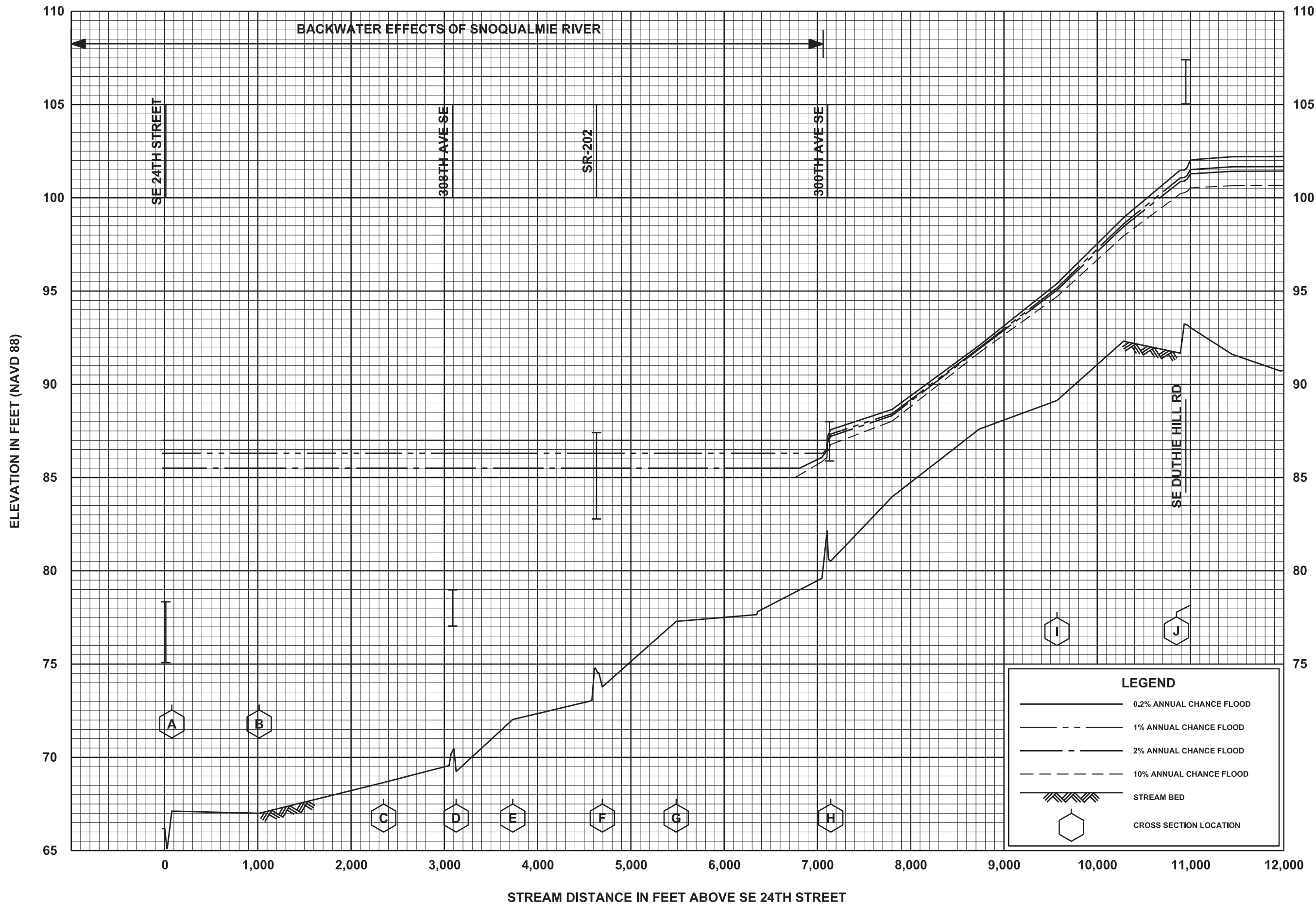
FLOOD PROFILES
NORTH FORK SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



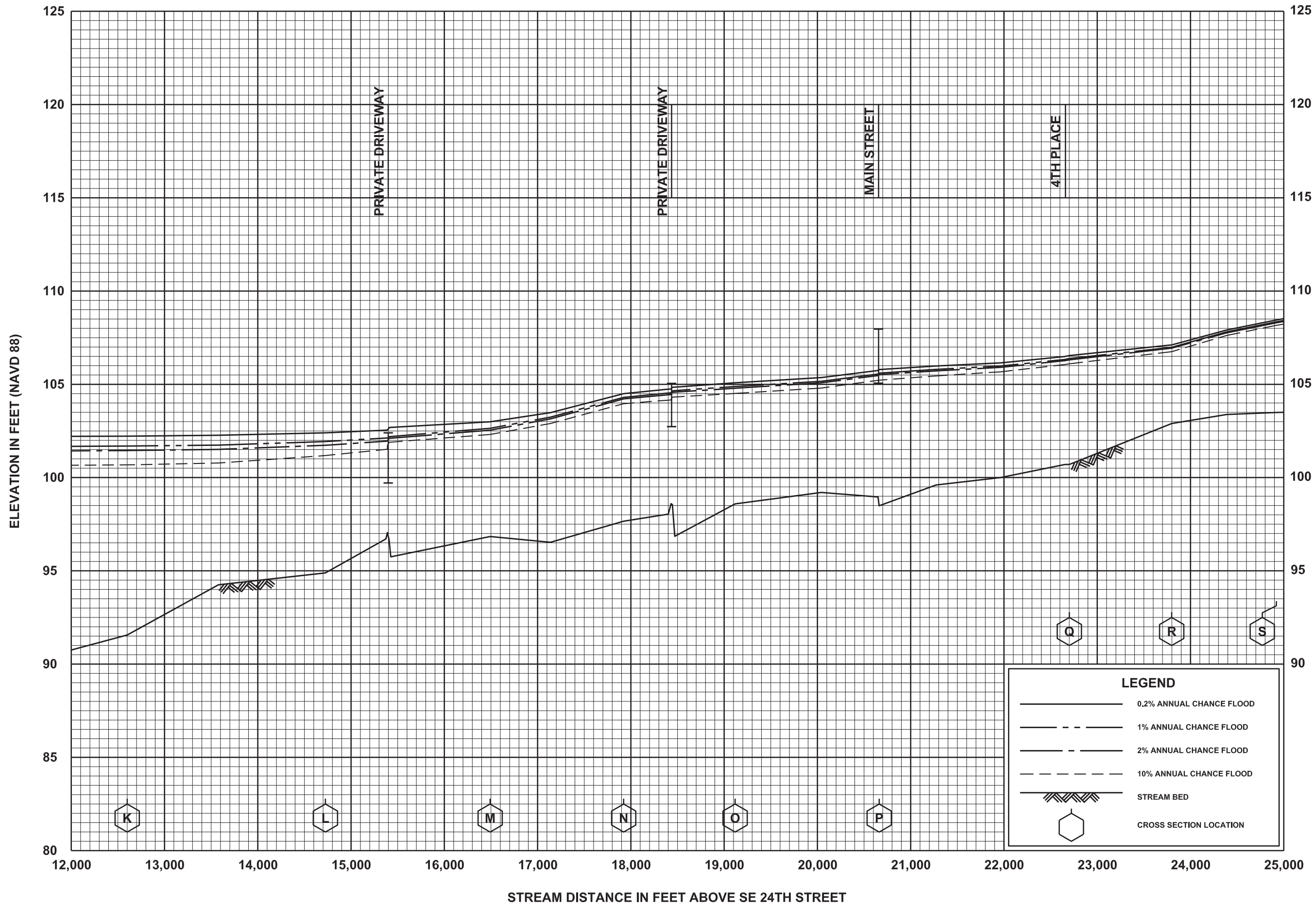
FLOOD PROFILES
NORTH FORK SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



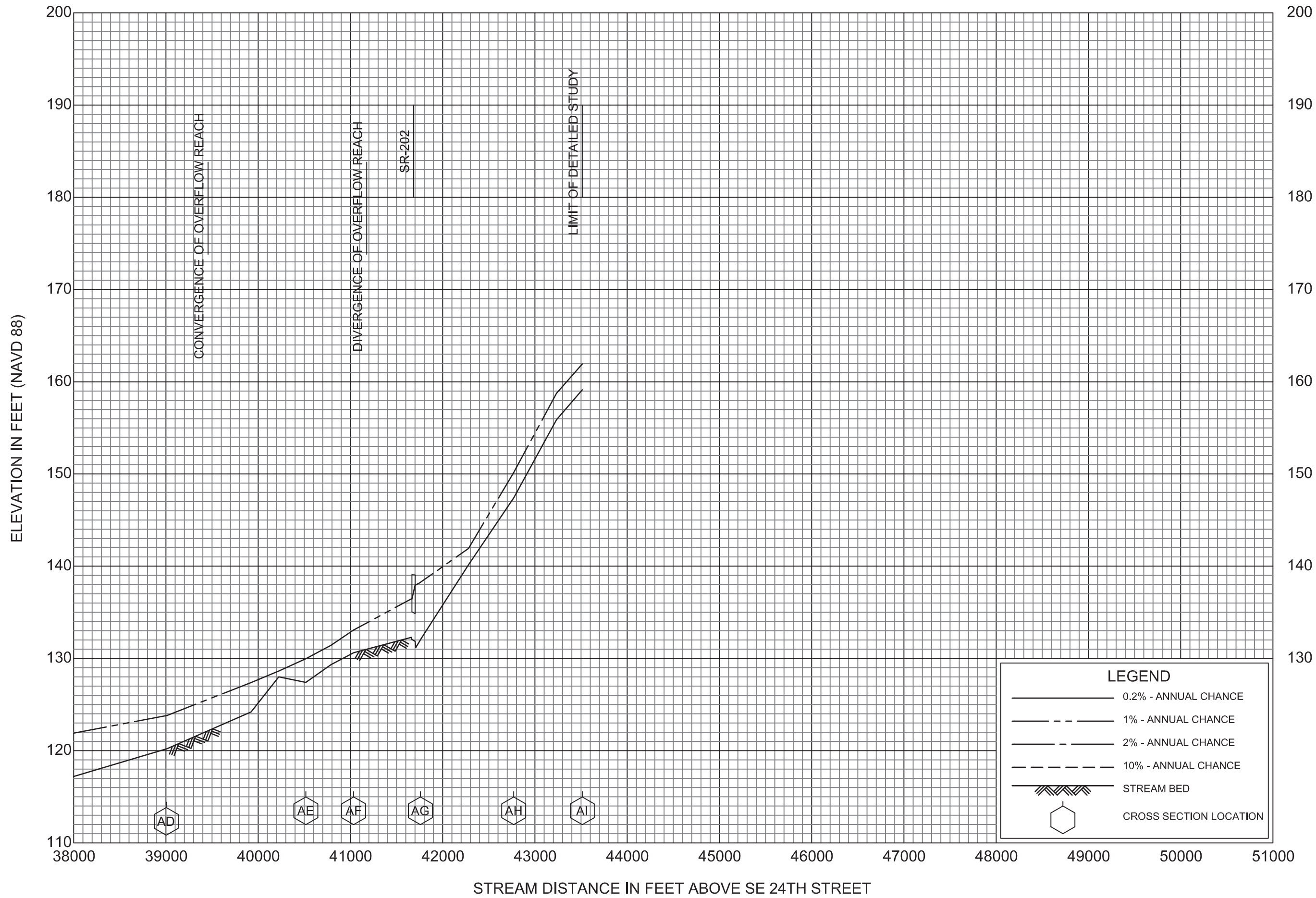
FLOOD PROFILES
PATTERSON CREEK

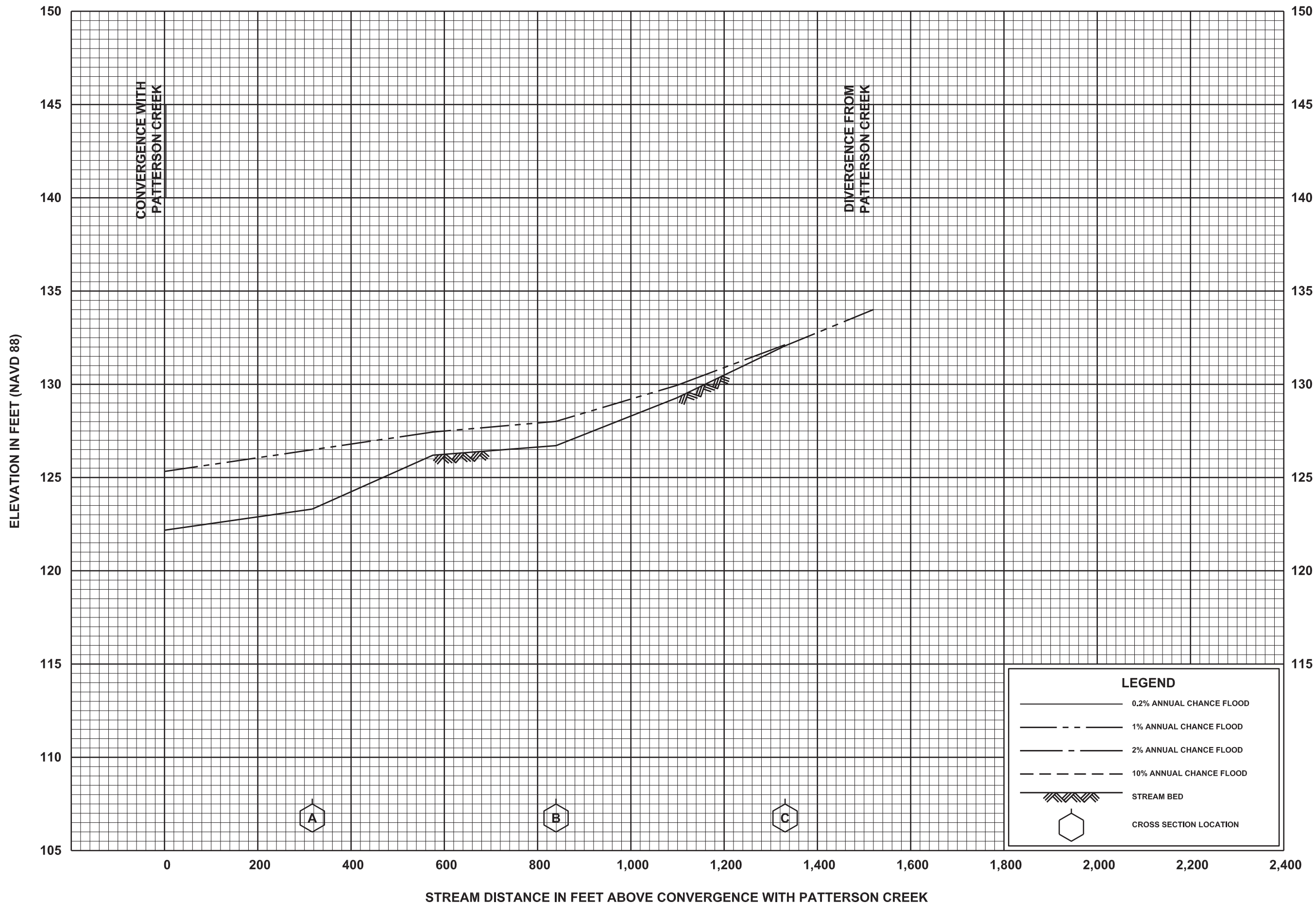
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



**FLOOD PROFILES
PATTERSON CREEK**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



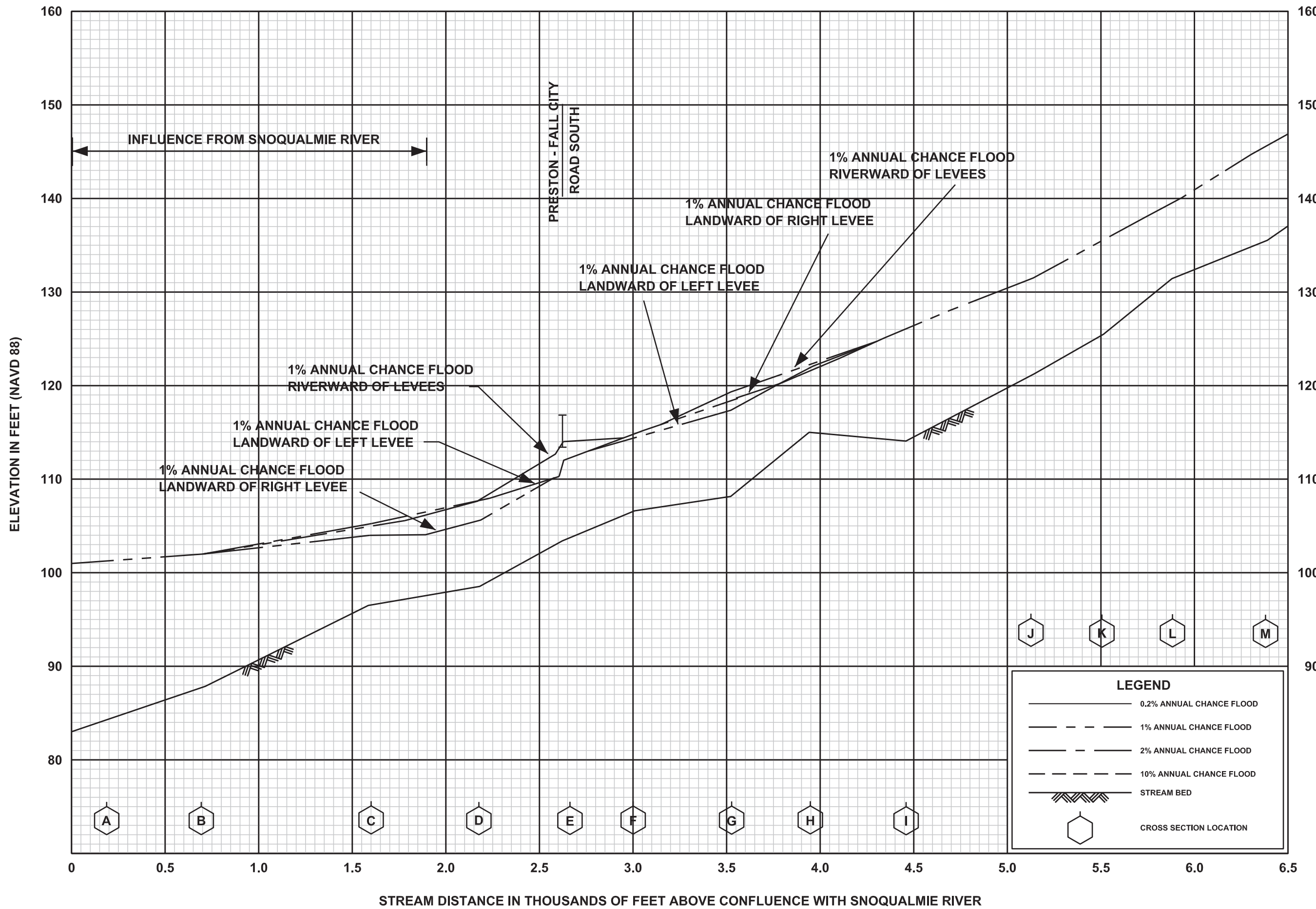


FLOOD PROFILES

PATTERSON CREEK OVERFLOW REACH

FEDERAL EMERGENCY MANAGEMENT AGENCY

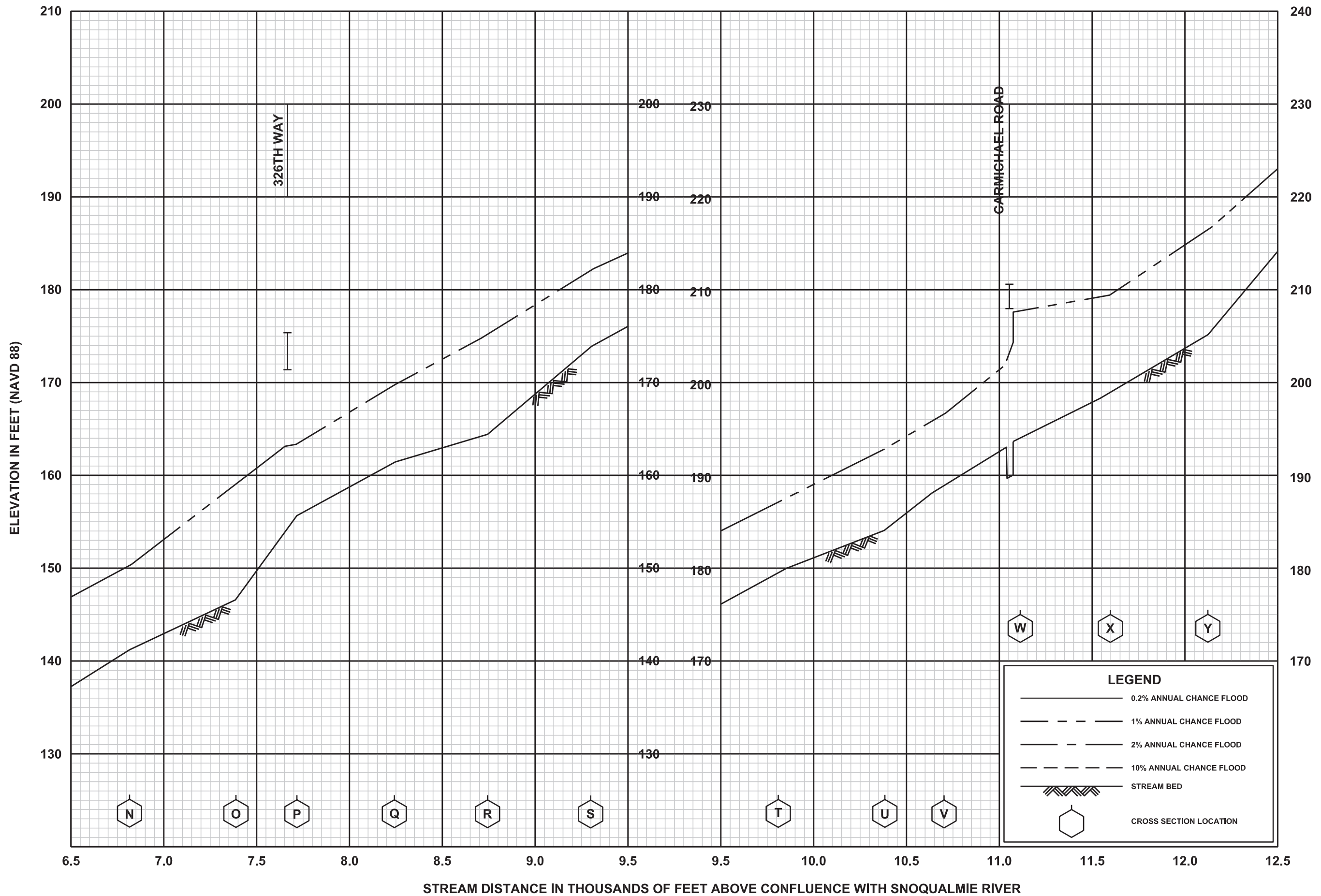
KING COUNTY, WA
AND INCORPORATED AREAS



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

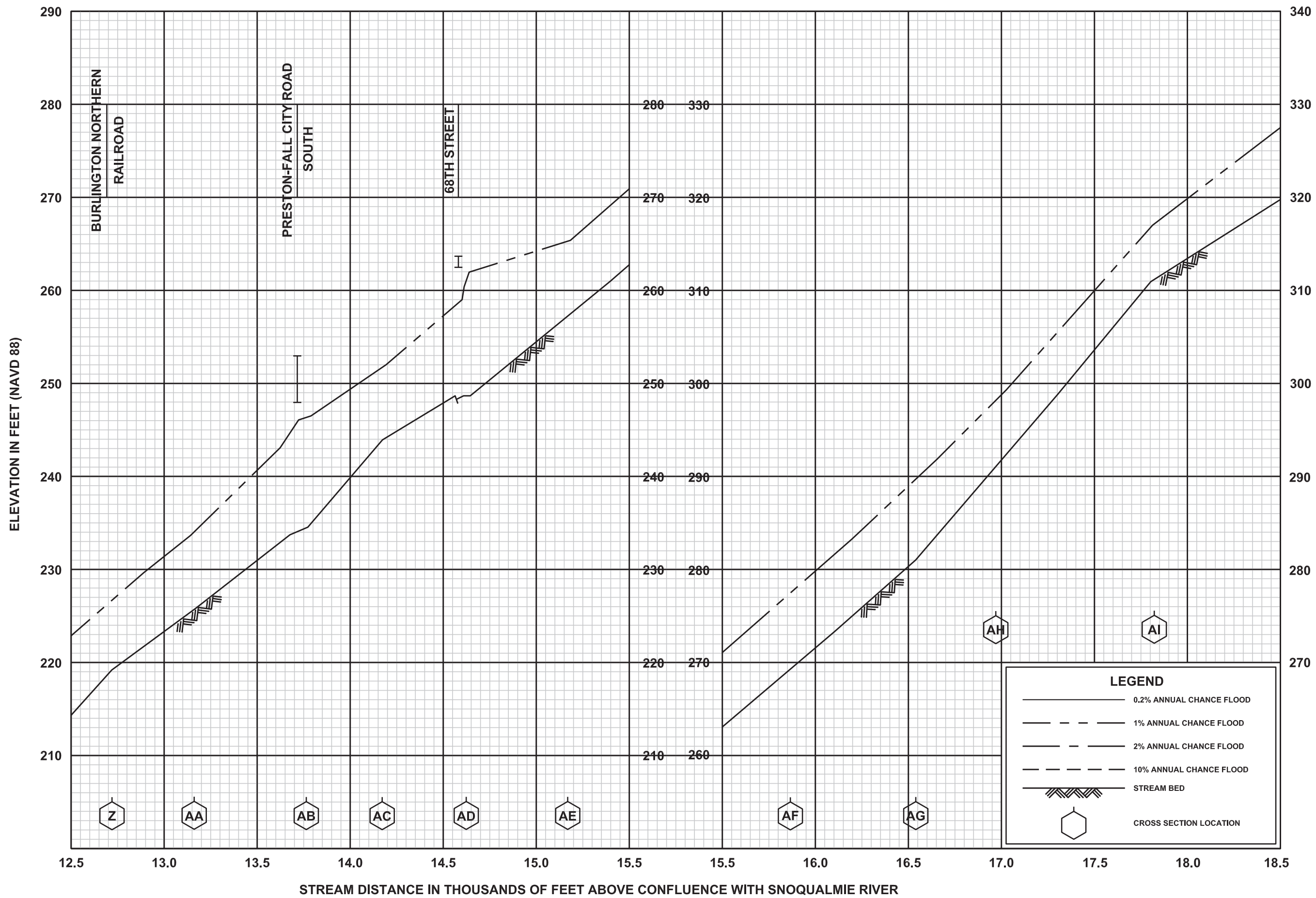
FLOOD PROFILES
RAGING RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



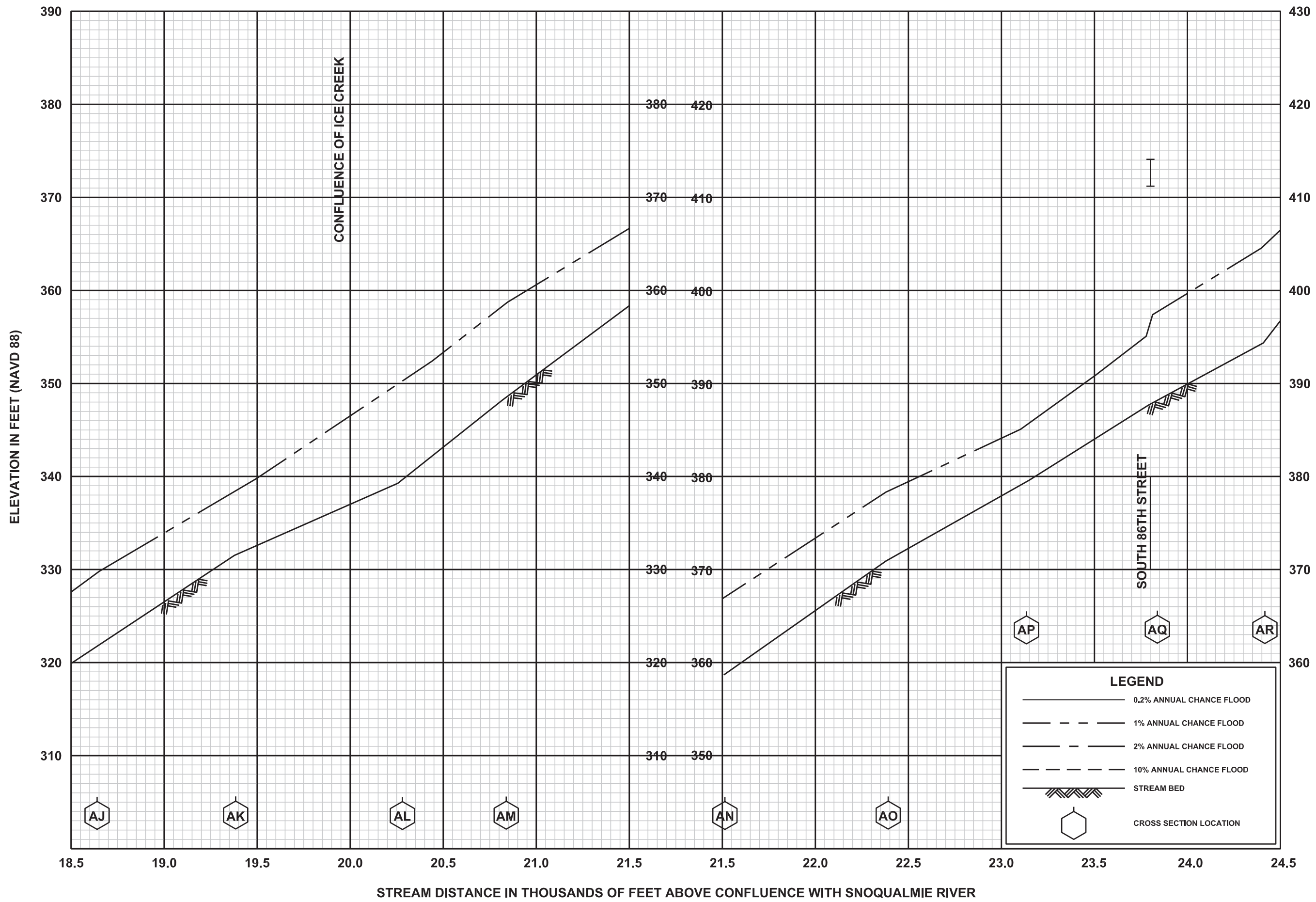
**FLOOD PROFILES
RAGING RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



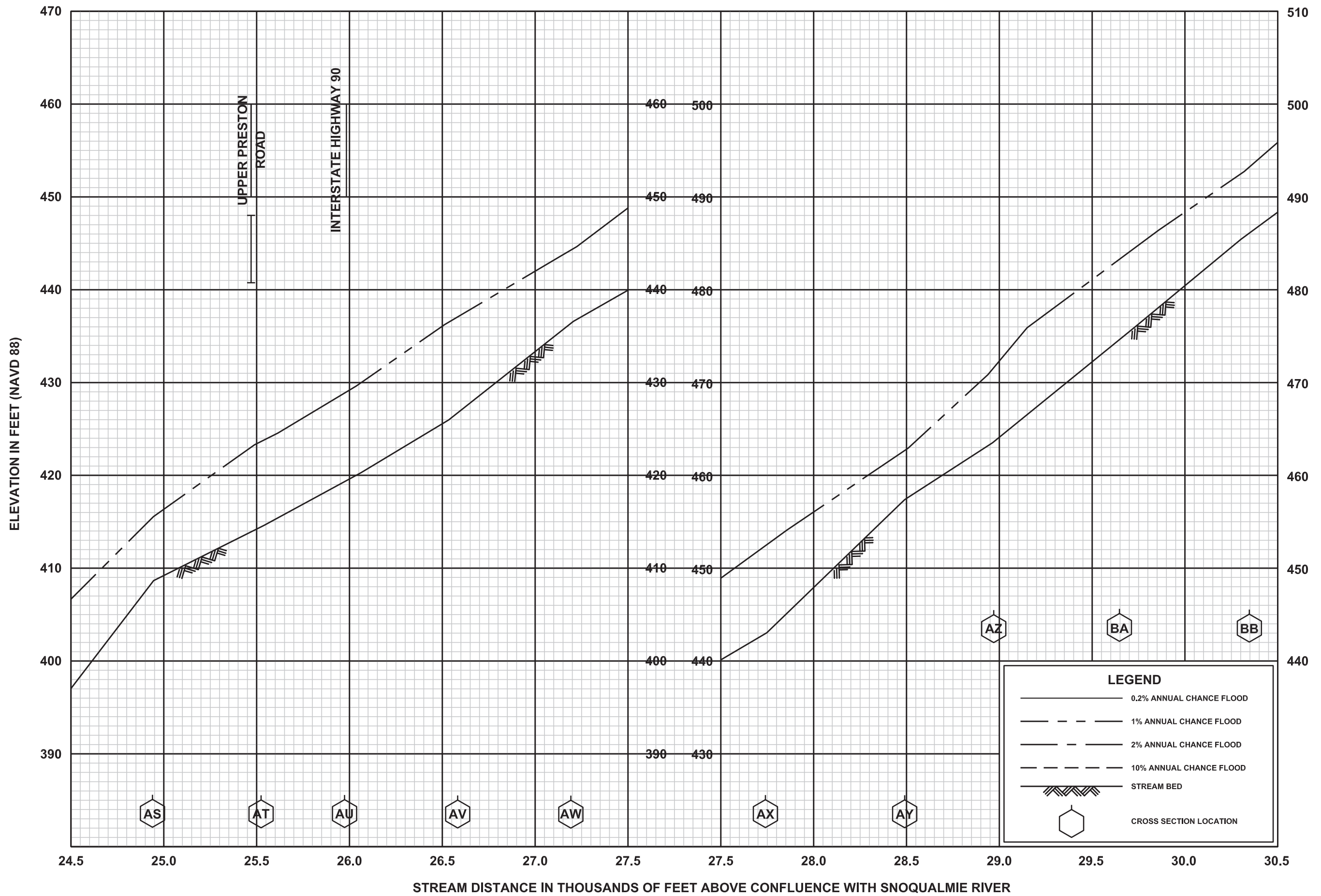
**FLOOD PROFILES
RAGING RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



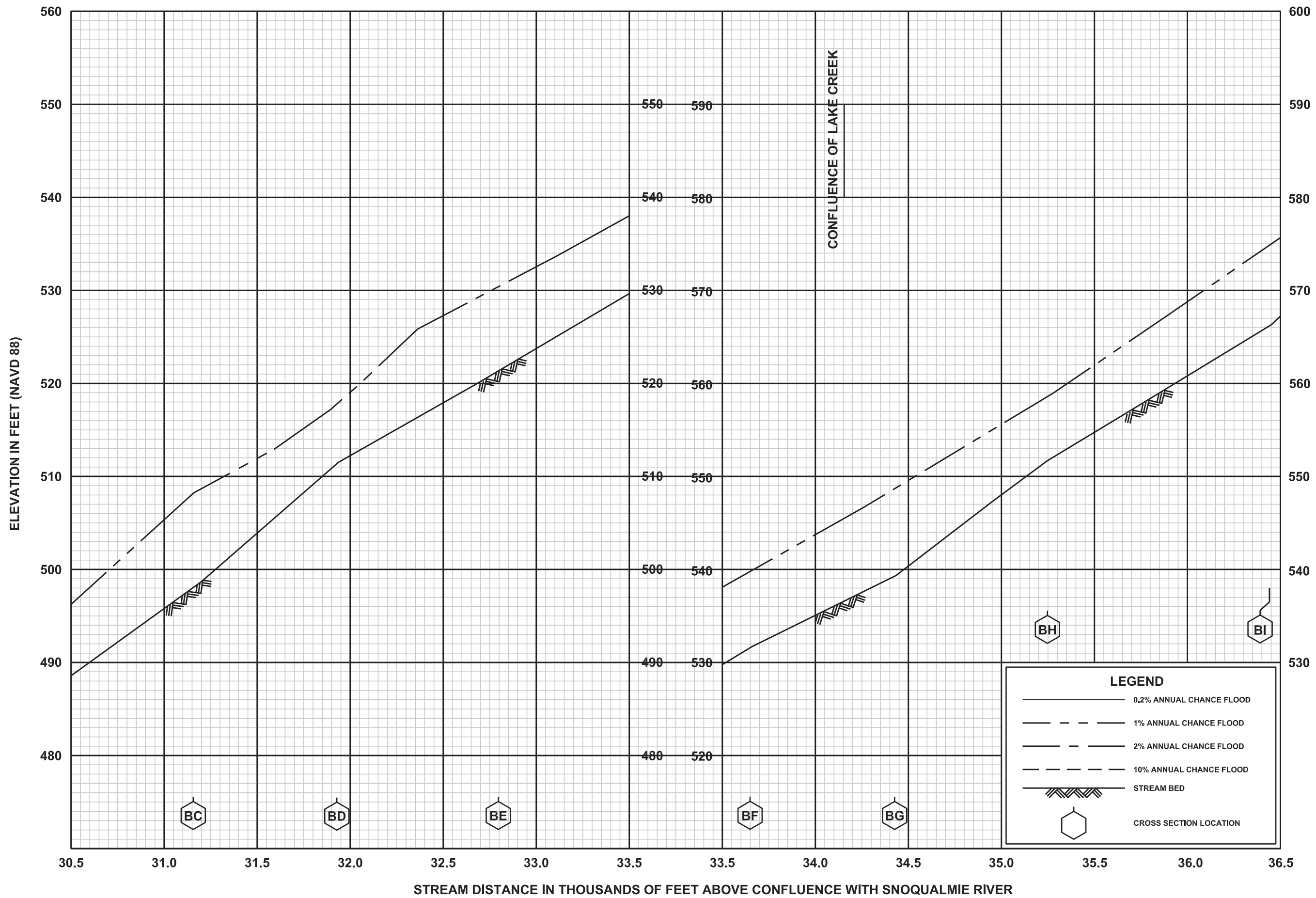
**FLOOD PROFILES
RAGING RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



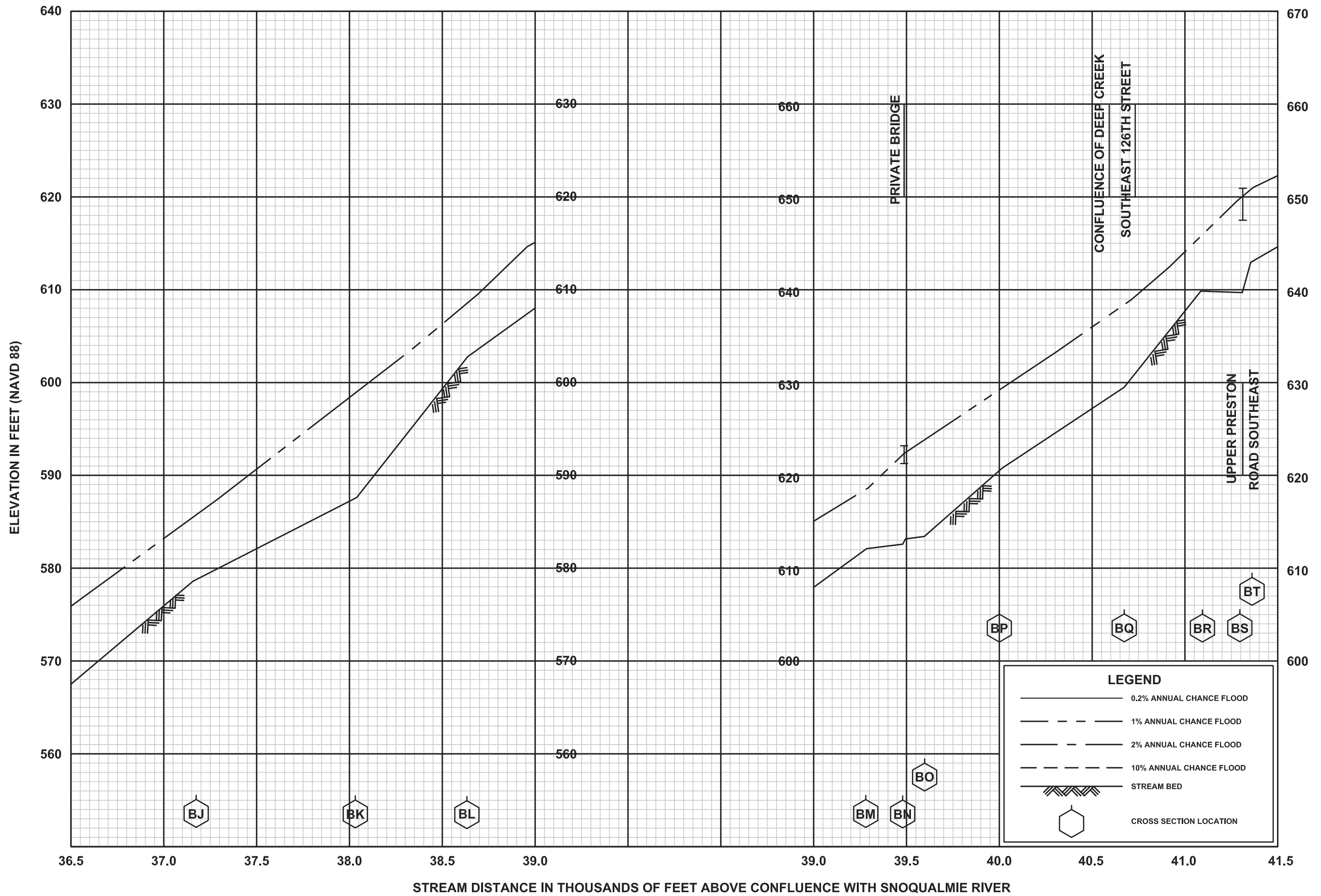
**FLOOD PROFILES
RAGING RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



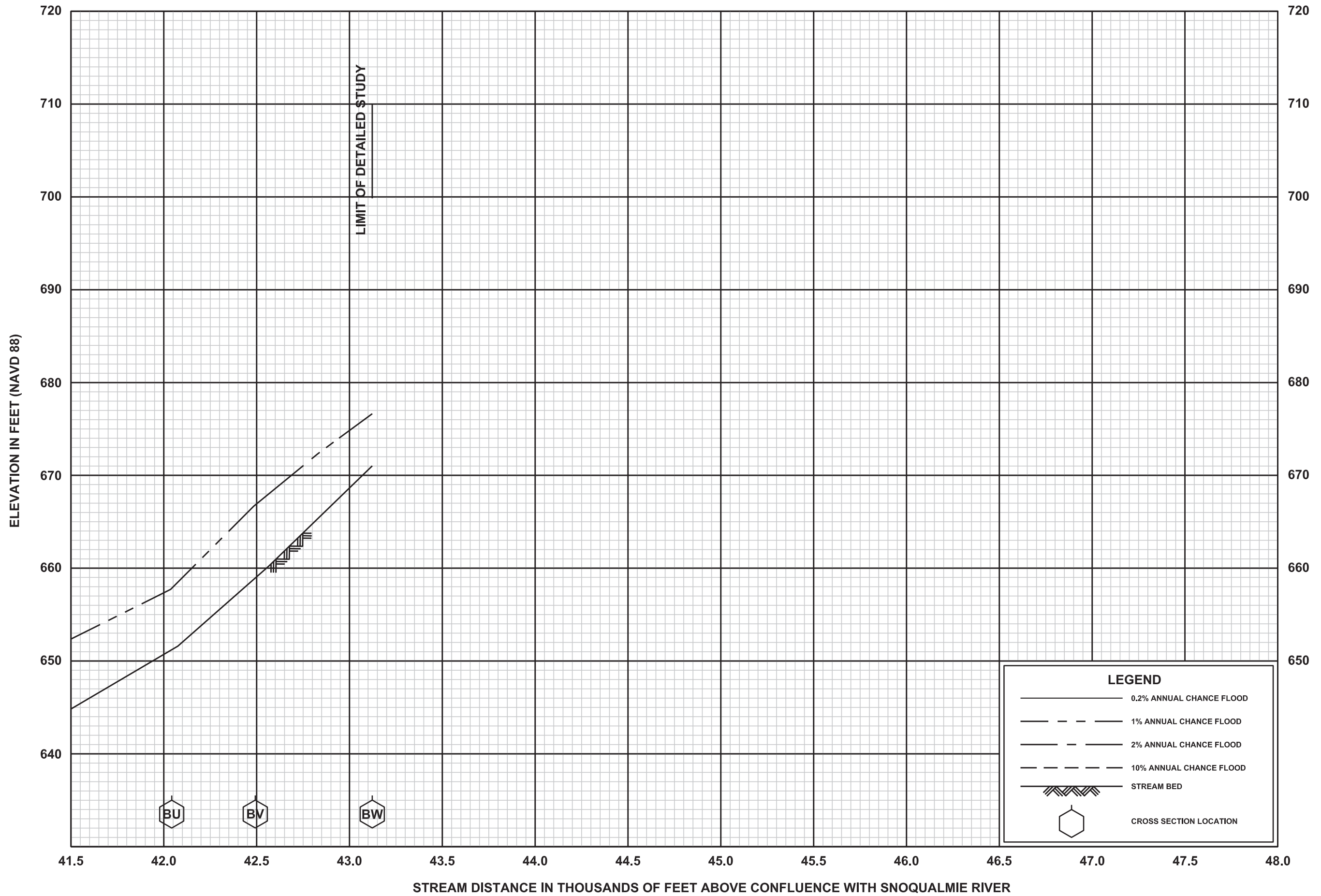
**FLOOD PROFILES
RAGING RIVER**

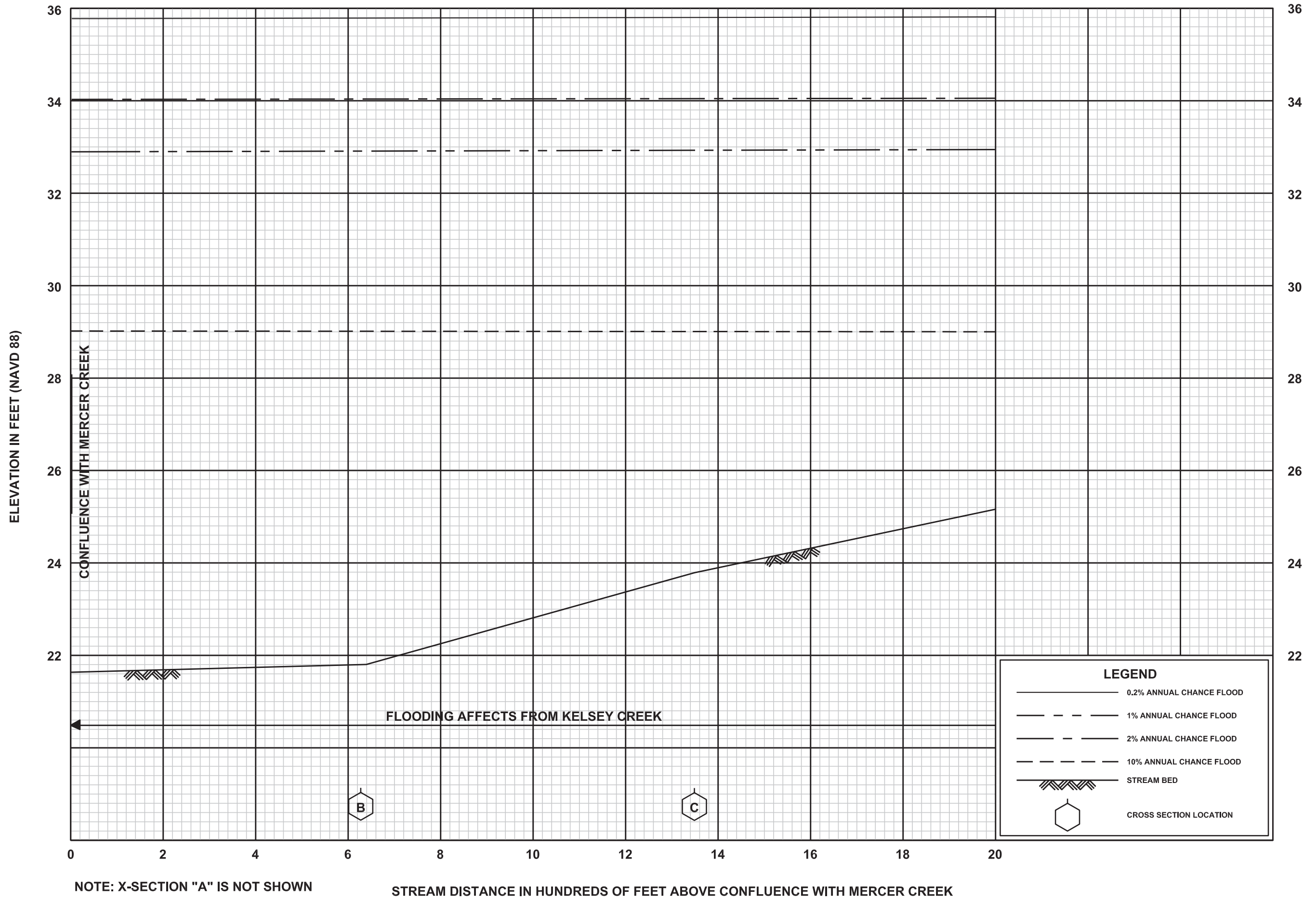
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES
RAGING RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



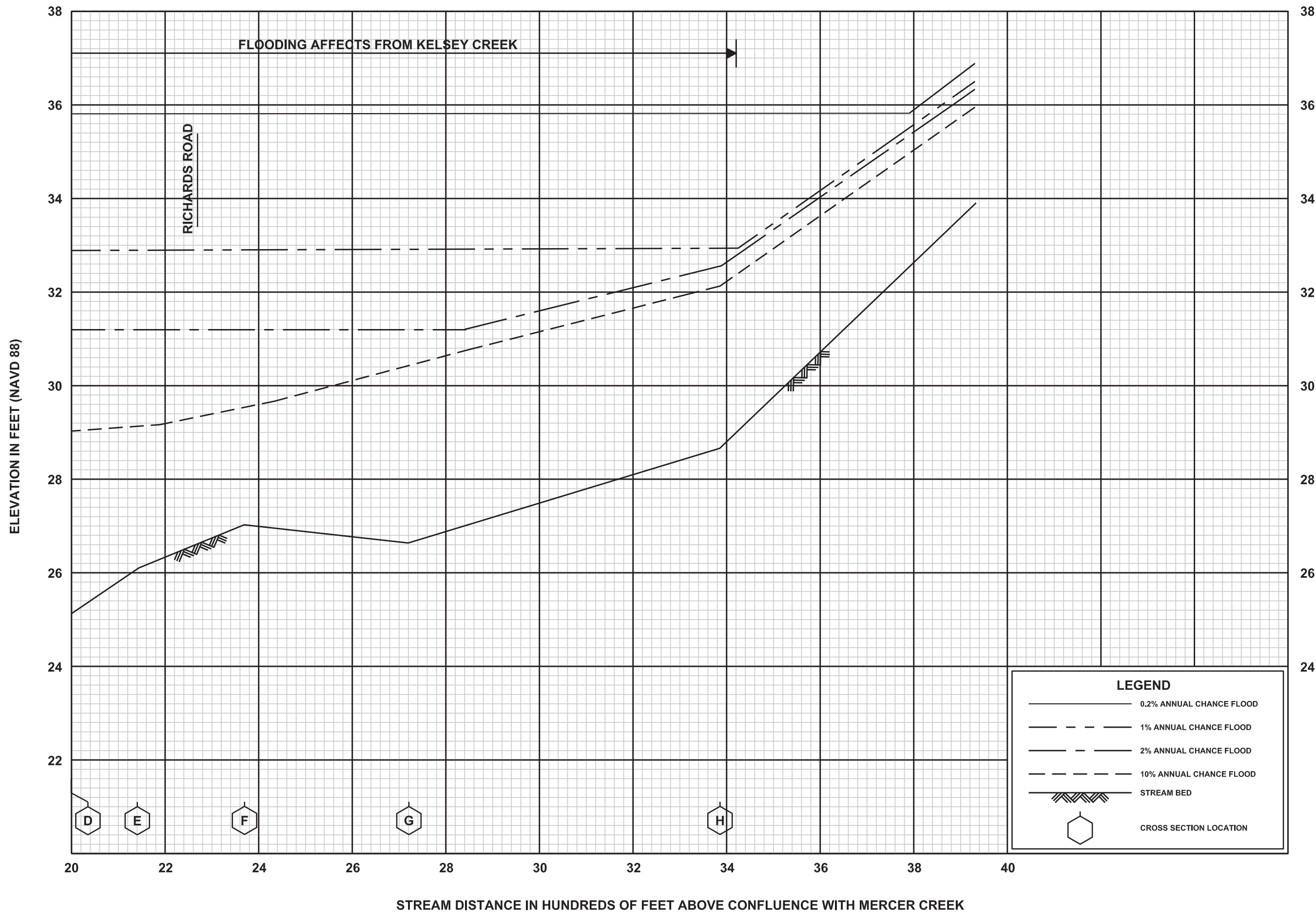


NOTE: X-SECTION "A" IS NOT SHOWN

STREAM DISTANCE IN HUNDREDS OF FEET ABOVE CONFLUENCE WITH MERCER CREEK

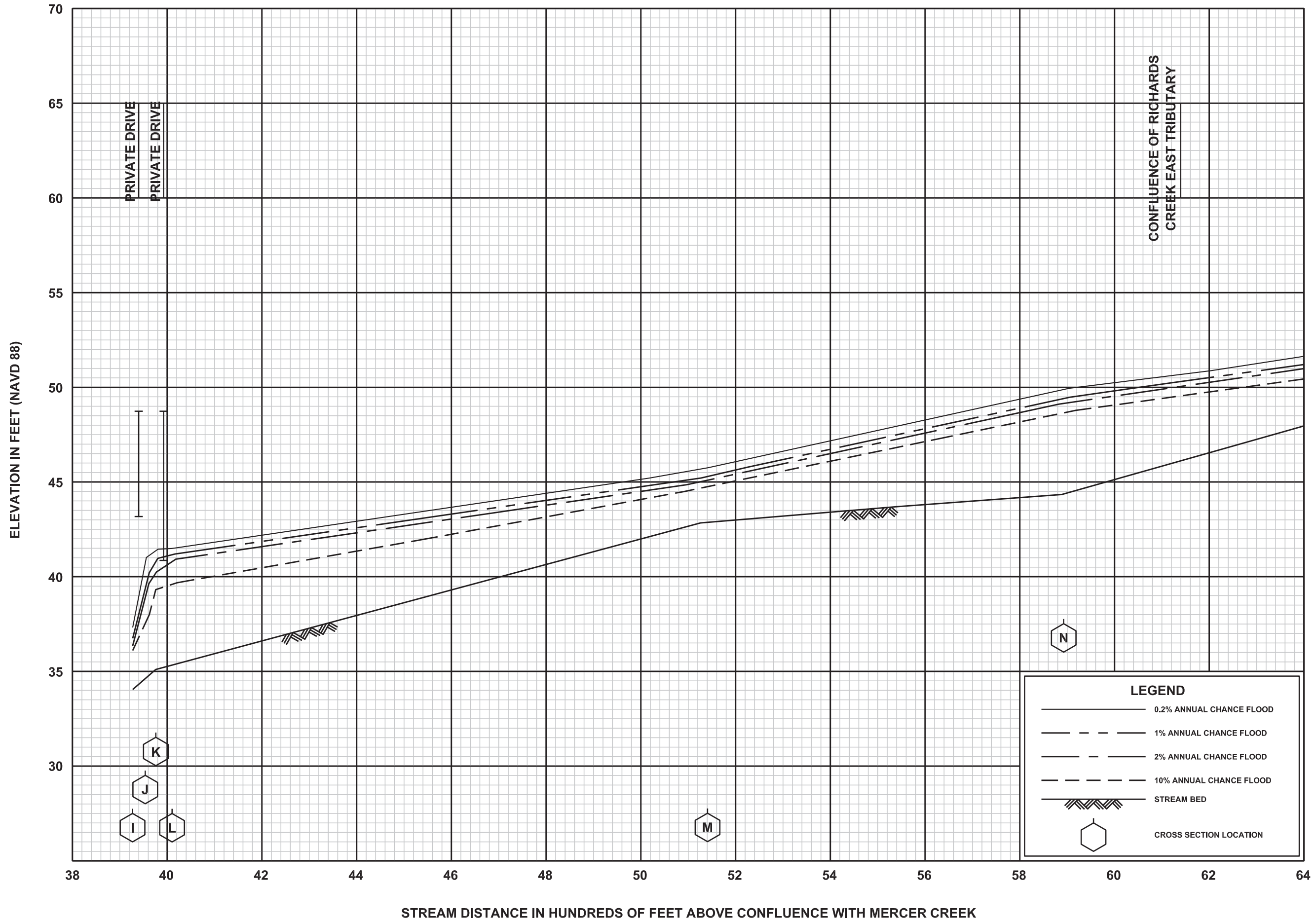
**FLOOD PROFILES
RICHARDS CREEK**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



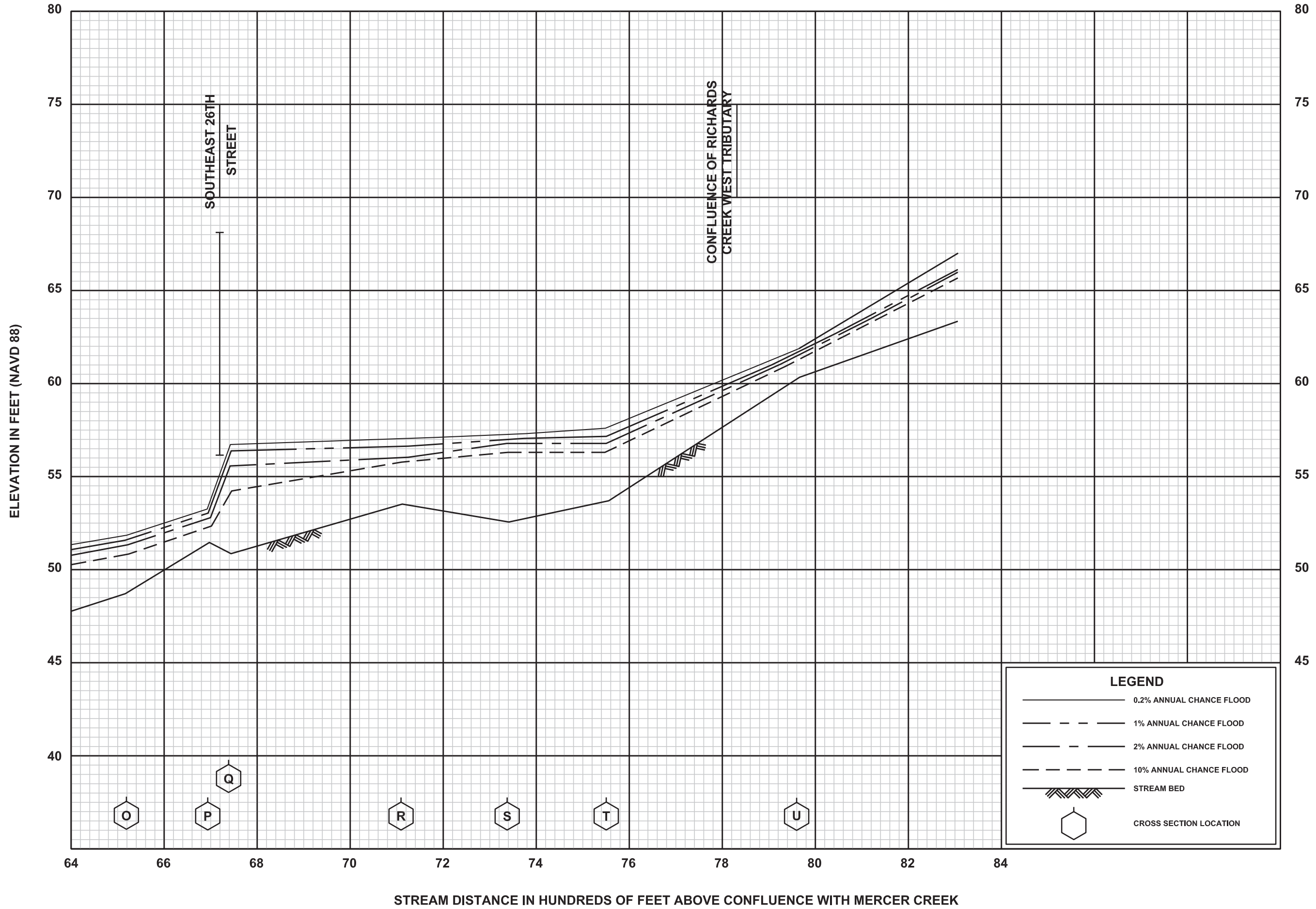
FLOOD PROFILES
RICHARDS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



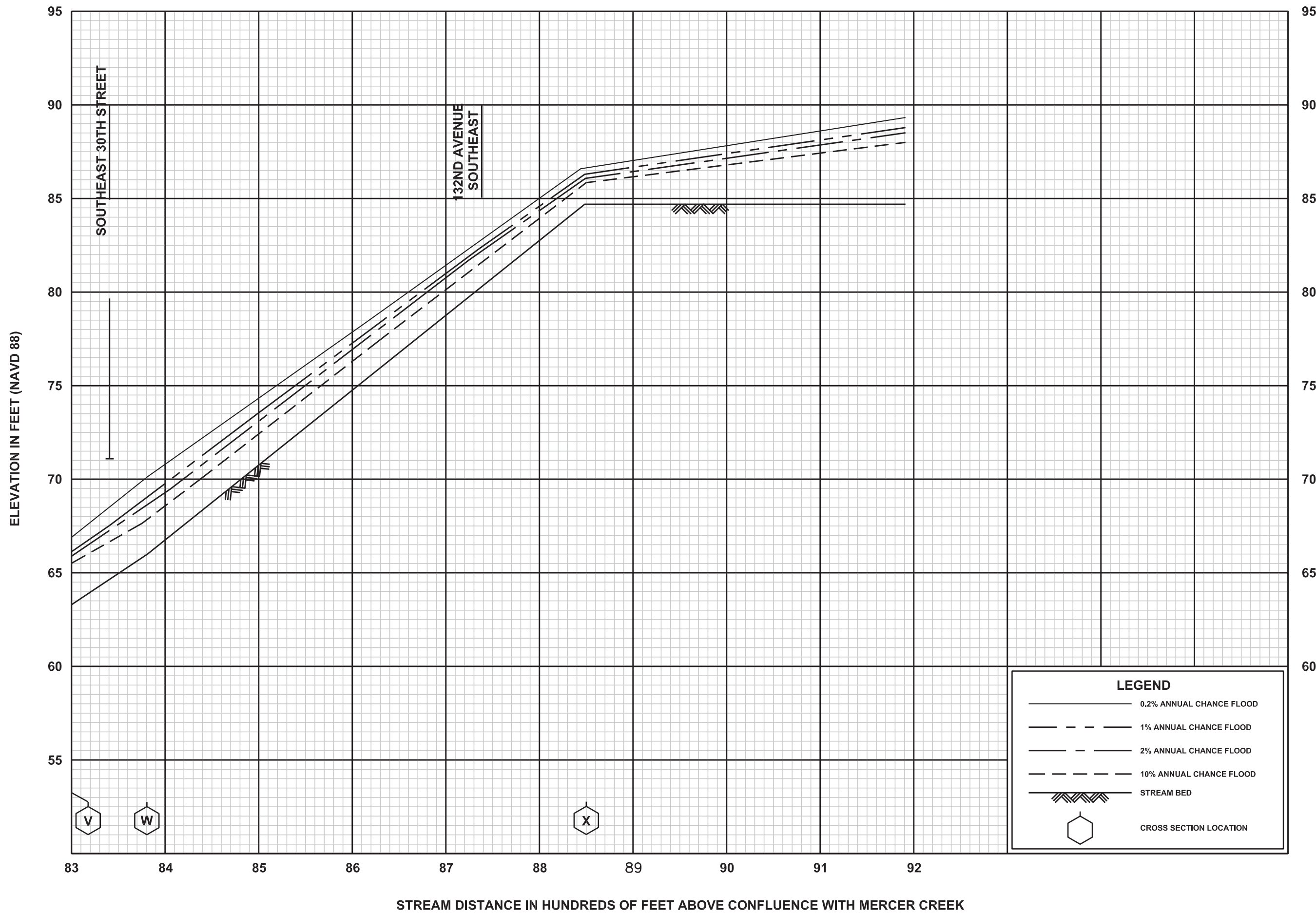
FLOOD PROFILES
RICHARDS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



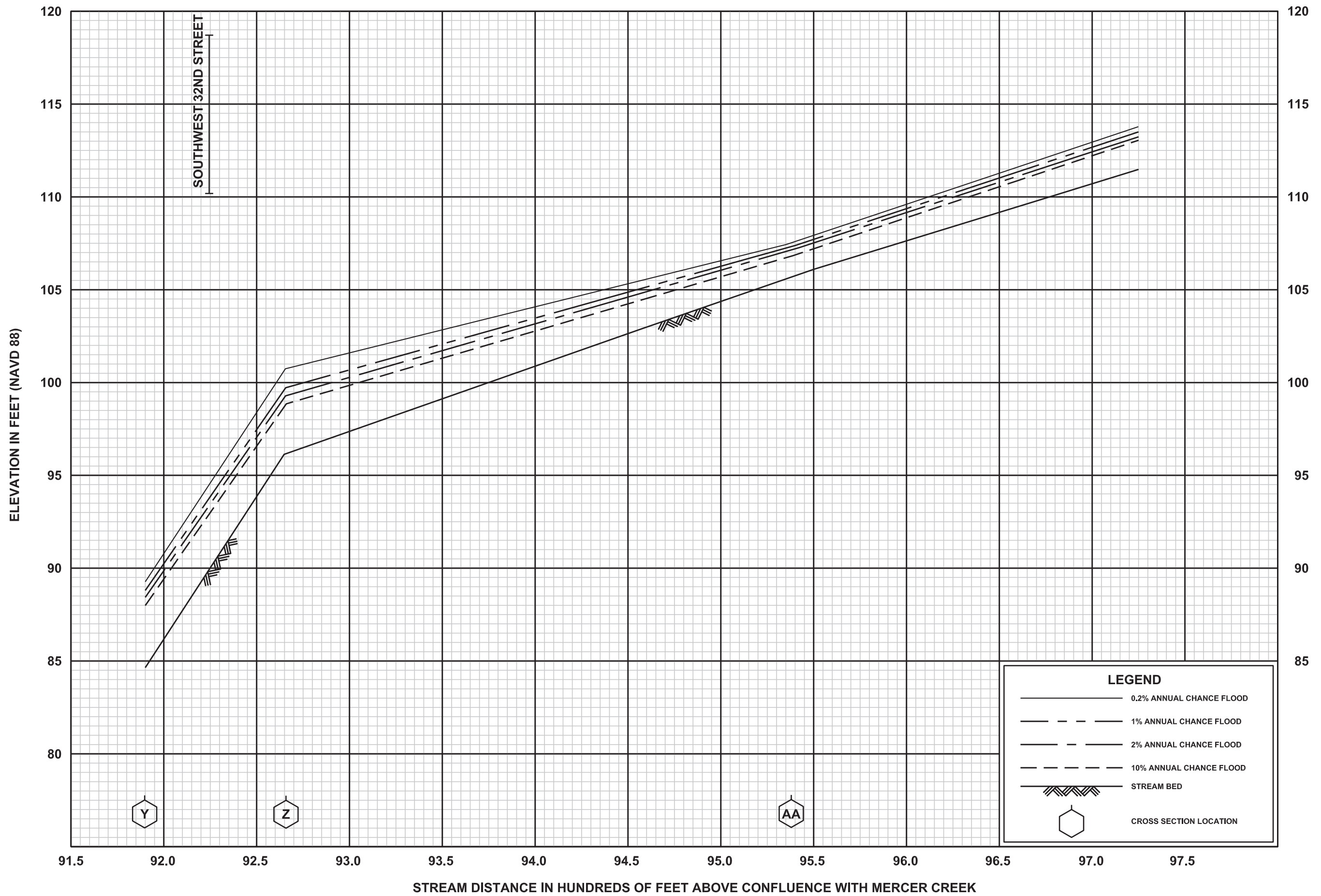
FLOOD PROFILES
RICHARDS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



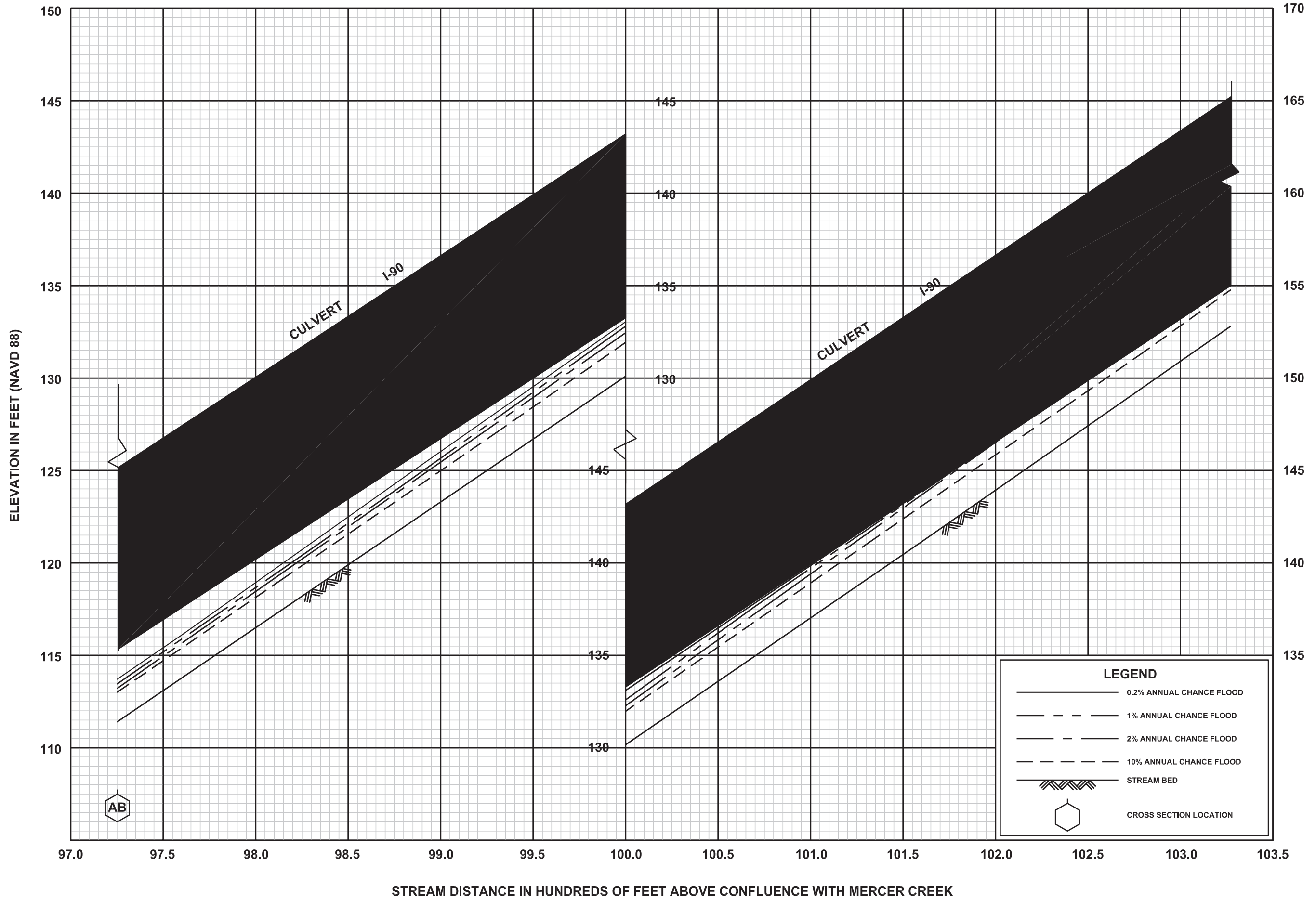
FLOOD PROFILES
RICHARDS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



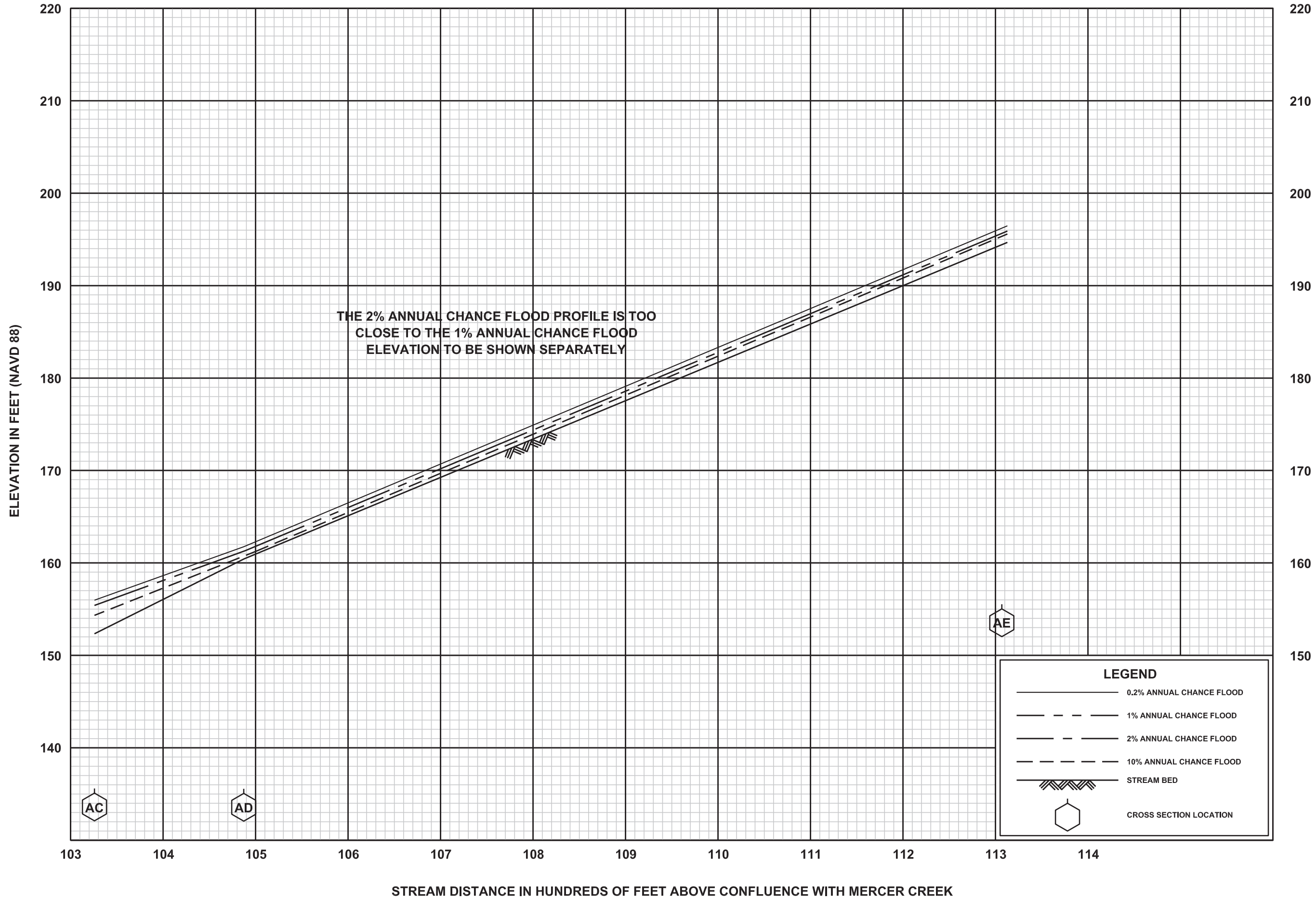
FLOOD PROFILES
RICHARDS CREEK

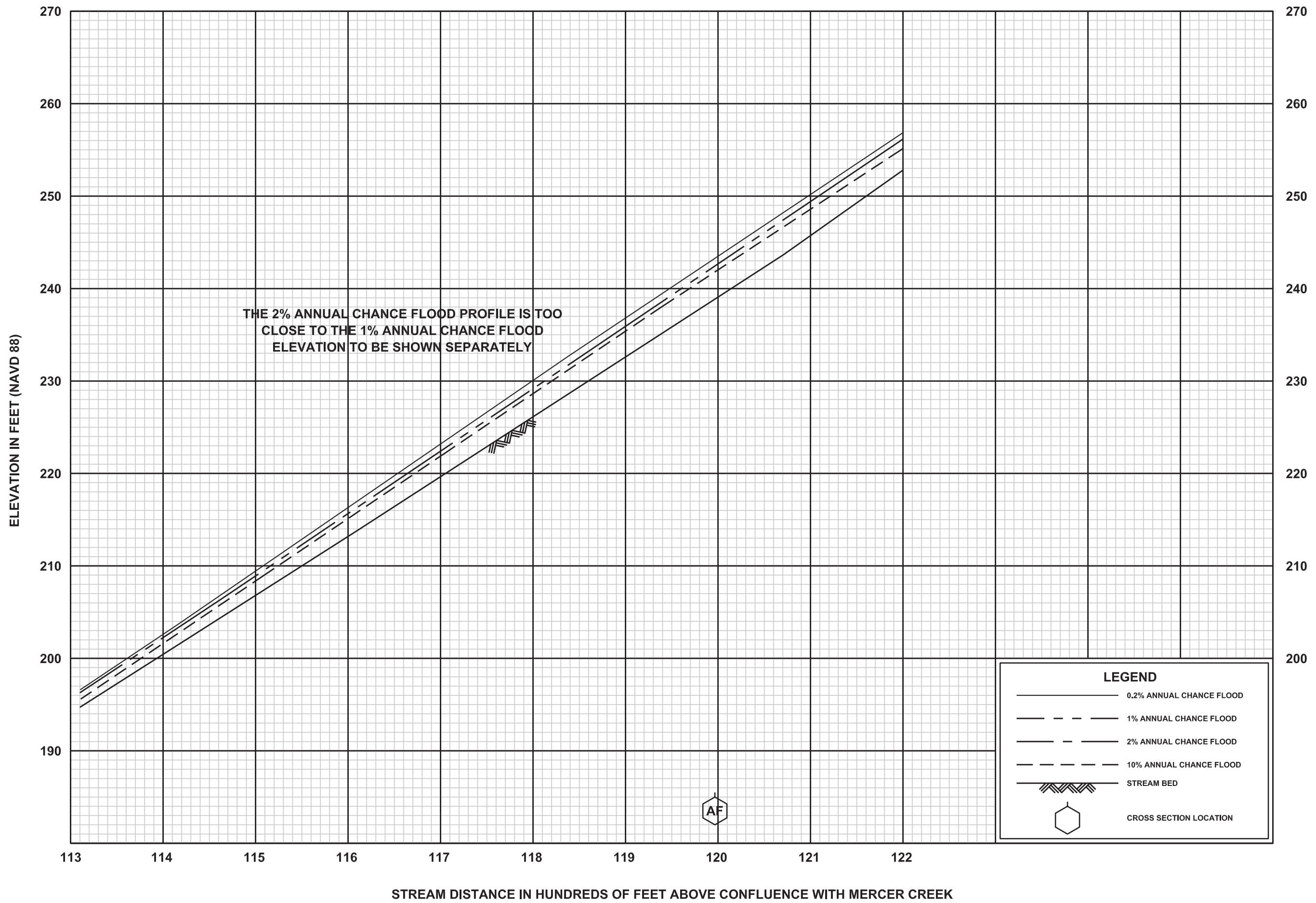
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



**FLOOD PROFILES
RICHARDS CREEK**

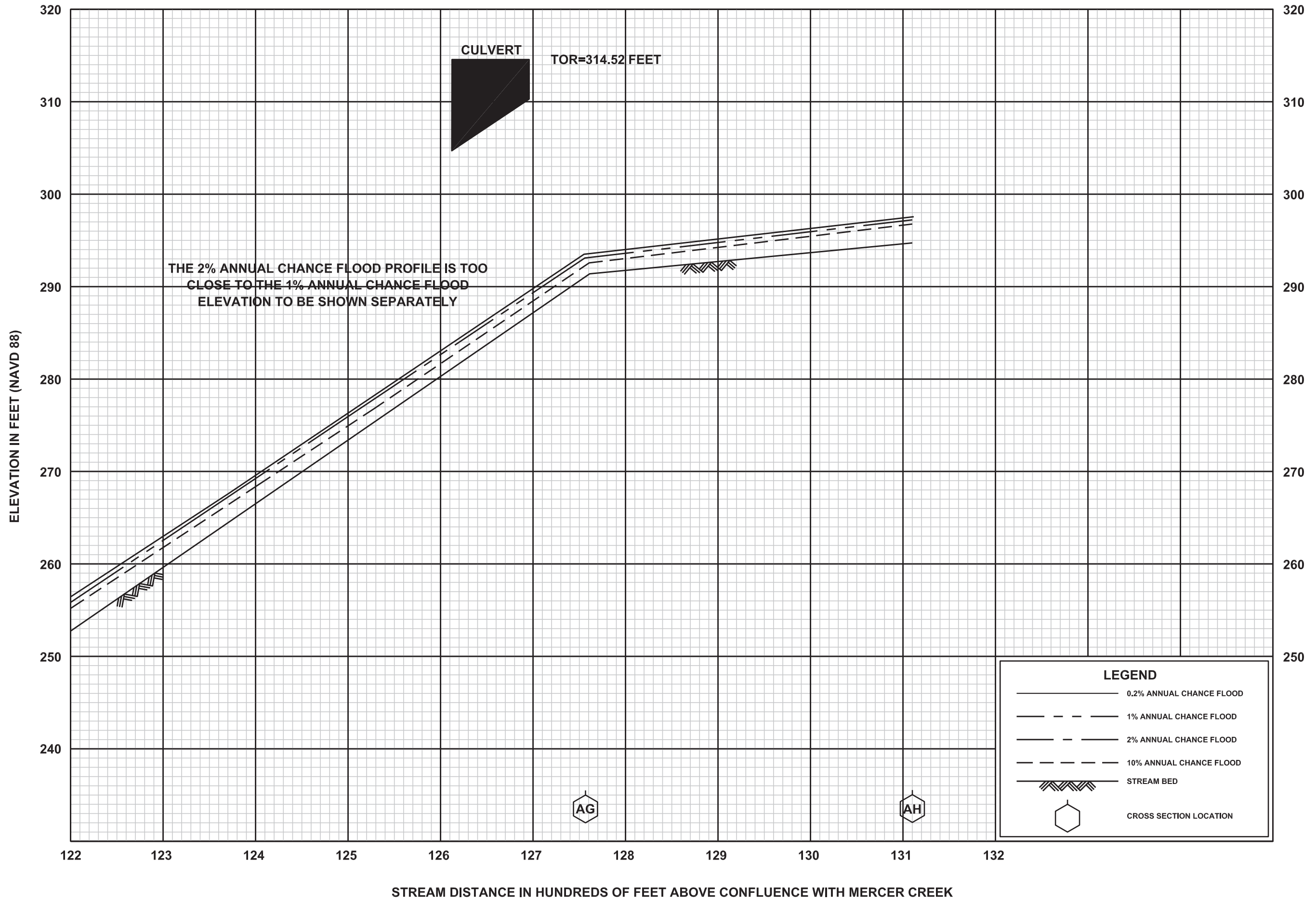
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS





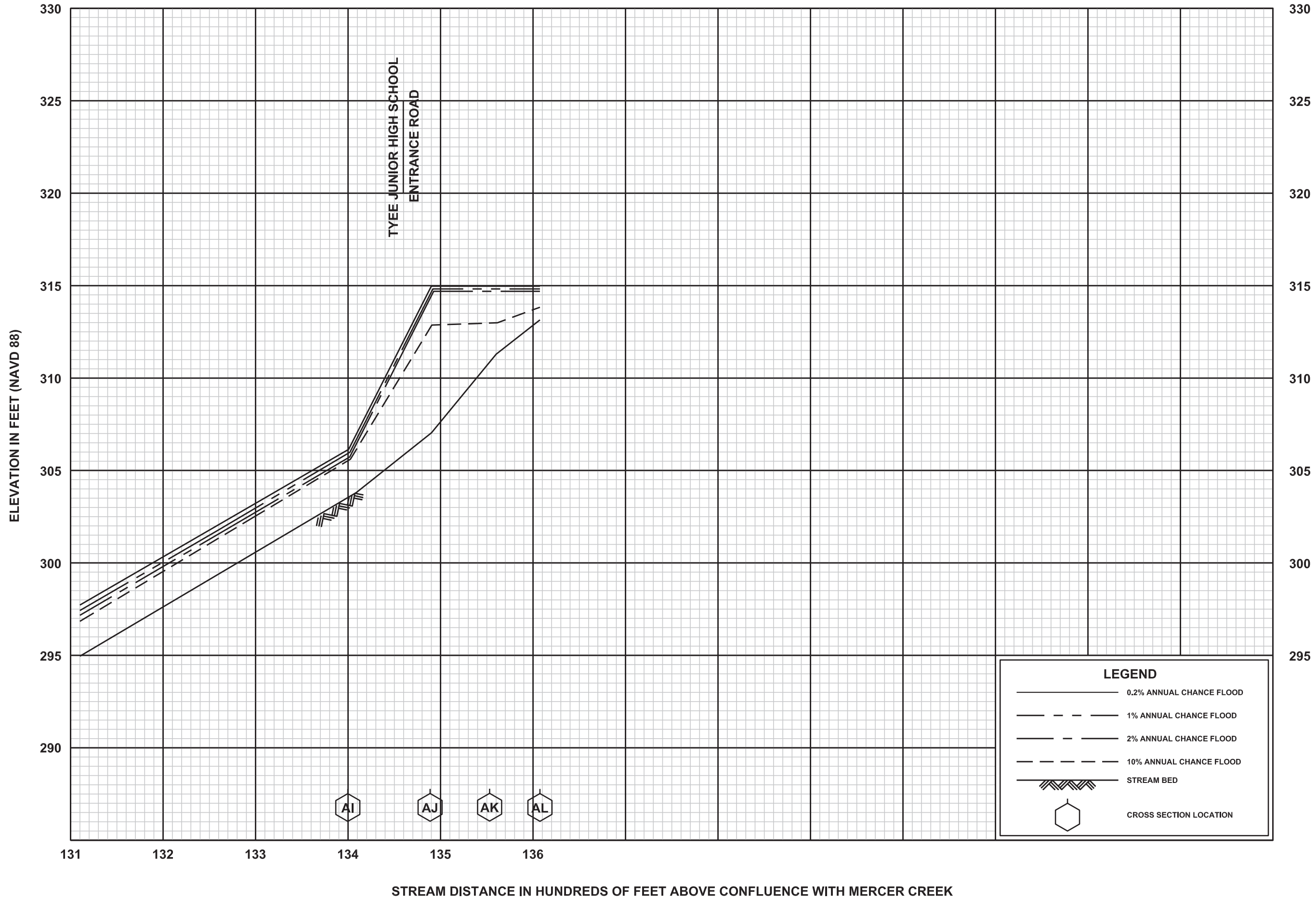
**FLOOD PROFILES
RICHARDS CREEK**

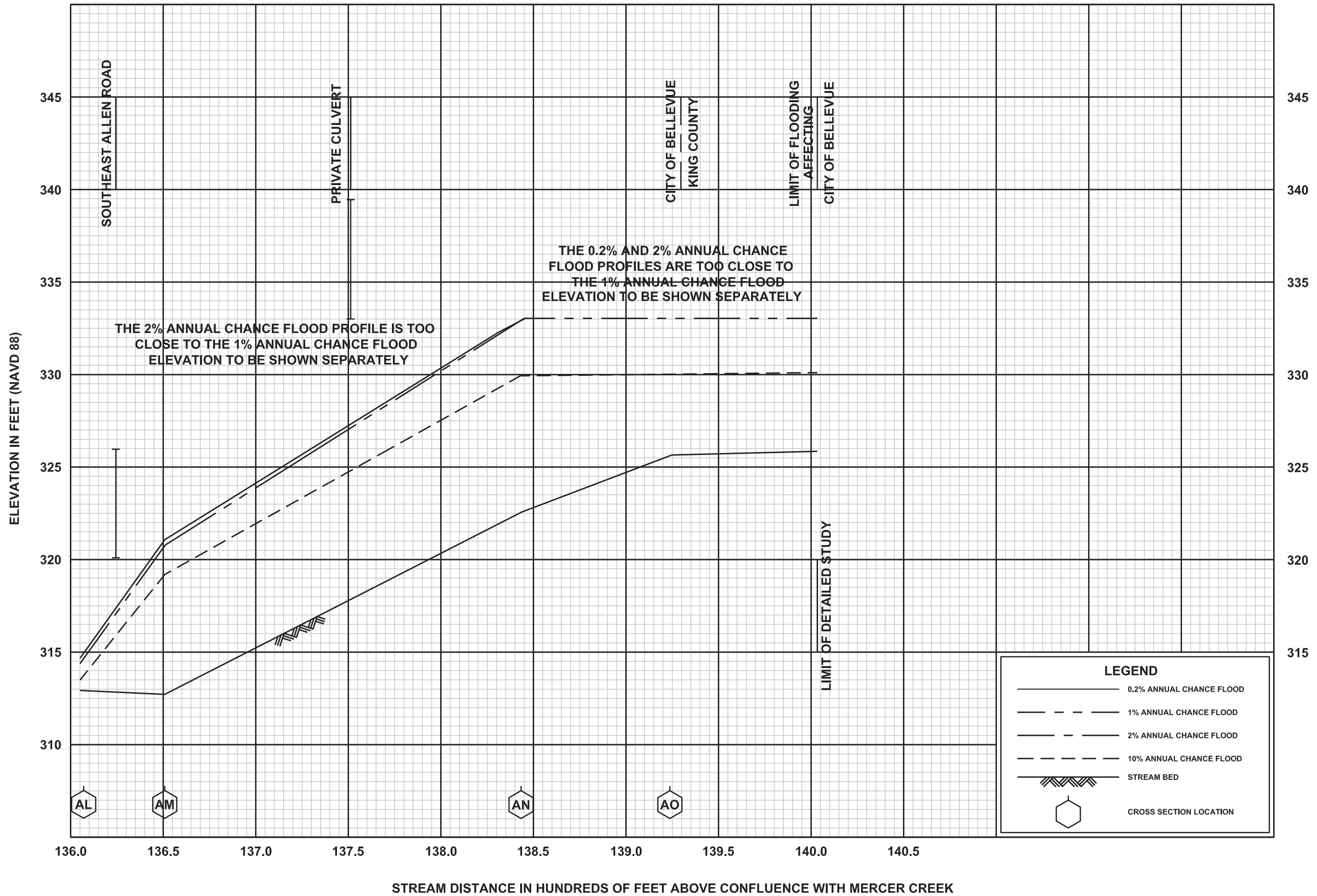
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES
RICHARDS CREEK

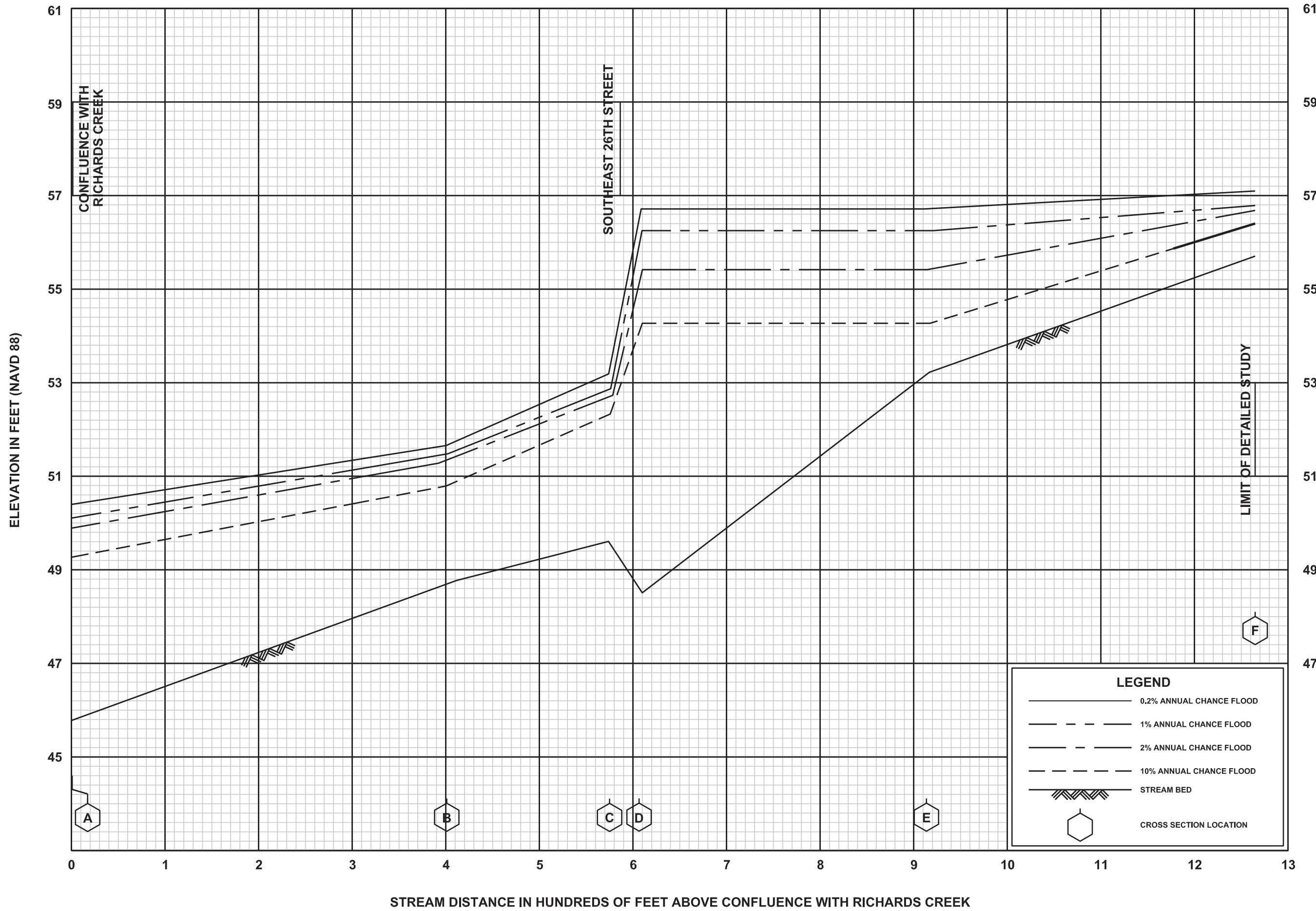
FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS





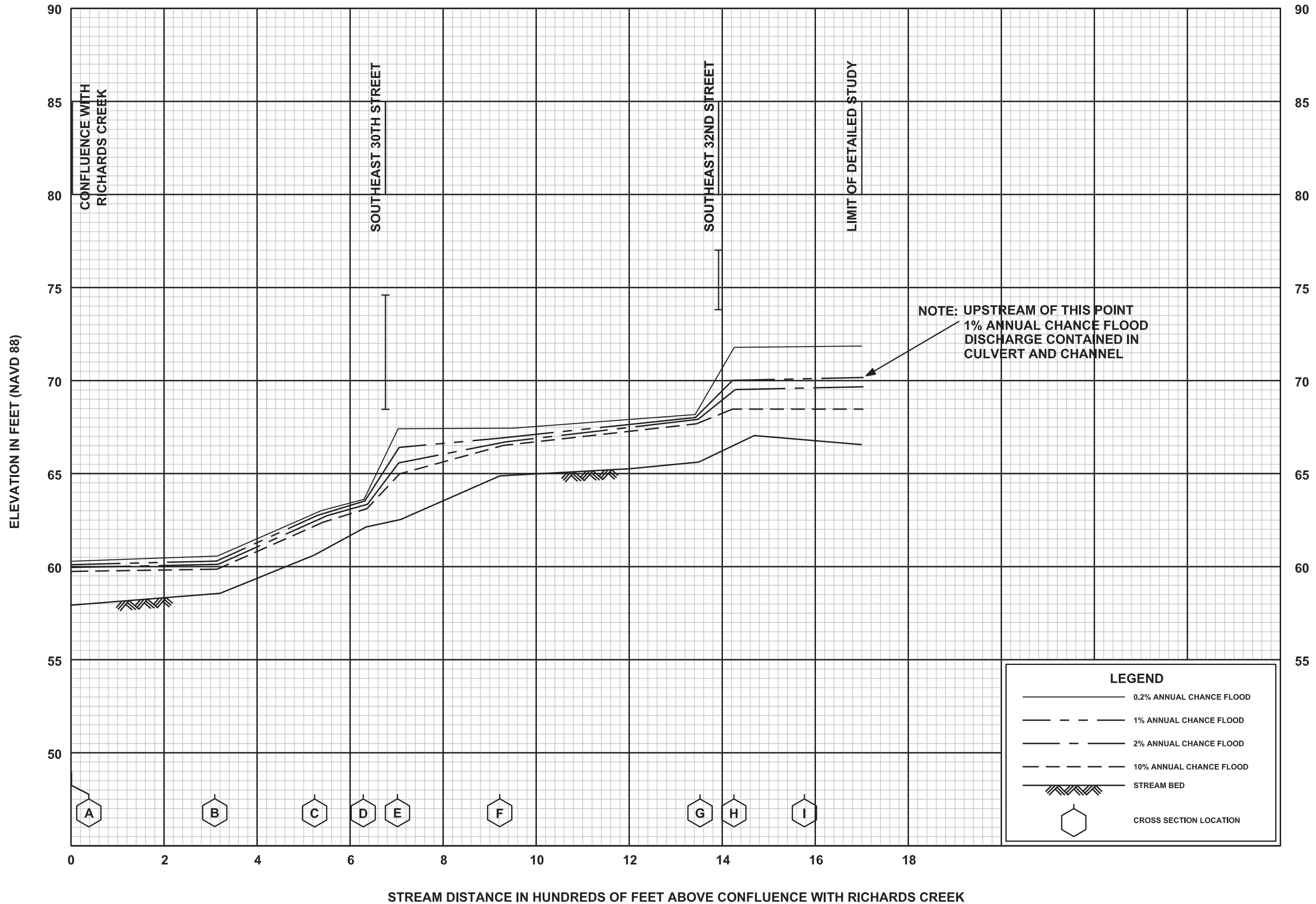
FLOOD PROFILES
RICHARDS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES
RICHARDS CREEK EAST TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
 AND INCORPORATED AREAS



FLOOD PROFILES

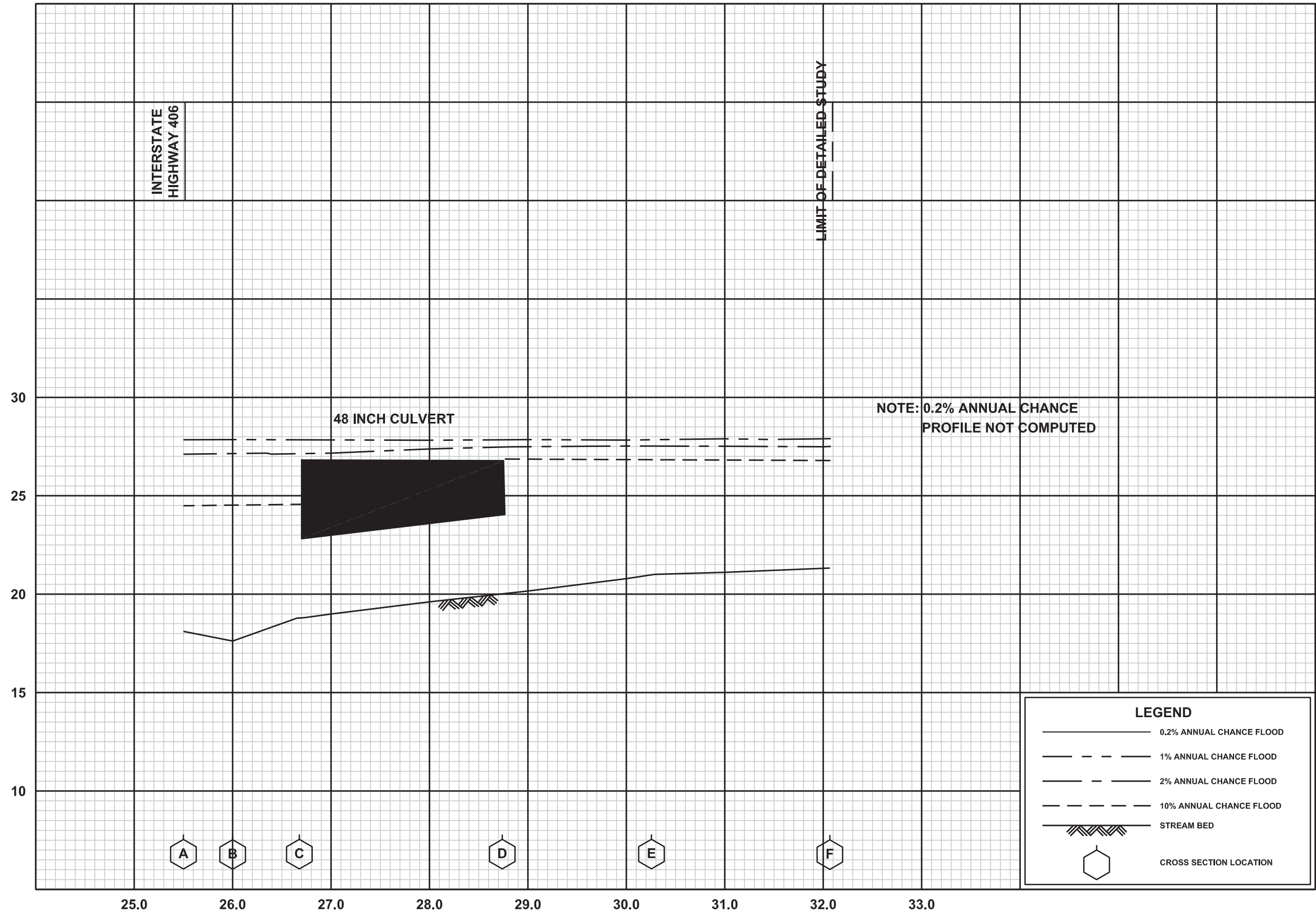
RICHARDS CREEK WEST TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS

ELEVATION IN FEET (NAVD 88)



INTERSTATE
HIGHWAY 406

48 INCH CULVERT

LIMIT OF DETAILED STUDY

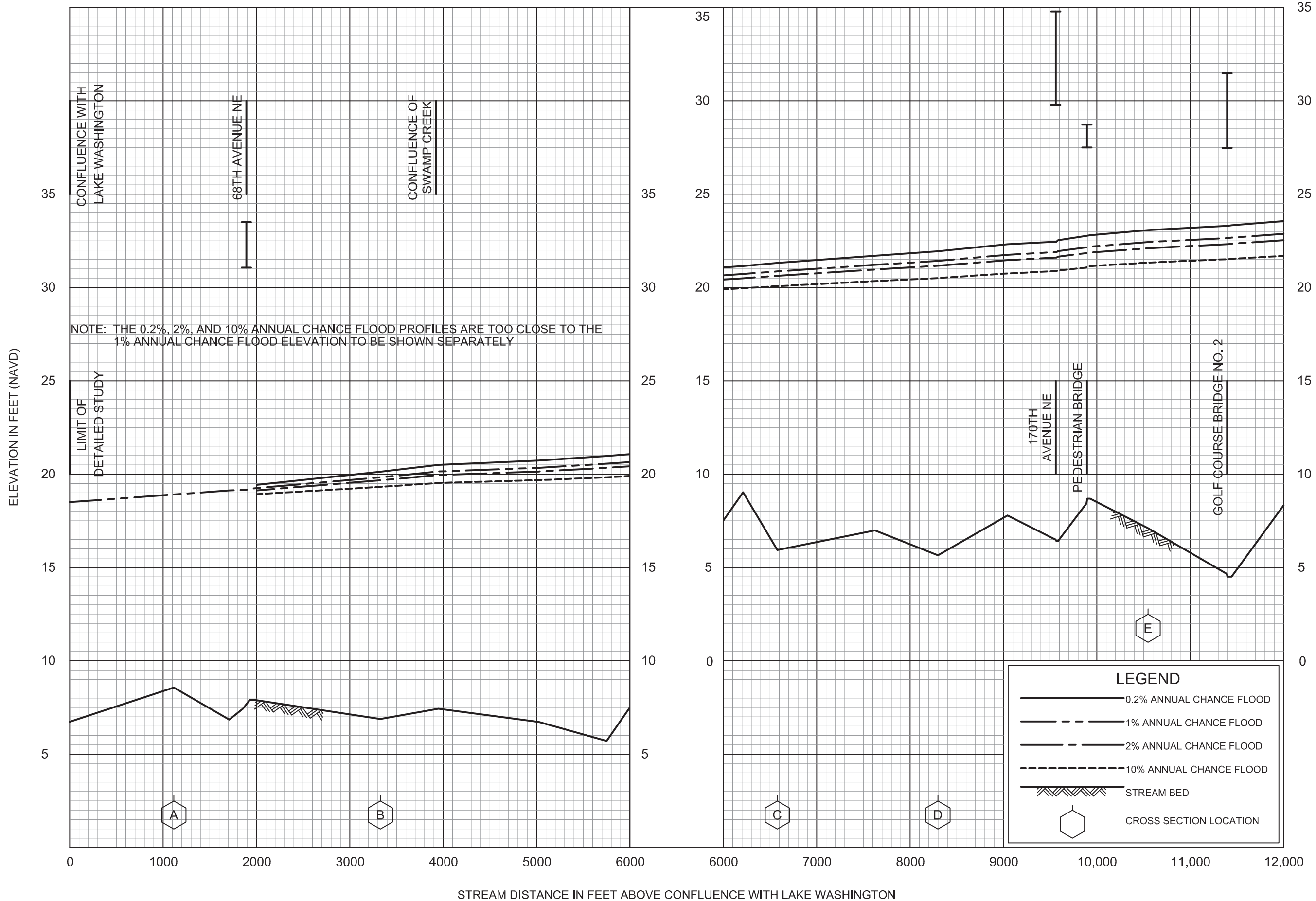
NOTE: 0.2% ANNUAL CHANCE
PROFILE NOT COMPUTED

A B C D E F

STREAM DISTANCE IN THOUSANDS OF FEET ABOVE MOUTH

FLOOD PROFILES
ROLLING HILLS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS

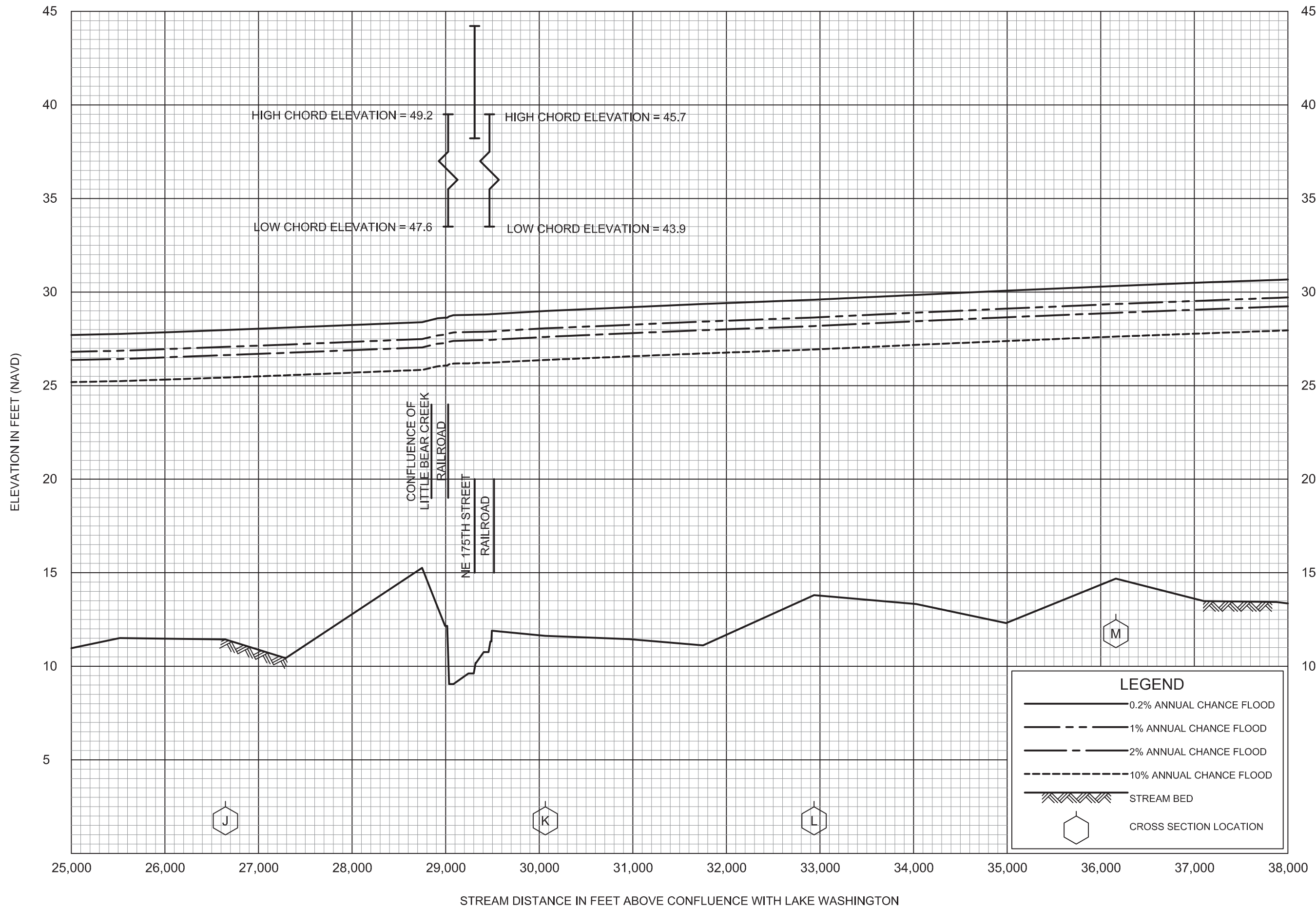


FLOOD PROFILES

SAMMAMISH RIVER

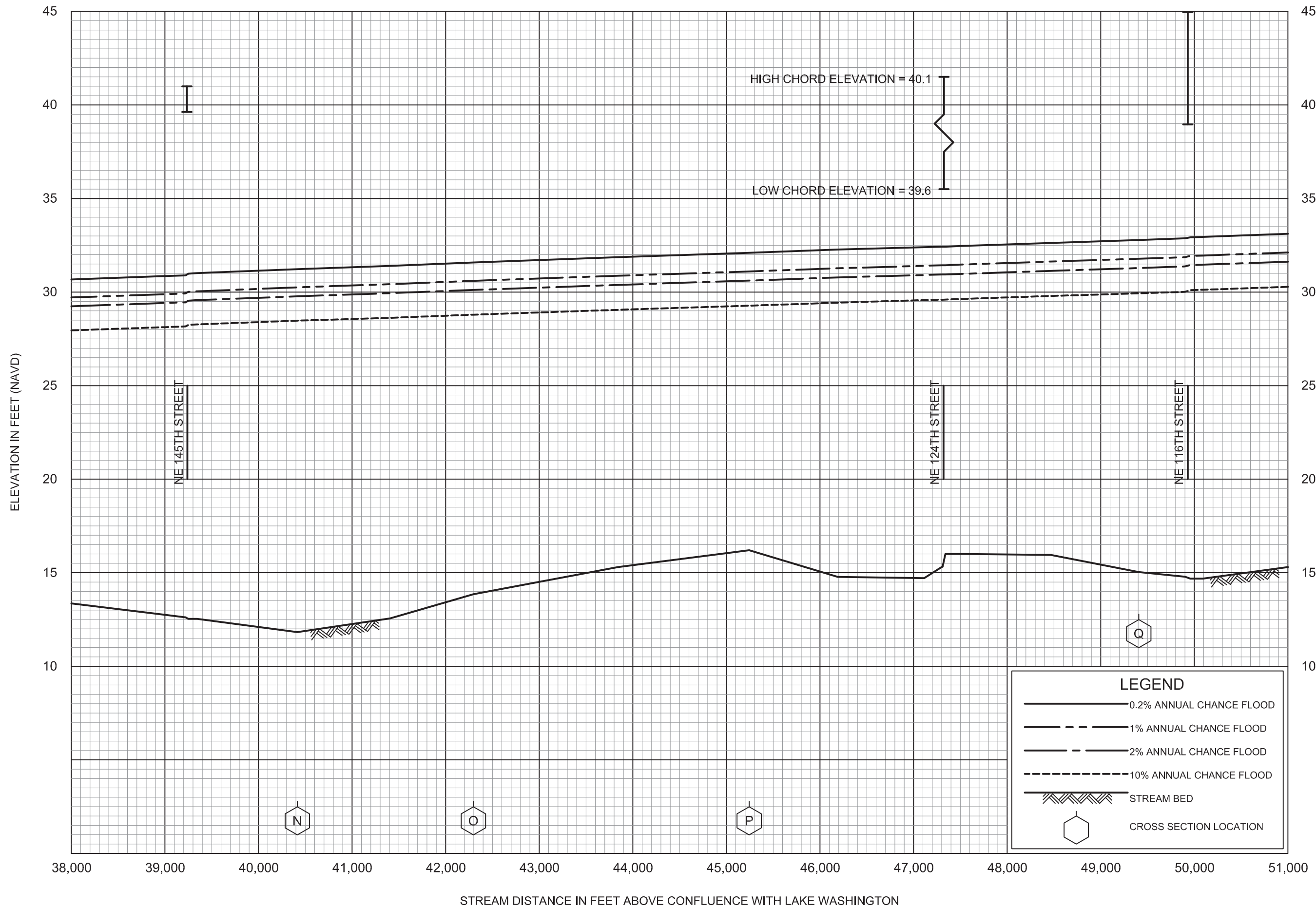
FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS



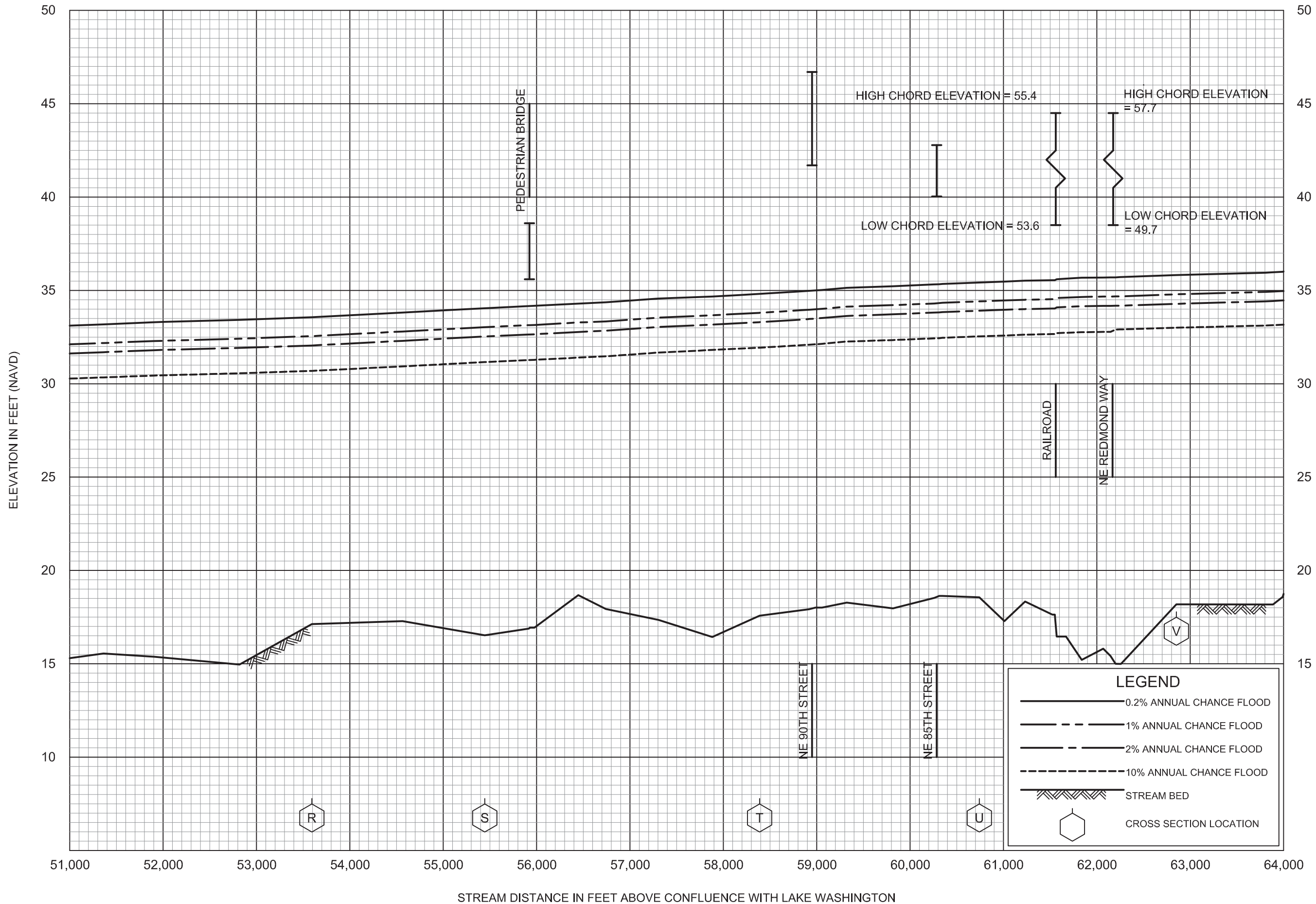
FLOOD PROFILES
 SAMMAMISH RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
 KING COUNTY, WA
 AND INCORPORATED AREAS



FLOOD PROFILES
SAMMAMISH RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS

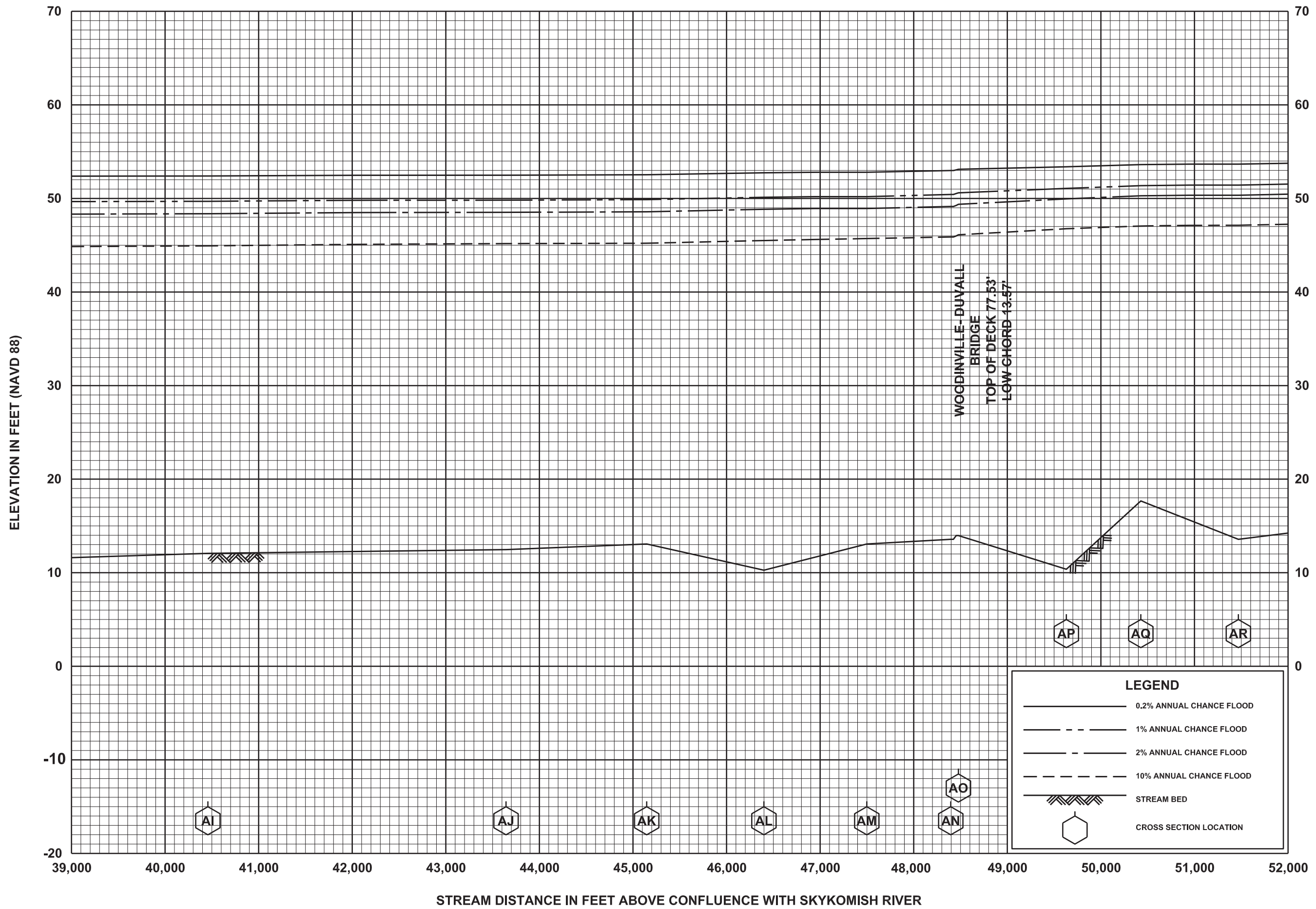


FLOOD PROFILES

SAMMAMISH RIVER

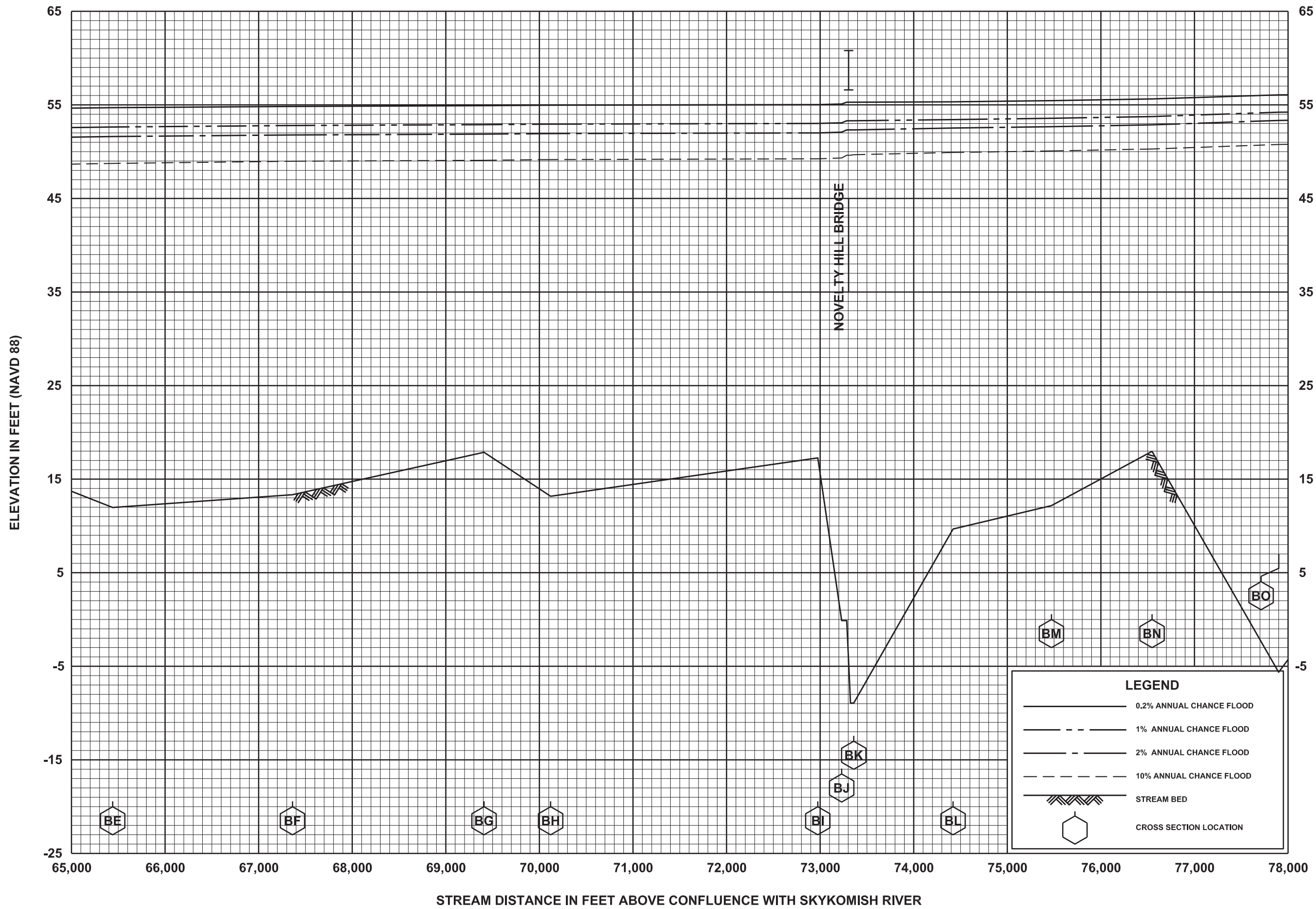
FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS



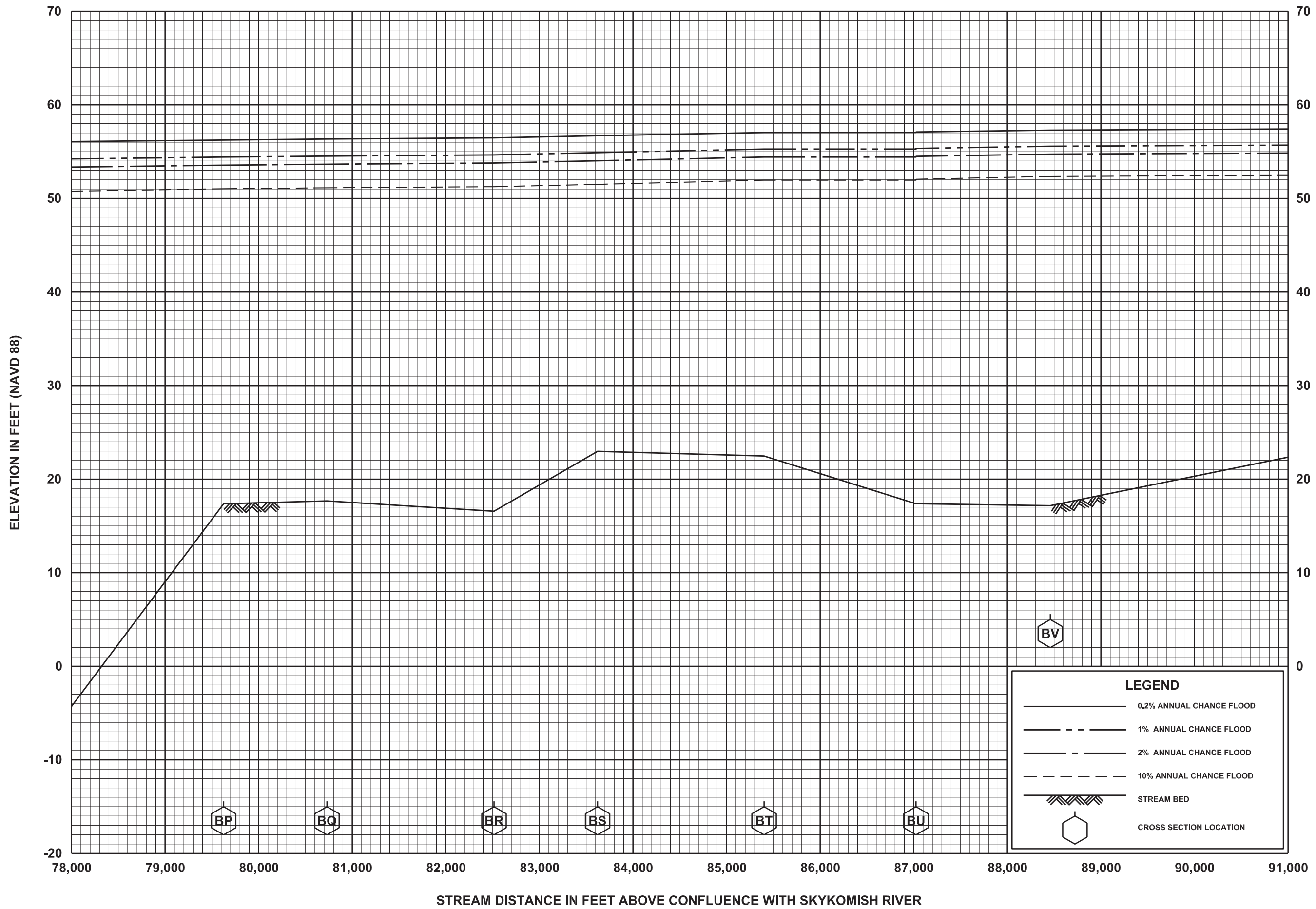
FLOOD PROFILES
SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
 AND INCORPORATED AREAS



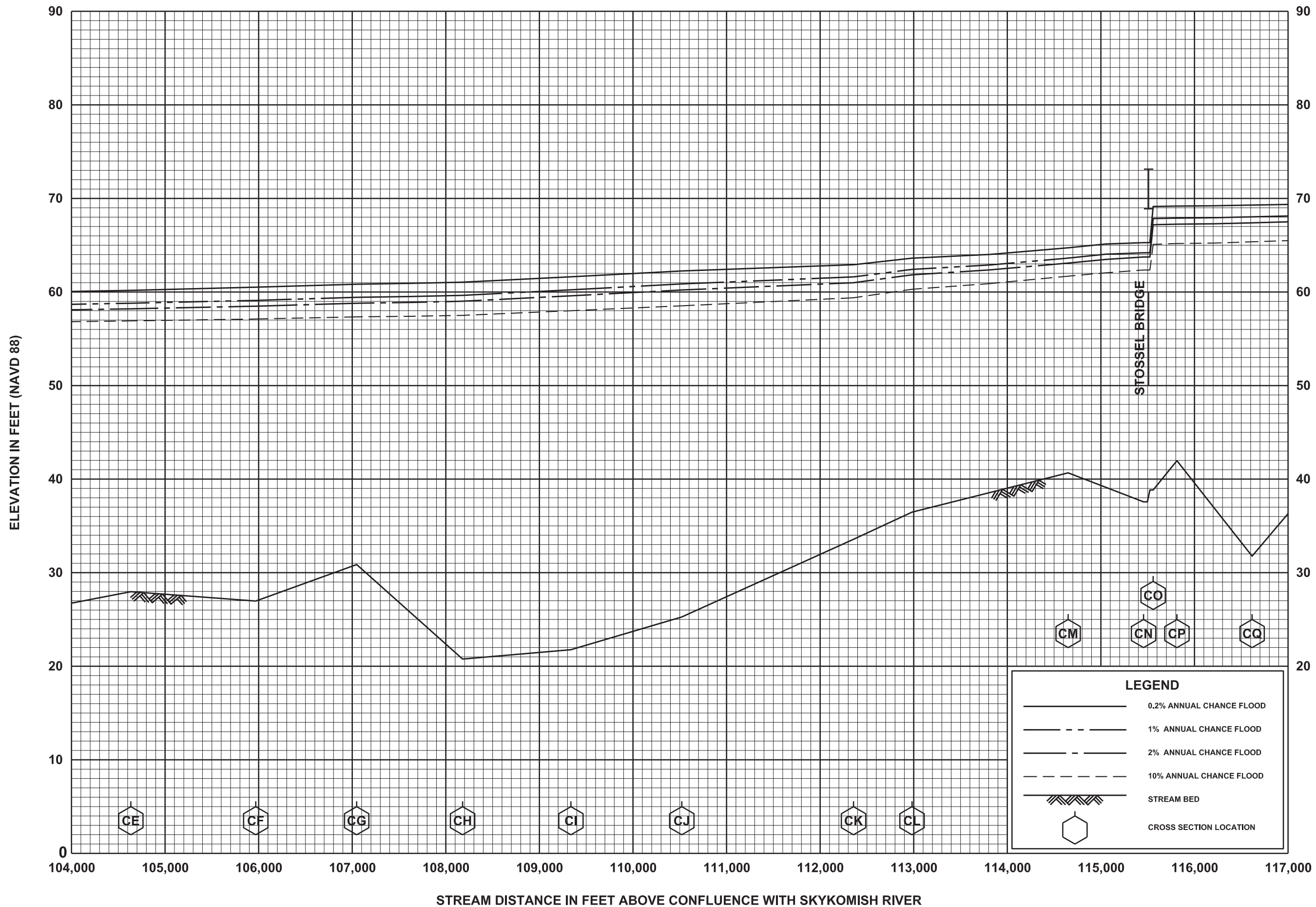
**FLOOD PROFILES
SNOQUALMIE RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



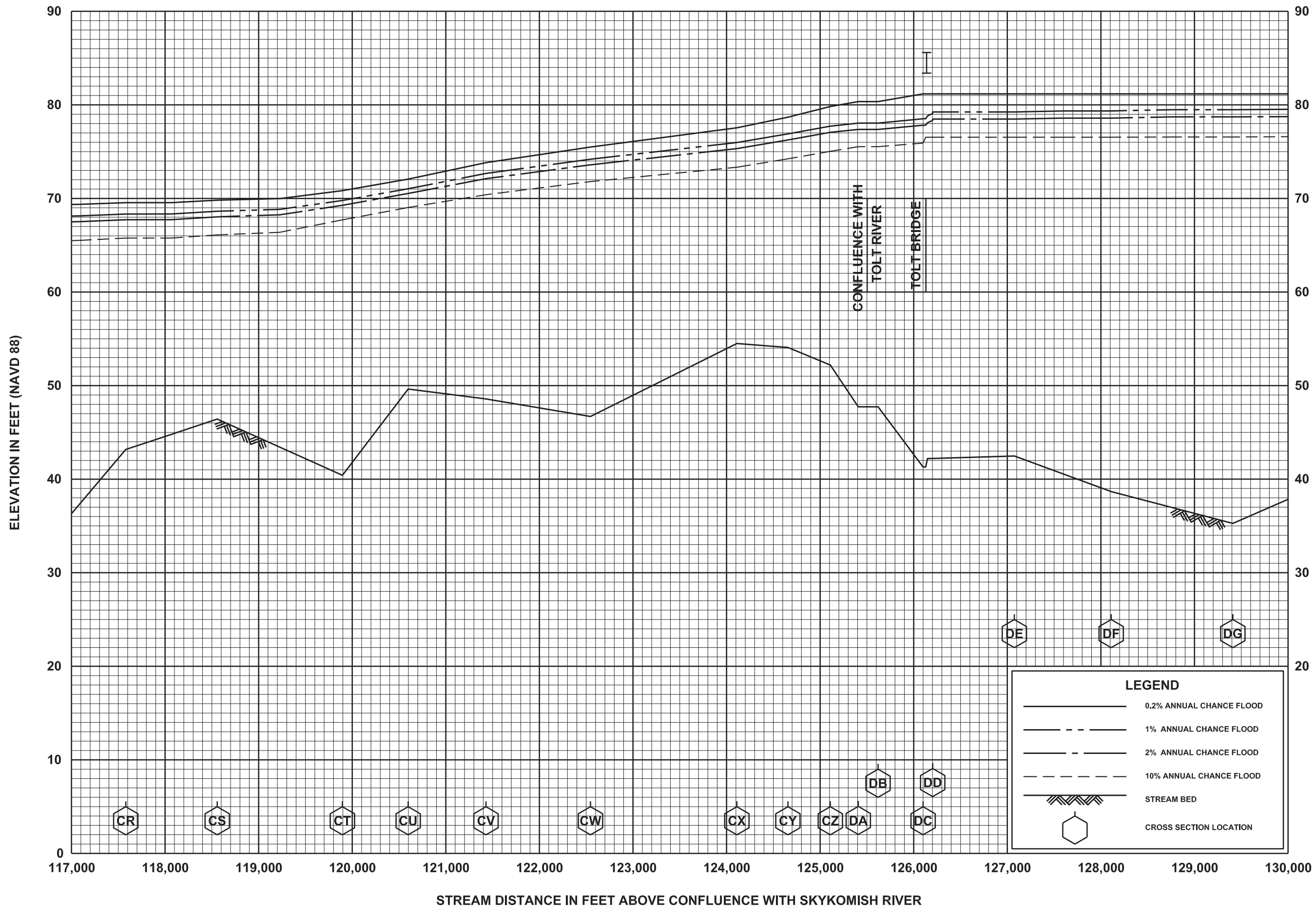
FLOOD PROFILES
SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



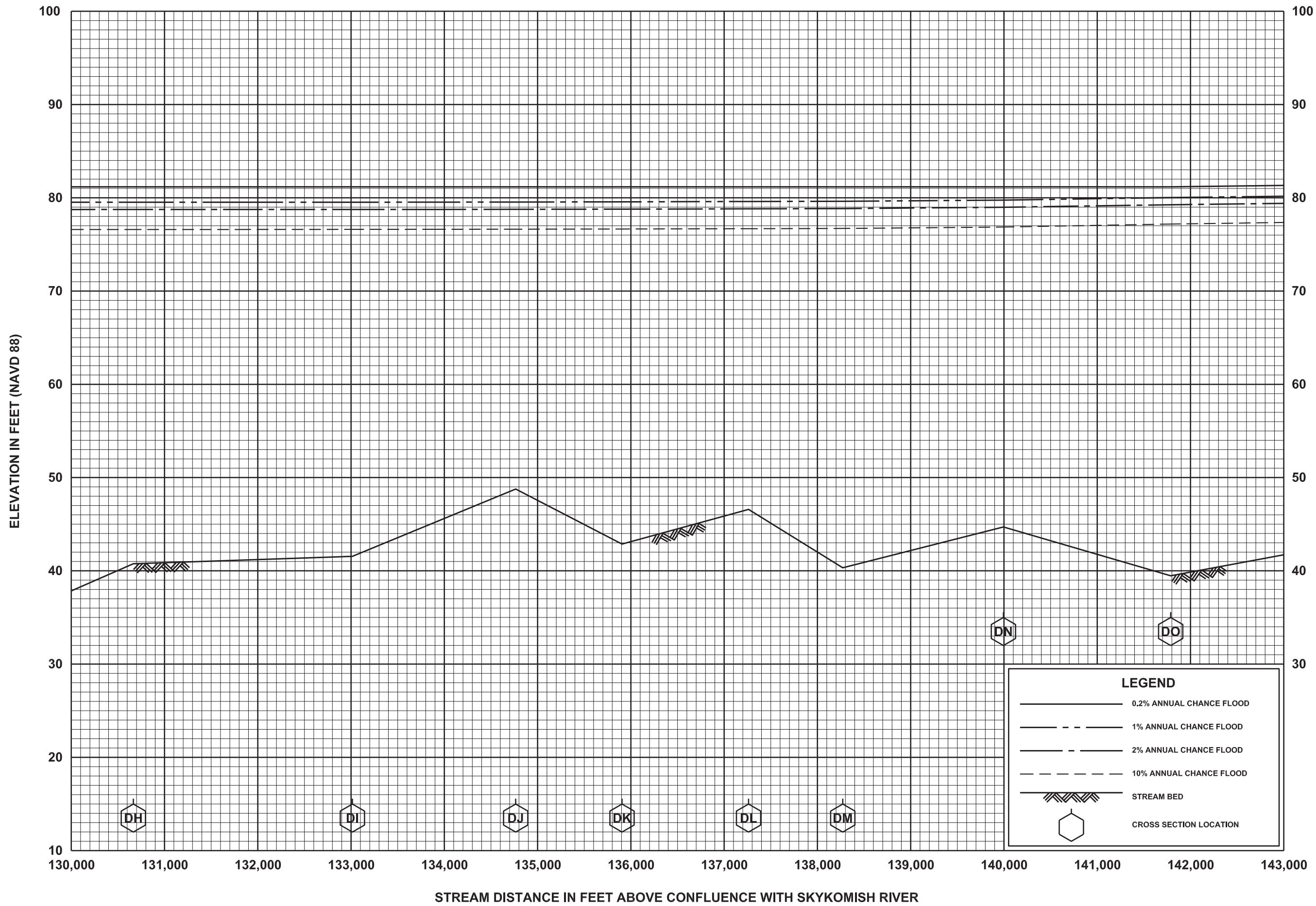
FLOOD PROFILES
SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



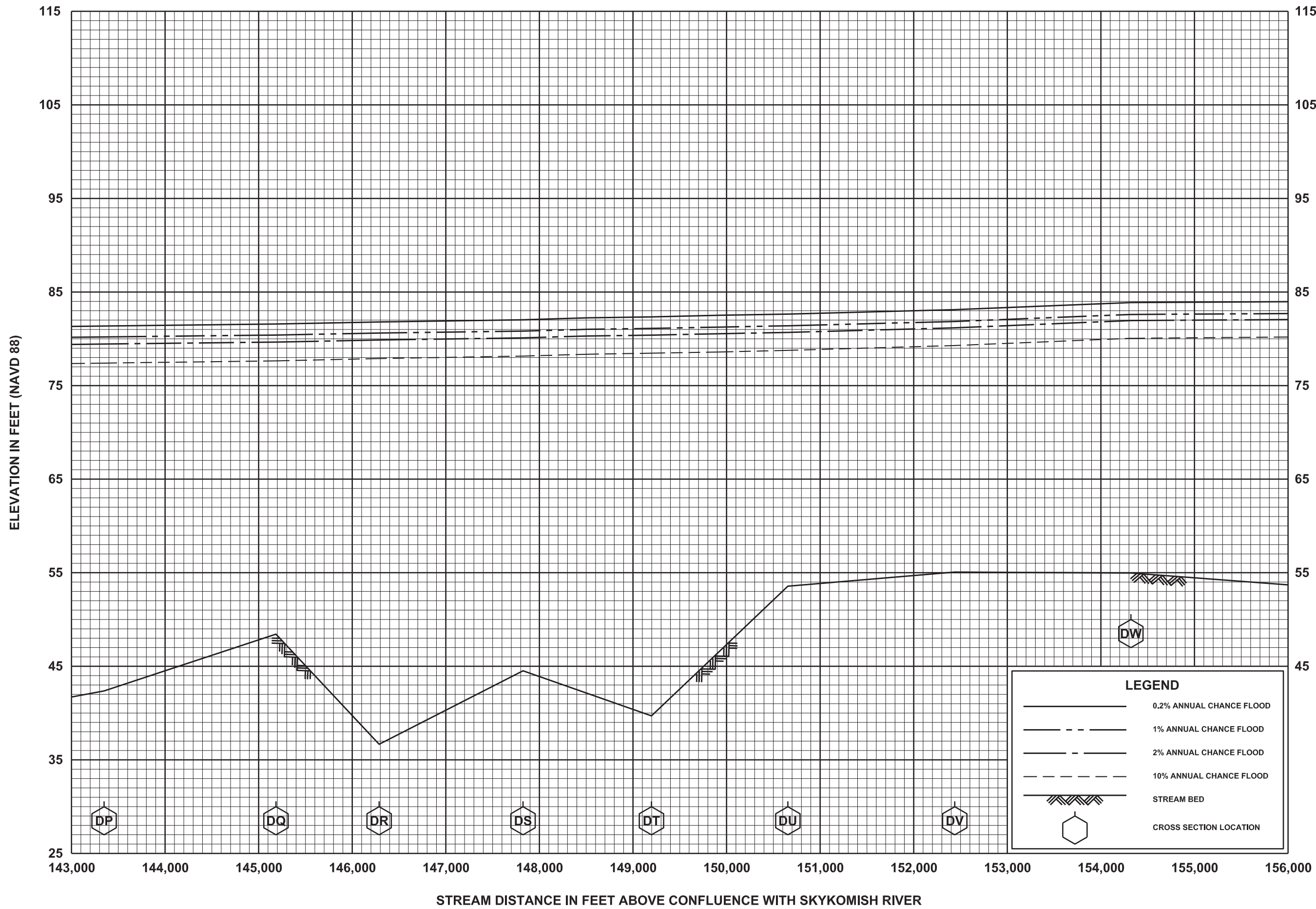
**FLOOD PROFILES
SNOQUALMIE RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



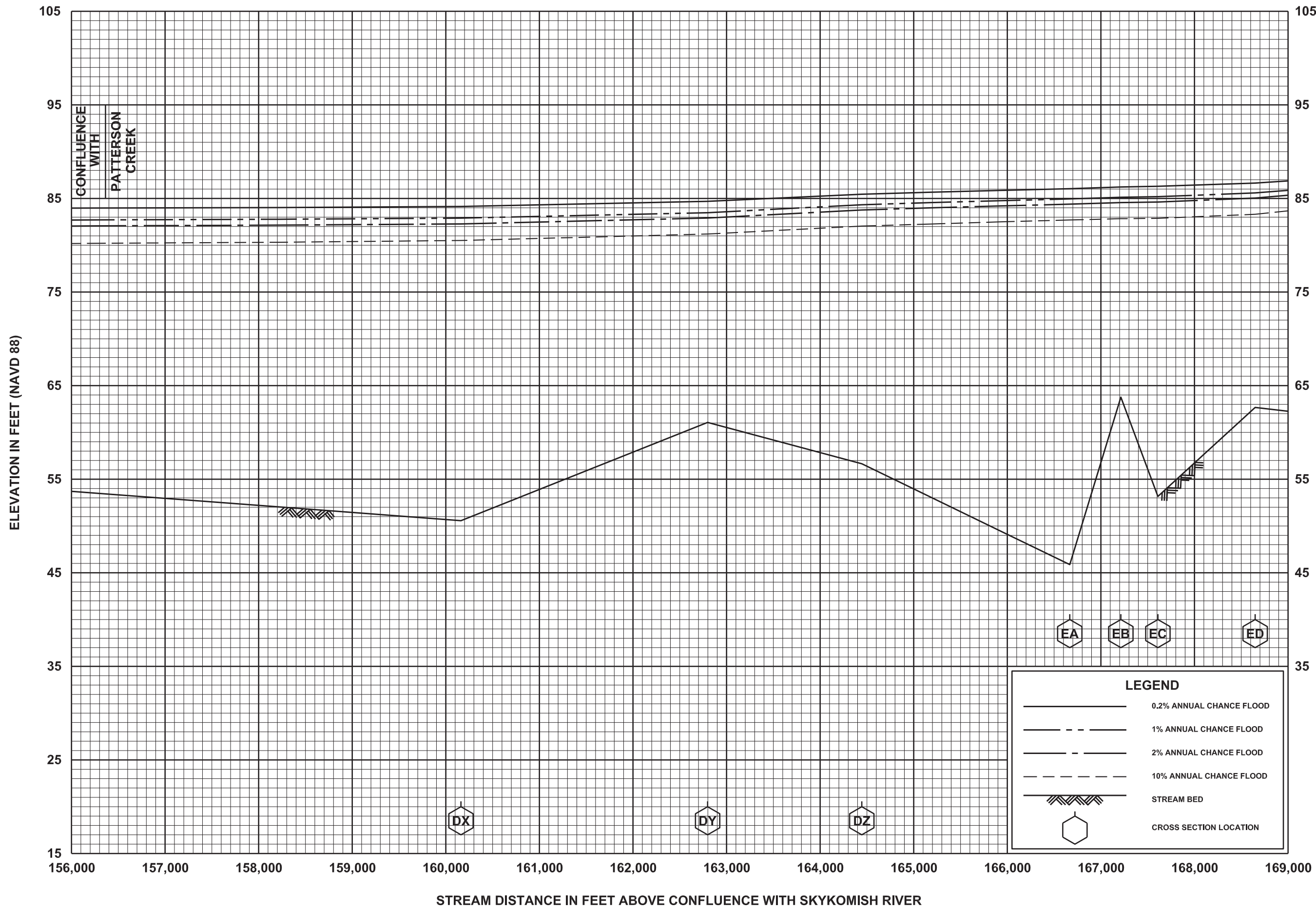
FLOOD PROFILES
SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



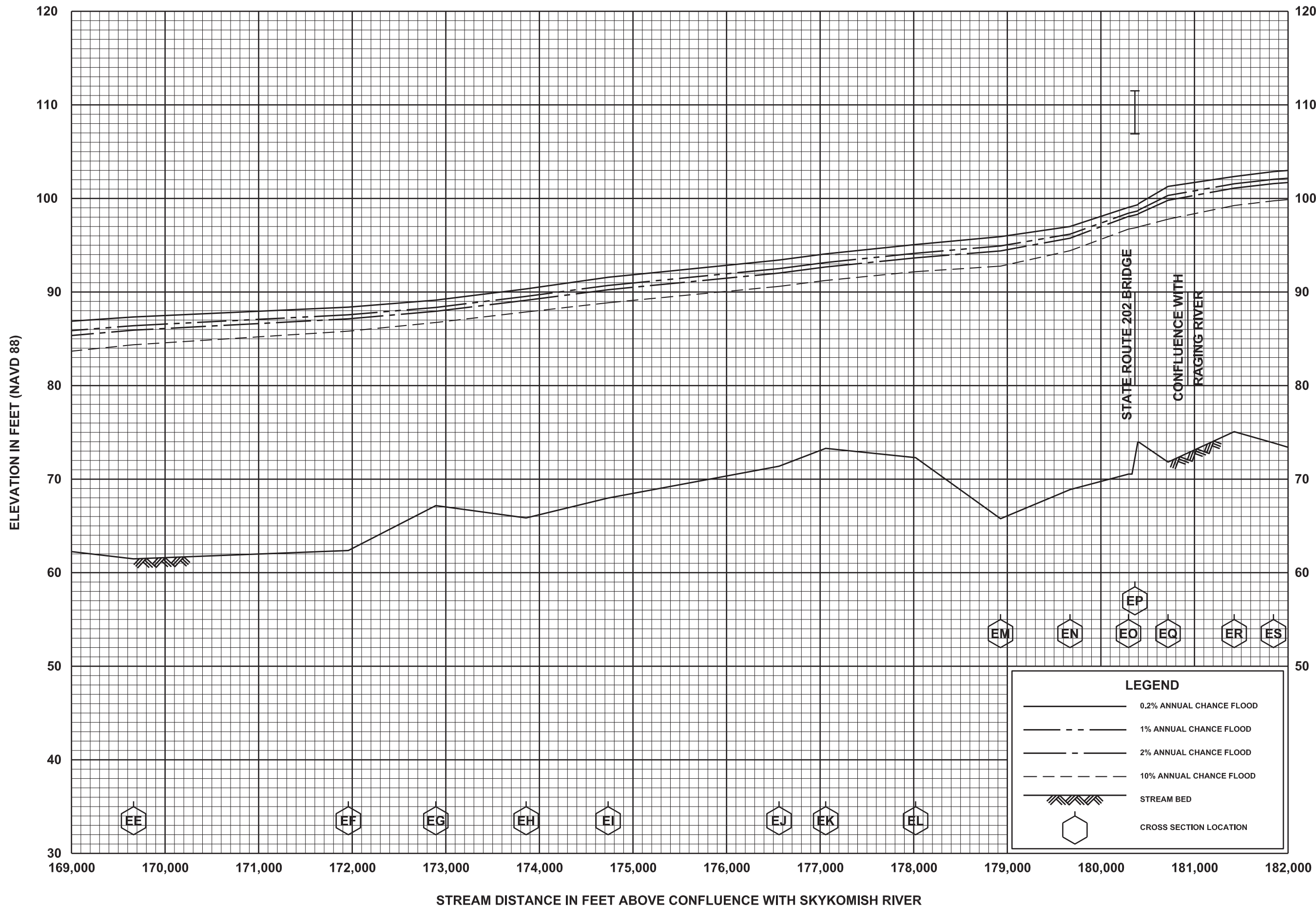
**FLOOD PROFILES
SNOQUALMIE RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



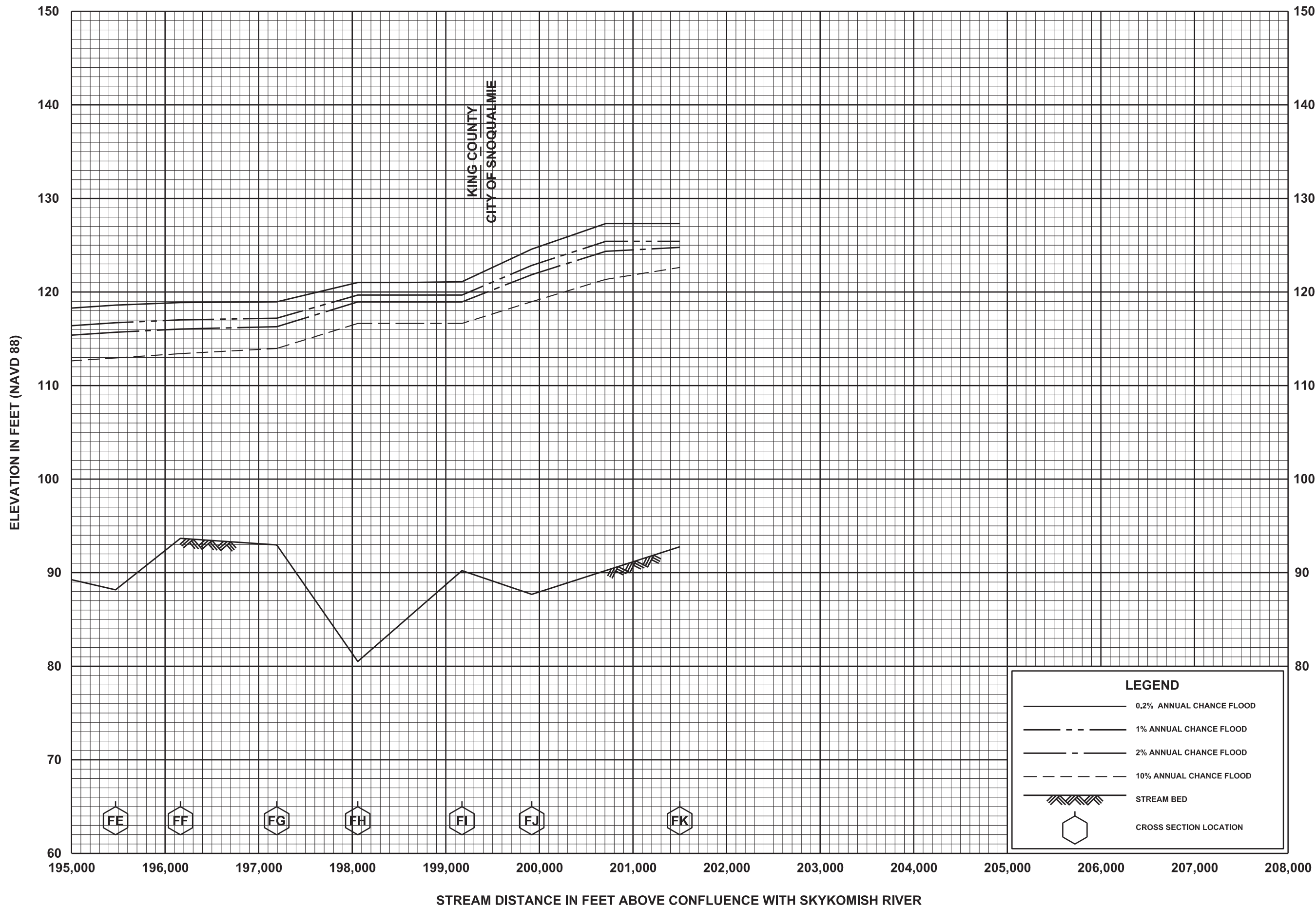
FLOOD PROFILES
SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



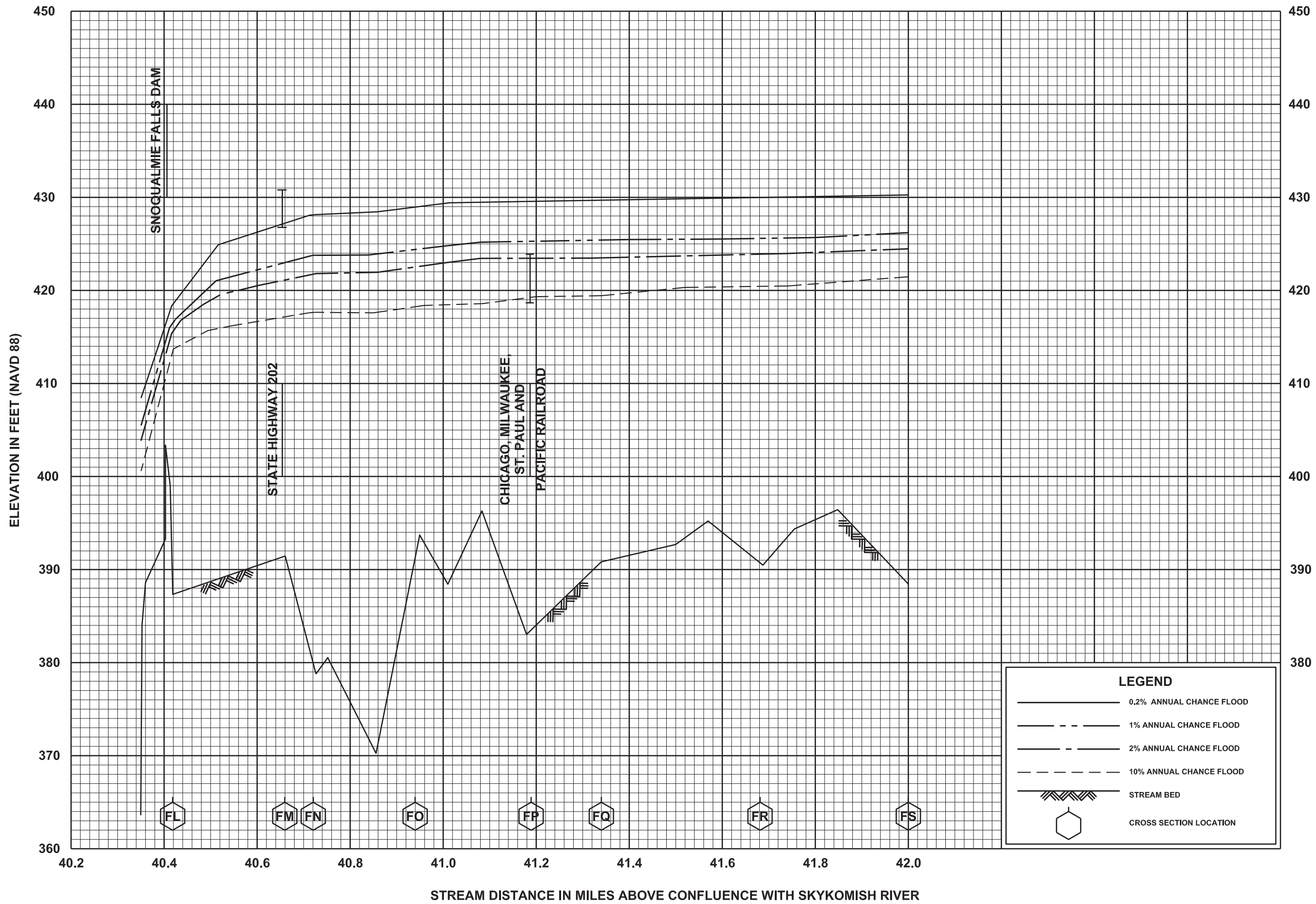
**FLOOD PROFILES
SNOQUALMIE RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



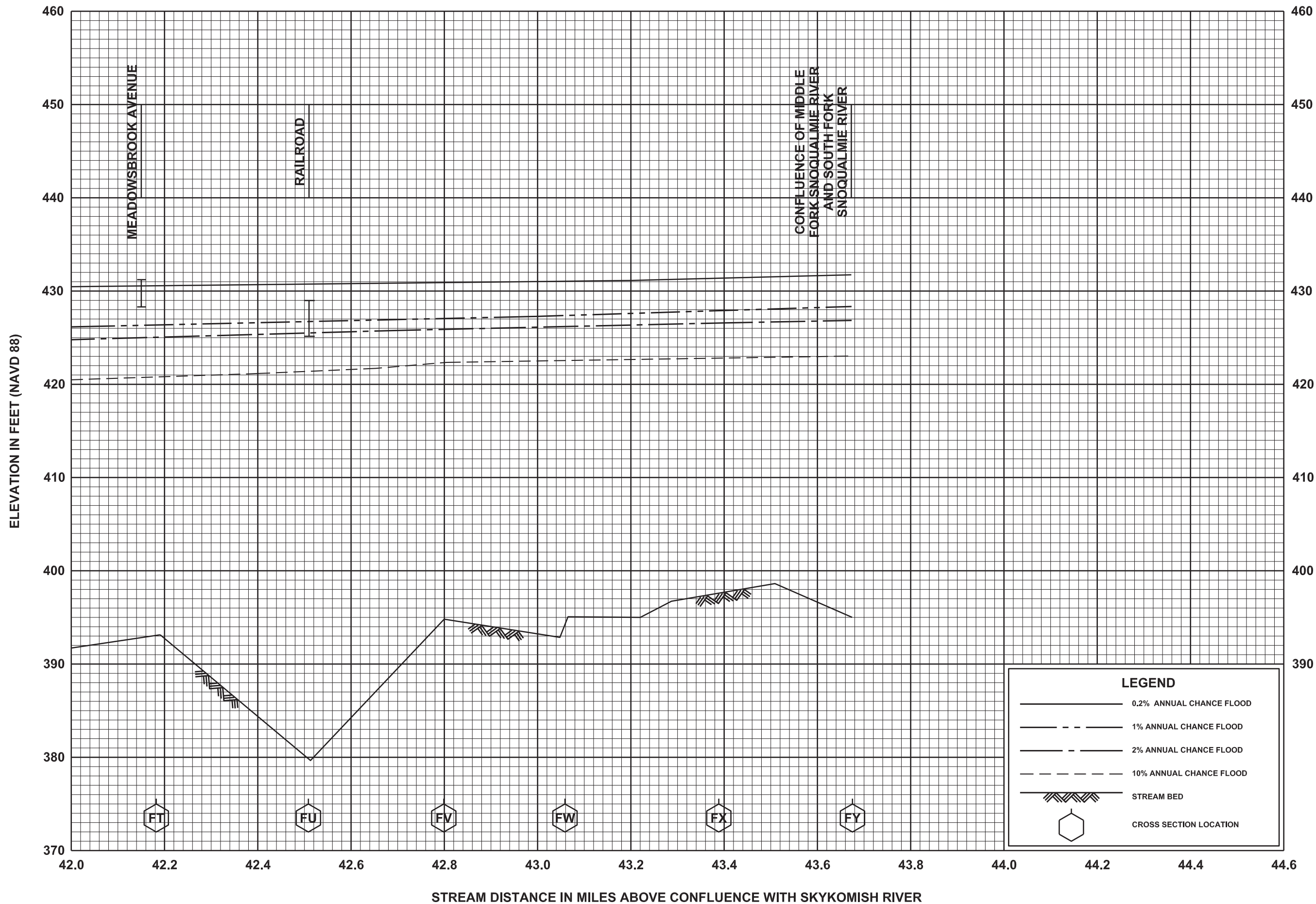
**FLOOD PROFILES
SNOQUALMIE RIVER**

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



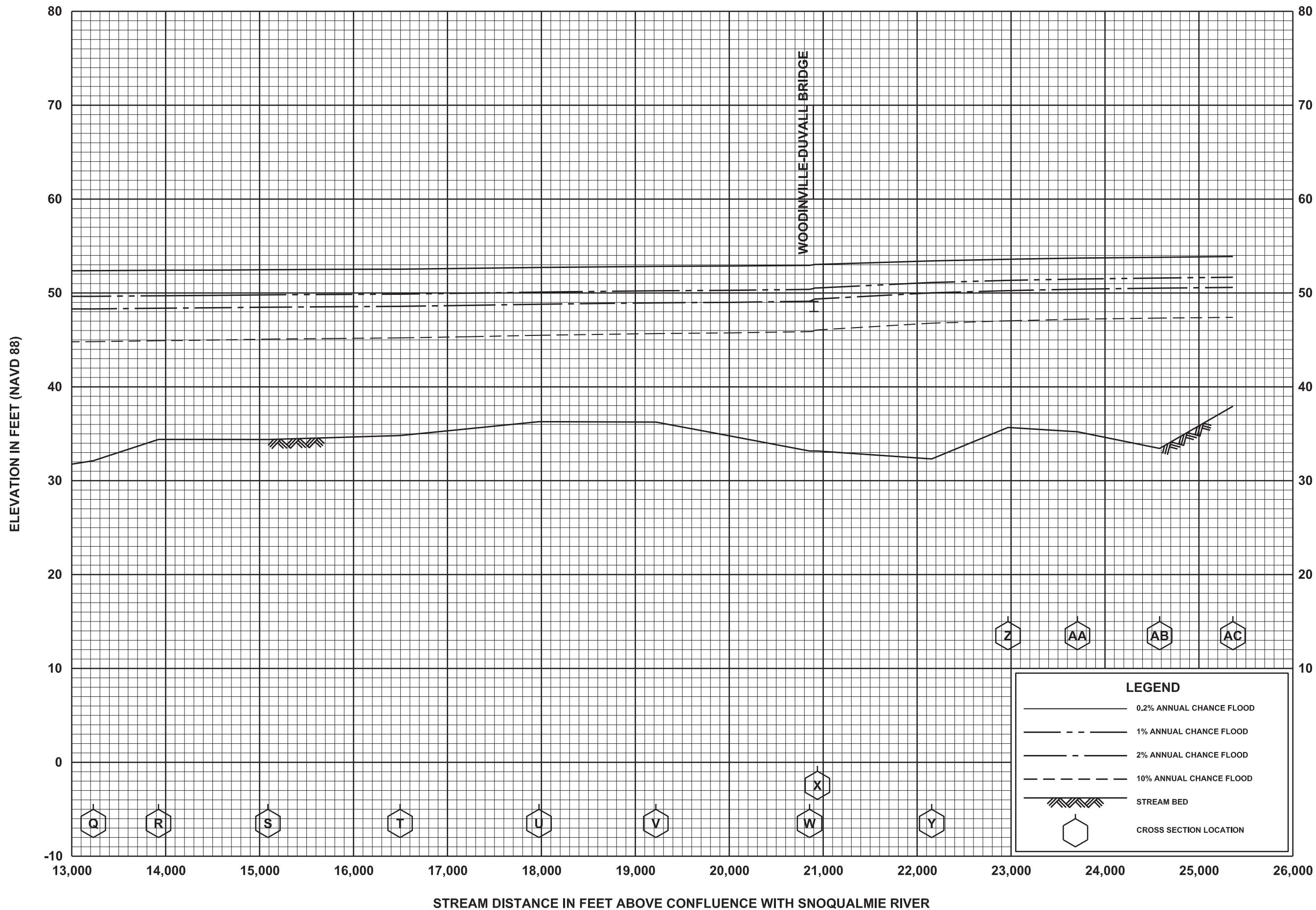
FLOOD PROFILES
SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES
SNOQUALMIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
KING COUNTY, WA
AND INCORPORATED AREAS

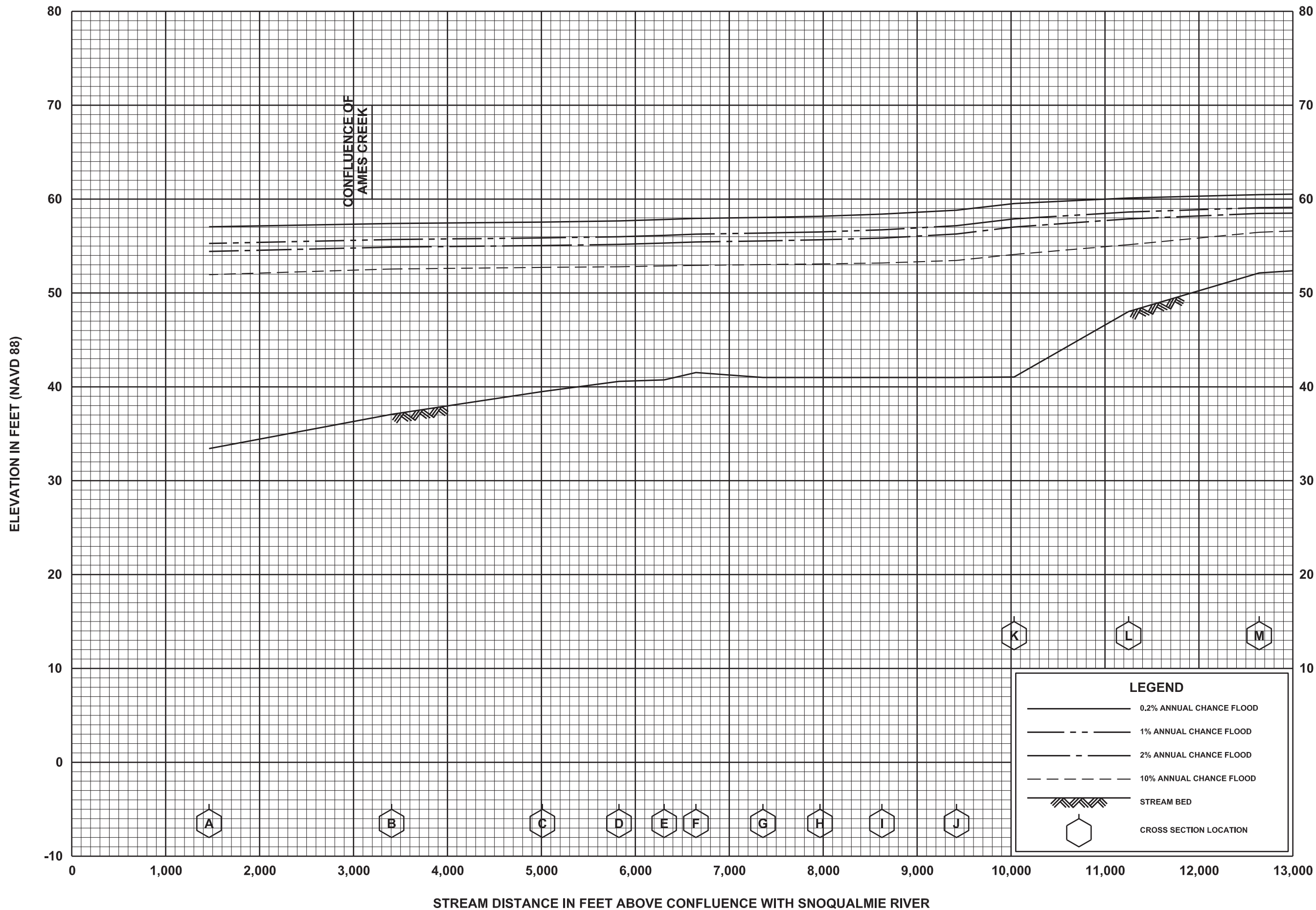


FLOOD PROFILES

SNOQUALMIE OVERFLOW REACH 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS

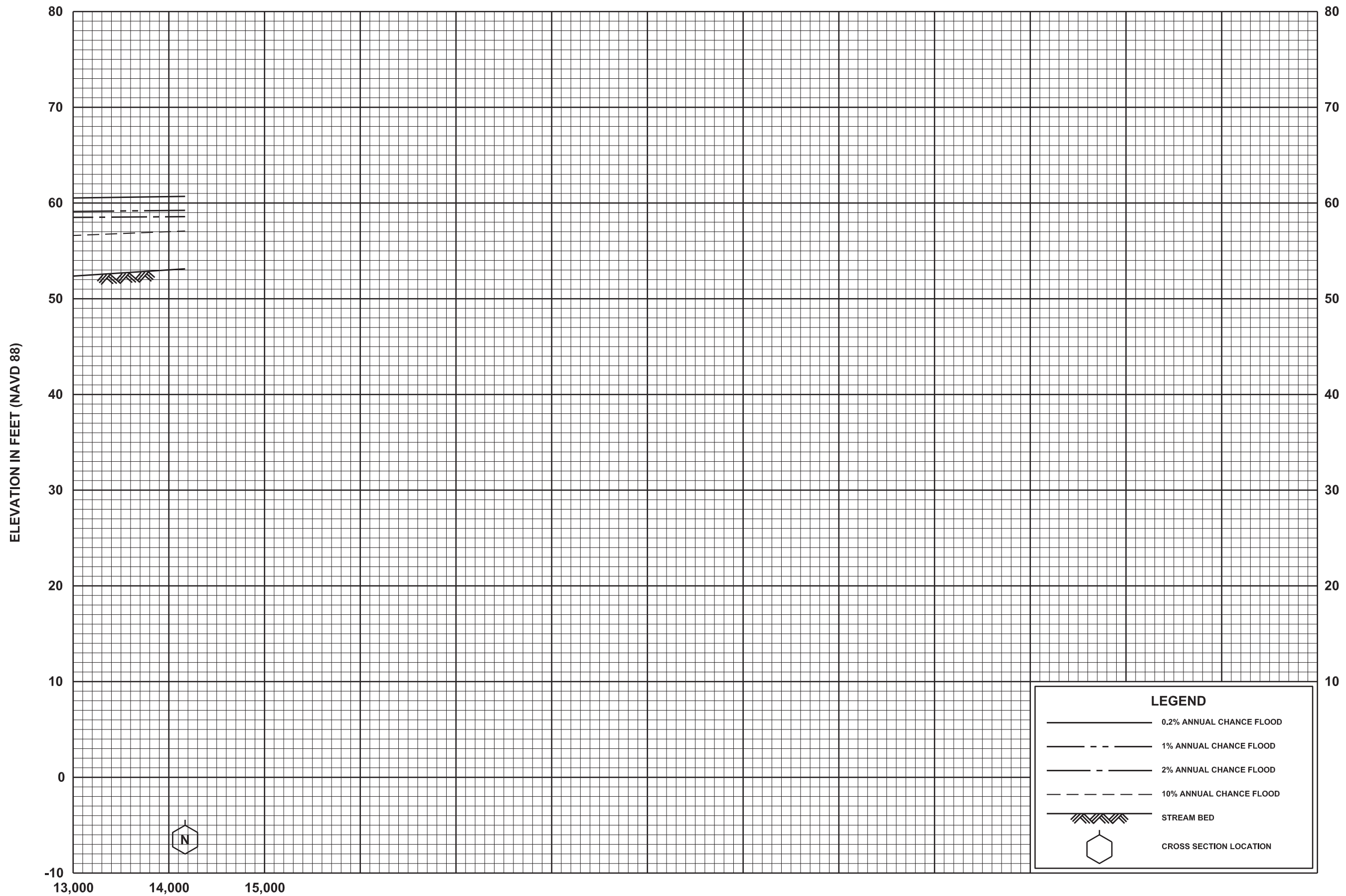


FLOOD PROFILES

SNOQUALMIE OVERFLOW REACH 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS



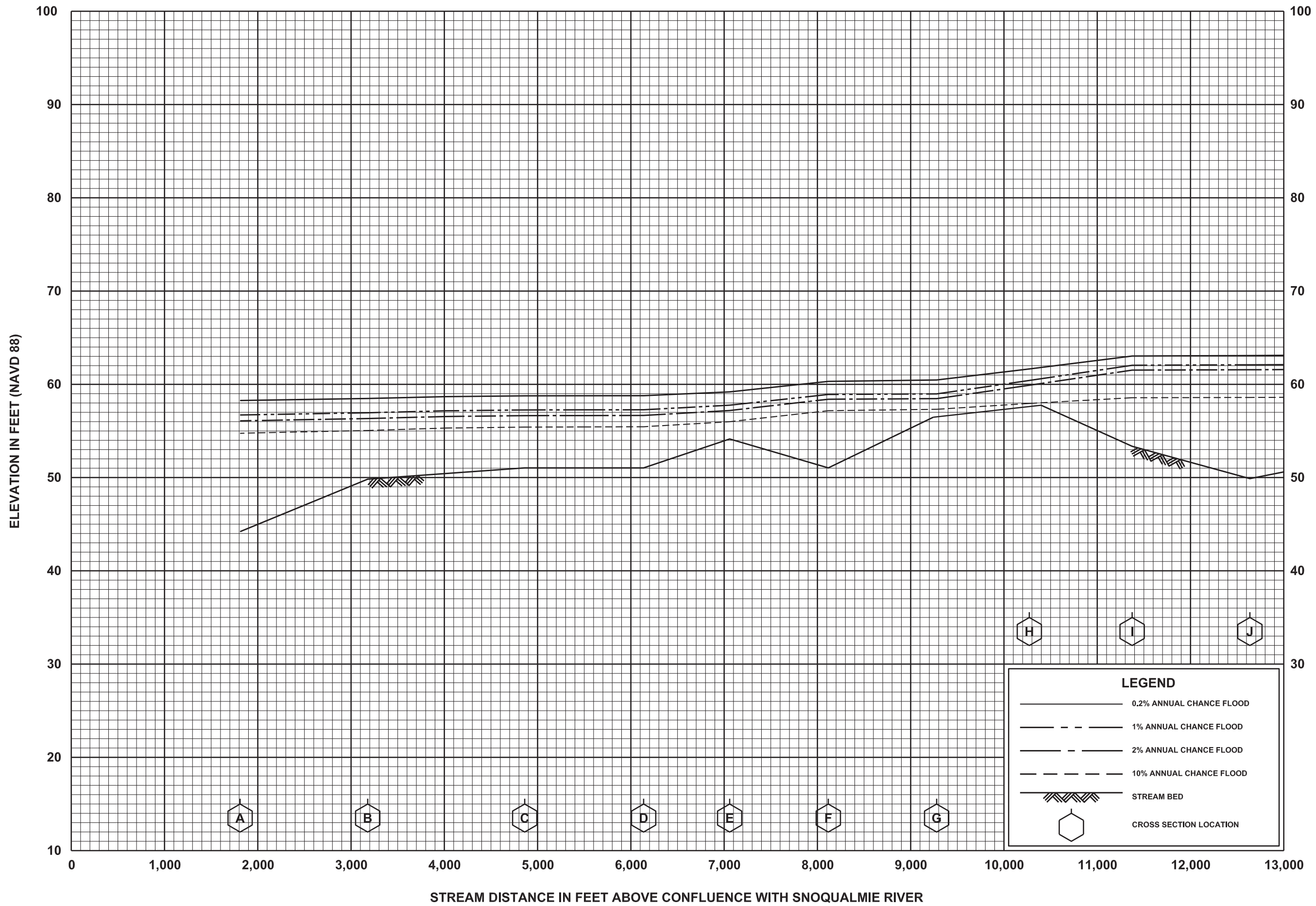
FLOOD PROFILES

SNOQUALMIE OVERFLOW REACH 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS

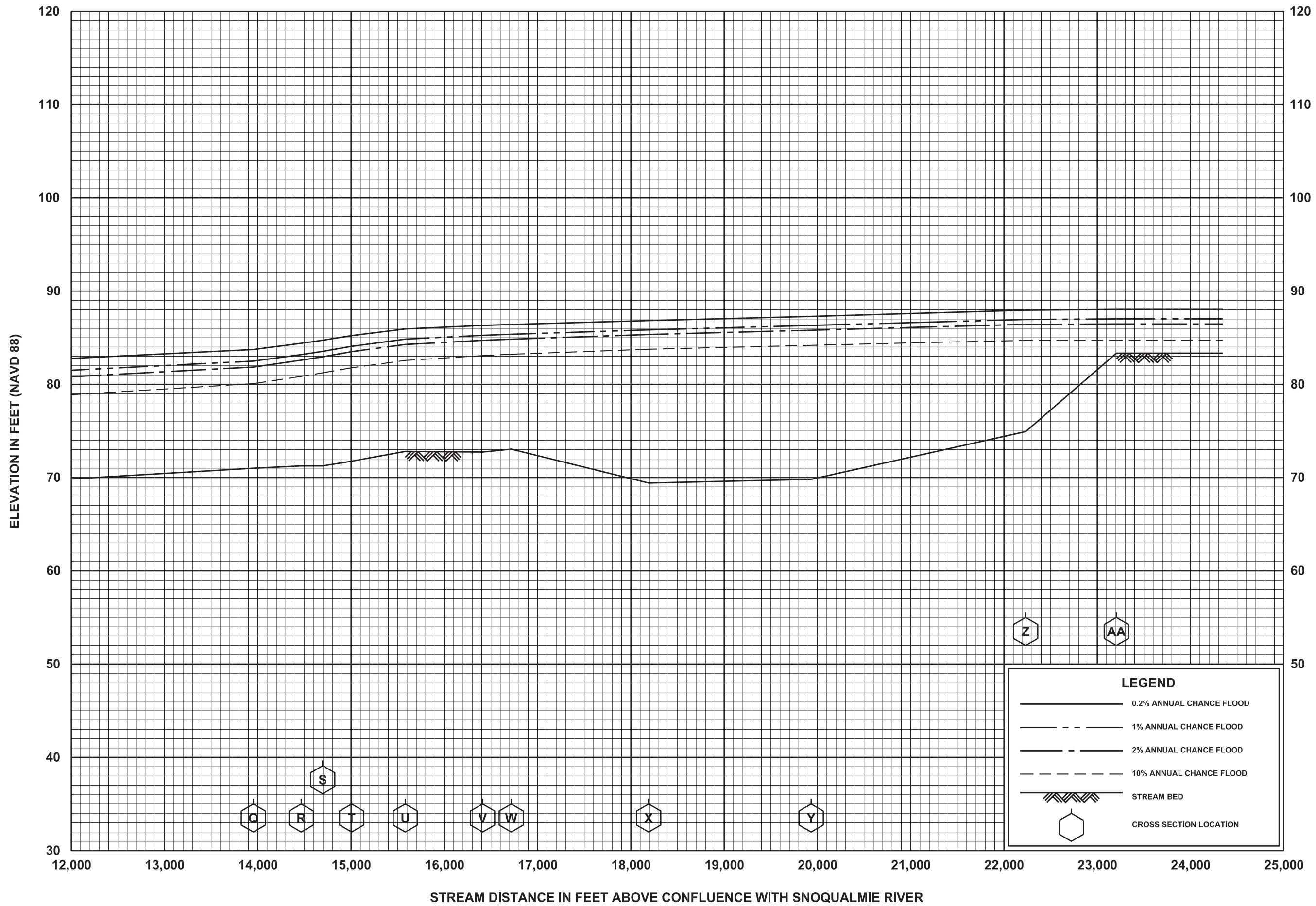


FLOOD PROFILES

SNOQUALMIE OVERFLOW REACH 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS



FLOOD PROFILES

SNOQUALMIE OVERFLOW REACH 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA
AND INCORPORATED AREAS