

# FLOOD INSURANCE STUDY

## FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 5 OF 10



## YAVAPAI COUNTY, ARIZONA AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
CAMP VERDE, TOWN OF	040131
CHINO VALLEY, TOWN OF	040094
CLARKDALE, TOWN OF	040095
COTTONWOOD, CITY OF	040096
DEWEY- HUMBOLDT, TOWN OF	040061
JEROME, TOWN OF*	040138
PRESCOTT, CITY OF	040098
PRESCOTT VALLEY, TOWN OF	040121
SEDONA, CITY OF	040130
WICKENBURG, TOWN OF	040056
YAVAPAI COUNTY, UNINCORPORATED AREAS	040093

\*No Special Flood Hazard Areas Identified



# FEMA

**REVISED:**

February 8, 2024

FLOOD INSURANCE STUDY NUMBER

04025CV005J

Version Number 2.4.3.5

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Flood Insurance Rate Map (FIRM)

**Table 29: Summary of Contracted Studies Included in this FIS Report**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Alberson Wash	*	*	*	*	Yavapai County, Unincorporated Areas
Arizonard Wash, Arrastre Creek, Ash Fork Draw Wash, Cameron Spring Creek, Campbells Flat Spring Creek, Carter Ranch Wash, Carter Wash, Cherry Creek, Cliffrose Wash, Copper Basin Wash, Cottonwood Creek, Diamond 2 Ranch Wash, Eight Mile Creek, Finch Wash, French Gulch, Hassayampa River, Hodgkins Gulch, Homestead Windmill Wash, Jumbo Tank Wash, McAllister Spring Creek, McCracken Wash, McIntyre Canyon Wash, Mescal Creek, Mexican Tank Wash, Milk Creek, Minnehaha Creek, Minoto Ranch Wash, Odegaard Tank Wash, Odegaard Wash, Pack Trail Creek, Park Creek, Partridge Creek, Pineveta Wash, Red Rock Tank Wash,	December 17, 2020	Atkins North America, Inc	*	April 2017	Yavapai County, Unincorporated Areas

\*Data not available

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
<i>(continued from above)</i> Skull Valley Wash, Spring Creek, Tom Lockett Draw Creek, Trib 1 Copper Basin Wash, Trib 1 Eight Mile Creek, Trib 1 Finch Wash, Trib 1 Homestead Windmill Wash, Trib 1 Mexican Tank Wash, Trib 1 Pineveta Wash, Trib 1 Tom Lockett Draw Creek, Trib 2 Copper Basin Wash, Trib 3 Copper Basin Wash, Trib 4 Copper Basin Wash, Trib 5 Copper Basin Wash, Trib 6 Partridge Creek, Trib 7 Partridge Creek, W Diamond Wash (LOCAL FLOODPLAIN ONLY), Walnut Grove Cemetery Wash, Walnut Grove Wash, Walnut Grove Wash 2, Wheeler Tank Wash, Whitehead Ranch Creek, Whitehead Wash, Willis Craft Tank Wash, 8 Various Tributaries, 15 small various Tributaries	December 17, 2020	Atkins North America, Inc	*	April 2017	Yavapai County, Unincorporated Areas

\*Data not available

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Beaver Creek, Black Canyon Creek, Cherry Creek, Cherry Creek Overflow, Del Monte Wash, Grampa Wash, Mescal Wash, North Fork Mescal Gulch, Oak Creek Tributary 1, Oak Creek Tributary 2, Oak Creek Tributary 3, and Oak Creek Tributary 4, Oak Wash, Pecks Lake, Pecks Lake Tributary, Pipe Creek, Silver Springs Gulch, Unnamed Creeks A, B, C, D, and F, Wikiup Creek, Wilburn Canyon Creek	October 16, 2015	Baker AECOM	HSFEHQ- 09-D-0368	April 2012	Clarkdale, Town of; Cottonwood, City of; Camp Verde, Town of; Yavapai County, Unincorporated Areas
Big Bug Creek and Hackberry Creek	March 2, 2015	Baker AECOM	HSFEHQ- 09-D-0368	June 2013	Yavapai County, Unincorporated Areas

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Big Chino Wash, Cottonwood Creek, Eastwood Creek, Hitt Wash, Indian Spring Creek, Kirkland Creek (South), Kirkland Creek (North), Long Canyon Creek, Mud Tank Wash, North Fork Date Creek, Poplar Wash, Ritter Creek, Strickland Wash (North), Strickland Wash (South), Unnamed Tributary to Kirkland Creek, Unnamed Tributary to Long Canyon Creek, Unnamed Tributary to Mud Tank Wash, Unnamed Tributary to Strickland Wash, Unnamed Tributary to Date Creek, Waterman Creek, Williamson Valley Wash	February 15, 2018	Atkins North America, Inc.	*	May 30, 2014	Yavapai County, Unincorporated Areas
Bottleneck Wash, Willow Creek, Willow Creek Tributary, Willow Creek Reservoir Tributary, and Granite Creek	April 24, 2015	JE Fuller Hydrology & Geomorphology, Inc.	*	*	Camp Verde, Town of; Clarkdale, Town of; Dewey-Humboldt, Town of; Prescott Valley, Town of; Sedona, City of; and Yavapai County, Unincorporated Areas

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Boynton Canyon Creek, Capitol Chinup Creek, Carroll Canyon Creek, Carroll Foothills Creek, Carroll Montana Wash, Carroll Raquel Wash, Chimney Rock Creek, Coffee Creek, Dad Jones Tank 2 Wash, Dancing Apache Wash, Devils Bridge Creek, Dry Creek, Dry Sterling Creek, Earls Tank, Fay Boynton Creek, Fay Canyon Creek, Fay Doe Creek, Grasshopper Flat Tank Wash, Grasshopper Flattop Wash, Hart Well Creek, Hart Well Lincoln Creek, Hart Well Taylor Creek, Holy Cross Wash, Huntley Tank Creek, Little Carroll Canyon Wash, Lincoln Canyon Creek, Little White Hills Wash, Long Canyon Creek, Long Dry Creek, Long OK Creek, Lost Wilson Creek, Loy Canyon Creek, Marshall Tank Wash, Mescal Pass Wash, Nolan Tank, Oak Creek, Old 79 Tank Creek, Page Flume Wash, Page Lookout Wash, Red Boynton Wash, Red House Mountain Creek, Roadway Spring Wash	February 8, 2024	Atkins North America, Inc.	MAS 2016-09-Yavapai-01a	May 2018	Camp Verde, Town of; Cottonwood, City of; Sedona, City of; Yavapai County Unincorporated Areas

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Schuerman Caballero Creek, Schuerman Mountain Tank Creek, Secret Canyon Creek, Secret Loy Creek, Secret Mountain Canyon Creek, Seventeen Summit Wash, Seventeen Tank, Sexton Ranch Wash, Sheepshead Canyon Creek, Small Turkey Creek, Soldier Pass Lookout Wash, Soldier Pass Wash, Spring Creek, Stingray Wash, Sugarloaf Ruins Creek, Tiny Creek, Triangle Tank Wash, Turkey Creek, Verde River, White Hills Canyon Wash, White Hills Wash, Windmill Ranch Wash, Windmill Spring Wash	February 8, 2024	Atkins North America, Inc.	MAS 2016-09- Yavapai-01a	May 2018	Camp Verde, Town of; Cottonwood, City of; Sedona, City of; Yavapai County Unincorporated Areas
Clipper Wash	*	*	*	*	Prescott Valley, Town of; Yavapai County, Unincorporated Areas

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Lakeshore Drive Wash	August 24, 2021	*	HSFE60-15-D0005	June 2017	Prescott Valley, Town of; Yavapai County, Unincorporated Areas
Lonesome Valley Wash	*	*	*	*	Prescott Valley, Town of; Yavapai County, Unincorporated Areas
Lonesome Valley Wash Tributary Reach 100	*	*	*	*	Yavapai County, Unincorporated Areas
Lonesome Valley Wash Tributary Reach 200	*	*	*	*	Yavapai County, Unincorporated Areas
Lonesome Valley Wash Tributary Reach 360	*	*	*	*	Yavapai County, Unincorporated Areas
Lonesome Valley Wash Tributary Reach 500	*	*	*	*	Prescott Valley, Town of; Yavapai County, Unincorporated Areas
Loos Drive Wash	August 24, 2021	*	HSFE60-15-D0005	June 2017	Prescott Valley, Town of
Lynx Creek	*	*	*	*	Prescott Valley, Town of; Yavapai County, Unincorporated Areas

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Miller Creek, Model Creek, Harper Canyon Wash, Stone Way Wash, American Wash, Mint Wash, Sickles Wash, Little Sickles Wash, Maughan Creek, Juniper Spring Wash, Antelope Peak Wash, Little Harper Canyon Wash, Outcrop Creek, Whisper Creek, Jerome Canyon Wash, Meadowlark Wash, Buckhorn Creek, Dunlap Creek, Backwoods Creek, Cooper Wash, Dillon Wash	February 15, 2018	Atkins North America, Inc.	*	April 30, 2014	Yavapai County, Unincorporated Areas
Mint Wash/American Wash, Kirkland Creek North, Kieckhefer Tank Wash, Storage Bins Wash	February 15, 2018	Atkins North America, Inc.	*	January 2017	Yavapai County, Unincorporated Areas
North Tributary to South Branch Agua Fria River	August 24, 2021	*	HSFE60-15- D0005	June 2017	Prescott Valley, Town of
South Branch Agua Fria River	August 24, 2021	*	HSFE60-15- D0005	June 2017	Prescott Valley, Town of
Squaw Creek, Mud Springs Wash, Cougar Creek, Agua Fria River, and Black Canyon Creek	March 2, 2015	Baker AECOM	HSFEHQ- 09-D-0368	February 2013	Dewey-Humboldt, Town of; Prescott Valley, Town of; Yavapai County, Unincorporated Areas

**Table 29: Summary of Contracted Studies Included in this FIS Report (continued)**

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Texas Gulch Main Stream	*	*	*	*	Dewey-Humboldt, Town of
Texas Gulch West Branch	*	*	*	*	Dewey-Humboldt, Town of; Yavapai County, Unincorporated Areas
Verde River	October 16, 2015	HDR	HSFEHQ-09-D-0368	January 25, 2011	Clarkdale, Town of; Cottonwood, City of; Camp Verde, Town of; Yavapai County, Unincorporated Areas
Viewpoint Wash	August 24, 2021	*	HSFE60-15-D0005	June 2017	Prescott Valley, Town of

\*Data not available

## 7.2 Community Meetings

The dates of the community meetings held for this Flood Risk Project and previous Flood Risk Projects are shown in Table 30. These meetings may have previously been referred to by a variety of names (Community Coordination Officer (CCO), Scoping, Discovery, etc.), but all meetings represent opportunities for FEMA, community officials, study contractors, and other invited guests to discuss the planning for and results of the project.

**Table 30: Community Meetings**

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Camp Verde, Town of	02/08/2024	09/22/2020	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, Arizona Department of Water Resources (AZ DWR), and community officials
Chino Valley, Town of	08/24/2021	11/04/2019	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, and the community
Clarkdale, Town of	10/16/2015	06/05/2012	Final CCO	Town of Camp Verde, the Town of Clarkdale, the City of Cottonwood, and Yavapai County
Cottonwood, City of	02/08/2024	09/22/2020	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, and the AZ DWR
Dewey-Humboldt, Town of	08/24/2021	11/04/2019	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, and the community
Prescott, City of	08/24/2021	11/04/2019	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, and the community
Prescott Valley, Town of	08/24/2021	11/04/2019	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, and the community
Sedona, City of	02/08/2024	09/22/2020	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, AZ DWR, and community officials
	03/21/2023	09/23/2020	Final CCO <sup>1</sup>	FEMA, AZ DWR, STARRII, and community officials
		05/09/2017	Initial CCO <sup>1</sup>	FEMA, the community, and the study contractor
Yavapai County, Unincorporated Areas	02/08/2024	09/22/2020	Final CCO	Yavapai County Flood Control District, FEMA, STARR II, Arizona Department of Water Resources (AZ DWR), and community officials

<sup>1</sup>Information for the CCO meeting is from the Coconino County Flood Insurance Study Report

## SECTION 8.0 – ADDITIONAL INFORMATION

Information concerning the pertinent data used in the preparation of this FIS Report can be obtained by submitting an order with any required payment to the FEMA Engineering Library. For more information on this process, see [www.fema.gov](http://www.fema.gov).

The additional data that was used for this project includes the FIS Report and FIRM that were previously prepared for Yavapai County. (FEMA 2015).

Table 31 is a list of the locations where FIRMs for Yavapai County can be viewed. Please note that the maps at these locations are for reference only and are not for distribution. Also, please note that only the maps for the community listed in the table are available at that particular repository. A user may need to visit another repository to view maps from an adjacent community.

**Table 31: Map Repositories**

Community	Address	City	State	Zip Code
Camp Verde, Town of	Town Hall 473 South Main Street Suite 108	Camp Verde	AZ	86322
Chino Valley, Town of	Development Services Department 1982 Voss Drive	Chino Valley	AZ	86323
Clarkdale, Town of	Town Hall 39 North Ninth Street	Clarkdale	AZ	86324
Cottonwood, City of	Public Works 1490 West Mingus Avenue	Cottonwood	AZ	86326
Dewey-Humboldt, Town of	Town Hall 2735 South Highway 69, Suite 12	Humboldt	AZ	86329
Jerome, Town of	Town Hall 600 Clark Street	Jerome	AZ	86331
Prescott, City of	City Hall 201 South Cortez Street	Prescott	AZ	86303
Prescott Valley, Town of	Development Services 7501 East Skoog Boulevard	Prescott Valley	AZ	86314
Sedona, City of	Community Development Department 102 Roadrunner Drive	Sedona	AZ	86336
Wickenburg, Town of	Town Hall 155 North Tegner Street Suite A	Wickenburg	AZ	85390
Yavapai County, Unincorporated Areas	Yavapai County Flood Control District 1120 Commerce Drive	Prescott	AZ	86305

The National Flood Hazard Layer (NFHL) dataset is a compilation of effective FIRM Databases and LOMCs. Together they create a GIS data layer for a state or territory. The NFHL is updated as studies become effective and extracts are made available to the public monthly. NFHL data can be viewed or ordered from the website shown in Table 32.

Table 32 contains useful contact information regarding the FIS Report, the FIRM, and other relevant flood hazard and GIS data. In addition, information about the State NFIP Coordinator and GIS Coordinator is shown in this table. At the request of FEMA, each Governor has designated an agency of state or territorial government to coordinate that state's or territory's NFIP activities. These agencies often assist communities in developing and adopting necessary floodplain management measures. State GIS Coordinators are knowledgeable about the availability and location of state and local GIS data in their state.

**Table 32: Additional Information**

FEMA and the NFIP	
FEMA and FEMA Engineering Library website	<a href="http://www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/engineering-library">www.fema.gov/national-flood-insurance-program-flood-hazard-mapping/engineering-library</a>
NFIP website	<a href="http://www.fema.gov/national-flood-insurance-program">www.fema.gov/national-flood-insurance-program</a>
NFHL Dataset	<a href="http://msc.fema.gov">msc.fema.gov</a>
FEMA Region IX	1111 Broadway, Suite 1200 Oakland, CA 94607-4052 1-800-621-3362
Other Federal Agencies	
USGS website	<a href="http://www.usgs.gov">www.usgs.gov</a>
Hydraulic Engineering Center website	<a href="http://www.hec.usace.army.mil">www.hec.usace.army.mil</a>
State Agencies and Organizations	
State NFIP Coordinator	Brian Cosson, CFM Arizona Department of Water Resources 1110 West Washington Street, Suite 310 Phoenix, AZ 85007 602-771-8657 <a href="mailto:btcosson@azwater.gov">btcosson@azwater.gov</a>
State GIS Coordinator	Jenna Leveille State Deputy Cartographer Arizona Land Department 1110 West Washington Street Phoenix, AZ 85007 602-364-2747 <a href="mailto:J.Leveille@azland.gov">J.Leveille@azland.gov</a>

## SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES

Table 33 includes sources used in the preparation of and cited in this FIS Report as well as additional studies that have been conducted in the study area.

**Table 33: Bibliography and References**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Aerial Mapping Company, 1994	Aerial Mapping Company	<i>Topographic Maps, Portions of Yavapai County, Scale 1:4,800, Contour Interval 4 feet</i>			April 1994	
Aerial Mapping Company, 1993	Aerial Mapping Company	<i>Topographic Maps, Portions of Yavapai County, Scale 1:2,400, Contour Interval 4 feet</i>			October 1993	
Aerial Mapping Company, 1993	Aerial Mapping Company	<i>Topographic Maps for Cherry Creek, Scale 1:4,800, Contour Interval 4 feet</i>			October 1993	
Aerial Mapping Company, 1993	Aerial Mapping Company	<i>Topographic Maps for Lucky Canyon Wash and Copper Canyon Wash, Scale 1:2,400, Contour Interval 4 feet</i>			October 1993	
Aerial Mapping Company, 1993	Aerial Mapping Company	<i>Topographic Maps for Portions of Verde River, Scale 1:4,800, Contour Interval 4 feet</i>			October 1993	
Aerial Mapping Company, 1979	Aerial Mapping Company	<i>Topographic Map, Town of Prescott Valley, Arizona, Scale 1:2,400, Contour Interval 4 feet</i>			1979	
Aerial Mapping Company, 1979	Aerial Mapping Company	<i>Topographic Maps, Portions of Yavapai County, Scale 1:2,400, Contour Interval 4 feet</i>			1979	

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Aerial Mapping Company, 1982	Aerial Mapping Company	<i>Topographic Maps, Verde River from Bridgeport to Cottonwood, Big Chino Wash, Scale 1:2,400, Contour Interval 4 feet</i>			June 1982	
AeroTech LiDAR	Yavapai County	<i>AeroTech LiDAR</i>	AeroTech Mapping, Inc.	Arizona	2017	
Amwest Engineering Inc., 1984	Amwest Engineering Inc.	<i>Topographic Map, Willow Creek, Scale 1:1,200, Contour Interval 1 foot</i>			November 1984	
ASL Consulting Engineers	ASL Consulting Engineers	<i>Area Drainage Master Study for Diamond Valley Area, Yavapai County, Arizona, #FCD967-011</i>	ASL Consulting Engineers	Yavapai County	June 1999	
Atkins NA, Inc. 2013	Atkins NA, Inc.	<i>Yavapai County Zone A Floodplain Delineation Study Phase I and Redelineation of Mint Wash, American Wash, Miller Creek, and associated tributaries</i>	Atkins NA, Inc.	Phoenix, AZ	October 2013	
Atkins NA, Inc. 2017	Atkins NA, Inc.	<i>Yavapai County Zone AE Floodway Delineation Study for Mint Wash</i>	Atkins NA, Inc.	Phoenix, AZ	January 2017	
Atkins NA, Inc. 2017	Atkins NA, Inc.	<i>Yavapai County Zone A Tie-in Floodplain Delineation Study</i>	Atkins NA, Inc.	Phoenix, AZ	January 2017	
Atkins NA, Inc. 2017	Atkins NA, Inc.	<i>Yavapai County Zone A Tie-in Floodplain Delineation Study</i>	Atkins NA, Inc.	Phoenix, AZ	January 2017	

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Atkins NA, Inc. 2017	Atkins NA, Inc.	<i>Yavapai County Zone A Tie-in Floodplain Delineation Study</i>	Atkins NA, Inc.	Phoenix, AZ	January 2017	
Atkins TSDN Oak Creek	Yavapai County	<i>TSDN Oak Creek Floodplain Remapping Project</i>	Atkins North America, Inc.	Phoenix, Arizona	June 2018	
Bench Marks 2004	National Geodetic Survey	<i>Geodetic bench mark positions and descriptions</i>	National Geodetic Survey	Silver Spring, MD	2004	
BLM 2011	BLM (Bureau of Land Management) Cadastral Survey - AZ	<i>Cadastral PLSS Standardized Data – PLSSIntersected - Version 1.1</i>	Bureau of Land Management (BLM)	Phoenix, AZ	April 2011	<a href="http://www.geocommunicator.gov/shapefilesall/CadNSDI/AZ_CadNSDI.zip">http://www.geocommunicator.gov/shapefilesall/CadNSDI/AZ_CadNSDI.zip</a>
City of Prescott, 2014	City of Prescott	<i>Technical Data Notebook for FEMA Floodplain Mapping of Willow Creek, Bottleneck Wash, and the Northern Segment of Granite Creek</i>			Updated January 2014	
City of Prescott, Arizona, 1973	City of Prescott, Arizona	<i>Topographic Map, City of Prescott, Arizona, Scale 1:24,000, Contour Interval 10 feet, 1973</i>			1973	
Claycomb / Rockwell Assoc.	Claycomb / Rockwell Associates, Inc.	<i>Lake Montezuma Estates Units 1 &amp; 2 Area Drainage Master Study Phase 1, CRA Job Number 1170.01 - .06, FCD 989-008</i>	Claycomb / Rockwell Associates, Inc.	Yavapai County	June 1999	
Cooper Aerial Surveys, 1993	Cooper Aerial Surveys	<i>Topographic Maps, Portions of Yavapai County, Scale 1:2,400, Contour Interval 2 feet</i>			April 1993	

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Cooper Aerial Surveys, 1987	Cooper Aerial Surveys	<i>Topographic Maps, Scale 1:2,400, Contour Interval 2 feet, Town of Prescott Valley, Arizona</i>			June 1987	
Cooper Aerial Surveys, 1978	Cooper Aerial Surveys	<i>Aerial Photogrammetry, Town of Clarkdale, Arizona. Scale 1:8,400, Tucson, Arizona</i>			1978	
Cooper Aerial Surveys, 1986	Cooper Aerial Surveys	<i>Topographic Maps for Sols Wash, Scale 1:2,400, Contour Interval 2 feet</i>			March 1986	
Cooper Aerial Surveys, 1989	Cooper Aerial Surveys	<i>Topographic Maps for South Rocky Boy Wash, Scale 1:4,800, Contour Interval 4 feet</i>			May 1989	
Cooper Aerial Surveys, 1978	Cooper Aerial Surveys	<i>Topographic Maps, Town of Clarkdale, Yavapai County, Arizona, Scale 1:2,400, Contour Interval 2 feet, Tucson, Arizona</i>			1978	
Cooper Aerial Surveys, 2011	Cooper Aerial Surveys	<i>Aerial Letter Mapping - Willow Creek FDS</i>			February 2011	
Cooper Aerial Surveys, 2011	Cooper Aerial Surveys	<i>Aerial Letter Mapping - Granite Creek</i>			February 2011	
Dibble & Associates	Dibble & Associates	<i>Cordes Lakes Area Drainage Master Study Final Report and Design Recommendation, YCFCD Contract Number 989-006</i>	Dibble & Associates	Yavapai County	July 1999	

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Dibble & Associates	Dibble & Associates	<i>Master study performed by Dibble &amp; Associates for the Yavapai County Flood Control District. This study includes floodplain delineations for portions of Kachina Wash and Whistle Wash.</i>	Dibble & Associates	Yavapai County	June 2002	
Digital Globe, 2014	Digital Globe	<i>Digital Ortho Mosaic</i>	Digital Globe		January 2014	
FEMA 2010	Federal Emergency Management Agency	<i>Yavapai County, Arizona and Incorporated Areas Flood Insurance Study</i>	FEMA	Washington, D.C.	September 2010	<a href="http://msc.fema.gov">http://msc.fema.gov</a>
FEMA, 2011	Federal Emergency Management Agency	<i>Conditional Letter of Map Amendment (Hydrology), Granite Creek &amp; Willow Creek, Yavapai County, Arizona Case #11-09-0942R</i>	Prepared by BakerAECOM		2011	
FEMA, 2015	Federal Emergency Management Agency	<i>Verde River PMR TSDN, Case #11-09-0922S. Prepared by BakerAECOM</i>			2015	
FEMA 2018	Federal Emergency Management Agency	<i>Yavapai County, Arizona and Incorporated Areas Flood Insurance Study</i>	Federal Emergency Management Agency	Washington, D.C.	March 2018	<a href="http://msc.fema.gov">http://msc.fema.gov</a>
FEMA 2019	Federal Emergency Management Agency	<i>Yavapai County, Arizona and Incorporated Areas Flood Insurance Study</i>	Federal Emergency Management Agency	Washington, D.C.	February 2019	<a href="http://msc.fema.gov">http://msc.fema.gov</a>

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
FEMA 2020	Federal Emergency Management Agency	<i>Yavapai County, Arizona and Incorporated Areas Flood Insurance Study</i>	Federal Emergency Management Agency	Washington, D.C.	December 2020	<a href="http://msc.fema.gov">http://msc.fema.gov</a>
FEMA 2021	Federal Emergency Management Agency	<i>Yavapai County, Arizona and Incorporated Areas Flood Insurance Study</i>	Federal Emergency Management Agency	Washington, D.C.	August 2021	<a href="http://msc.fema.gov">http://msc.fema.gov</a>
FLO-2D Software, Inc., 2009	FLO-2D Software, Inc.	<i>FLO-2D Basic dynamic flood routing model, Version Basic v2009, computer software program</i>			2009	
HDR	HDR	<i>Spatial information for Verde River floodplain.</i>	HDR	Prescott, AZ	June 2011	
Henningson, Durham & Richardson, Inc.	Henningson, Durham & Richardson, Inc.	<i>Topographic Maps, Aspen Creek, Manzanita Creek, and Willow Creek, Scale 1:4,800, Contour Interval 4 feet, updated</i>				
Imagery 2010	USFA-FSA-APFO Aerial Photography Field office	<i>Aerial Imagery</i>	USFA-FSA-APFO Aerial Photography Field office	Salt Lake City, Utah	December 2010	
Kelley/Wise Engineering, Inc., 2012	Kelley/Wise Engineering, Inc., 2012	<i>Field Survey Reports - FEMA Floodplain Mapping of Willow Creek, Bottleneck Wash, and Northern Segment of Granite Creek</i>			November 2012	

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Kenny Aerial Mapping, Inc.	Kenny Aerial Mapping, Inc.	<i>Topographic Map, City of Prescott, Yavapai County, Arizona, Scale 1:4,800, Contour Interval 4 feet</i>				
Kenny Aerial Mapping, Inc., 1986	Kenny Aerial Mapping, Inc.	<i>Topographic Maps for West Clear Creek, Scale 1" = 400', Contour Interval 4 feet</i>			February 1986	
Kenny Aerial Mapping, Inc., 1988	Kenny Aerial Mapping, Inc.	<i>Topographic Maps, Scale 1:1,200, Contour Interval 2 feet</i>			August 1988	
McLaughlin Kmetty Eng.	McLaughlin Kmetty Engineers, Ltd.	<i>Drainage Master Plan, Verde Village, FCD Project Number 4-94</i>	McLaughlin Kmetty Engineers, Ltd.	Yavapai County	August 1995	
Michael Baker Jr. Inc	Michael Baker Jr. Inc	<i>Tributaries along Verde River and Oak Creek.</i>	Michael Baker Jr.	Alexandria, MD	June 2011	
Michael Baker Jr. Inc	Michael Baker Jr. Inc	<i>Stream centerlines along verde river</i>	Michael Baker Jr.	Alexandria, MD	June 2011	
PLSS 1998	Arizona Land Resource Information System	<i>Arizona Land Resource Information System Township and Range System</i>	Arizona Land Resource Information System	Phoenix, AZ	January 1998	
Project Eng. Consultants	Project Engineering Consultants, Ltd.	<i>Yarber Wash Floodplain Delineation Study Final Report</i>	Project Engineering Consultants, Ltd.	Yavapai County	August 2005	
Robert Hardy, 1984	Prescott City of Public Works	<i>Over 14 Inches of Rain in One Day (Article of September 1983 storm event)</i>	Robert Hardy		April 1984	

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Sanborn Mapping Company Inc., 2008	Sanborn Mapping Company, Inc.	<i>Aerial Mapping Report - Aerial Triangulation Report</i>			December 2008	
Sanborn Map Company Inc., 2012	Sanborn Mapping Company, Inc.	<i>LiDAR data for Yavapai County</i>			2012	
Sanborn 2016	Sanborn Mapping Company, Inc.	<i>Yavapai LiDAR - LiDAR Campaign Processing and QA/QC Report</i>	Sanborn Mapping Company, Inc.	Colorado Springs, CO	June 2016	
Sellers and Hill, Editors, 1973	University of Arizona Press	<i>Arizona Climates</i>	Sellers and Hill, Editors	Tucson, Arizona	1973	
Sellers, W.D., Hill R.H, and Sanderson-Rae, M., 1986		<i>Arizona Climate, The First Hundred Years</i>	Sellers, W.D Hill, R.H. Sanderson-Rae, M.		1986	
Stantec Consulting, Inc.	Stantec Consulting, Inc.	<i>Village of Oak Creek Projects, Bell Canyon Wash Flood Hazard Study, Rim Rock Ride and Cortez Drive Crossing Design Concept Report, Eastside Drainage Improvements Design Concept Report</i>	Stantec Consulting, Inc.	Yavapai County	June 2002	
USACE, 2010	U.S. Department of the Army, Corps of Engineers	<i>HEC-RAS River Analysis System, Version 4.1</i>			January 2010	
U.S. Census Bureau, 2013	U.S. Census Bureau	<i>2012 Population Estimate</i>			Accessed July 29, 2013	<a href="https://www.census.gov/">https://www.census.gov/</a>

**Table 33: Bibliography and References (continued)**

Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
U.S. Census Bureau, 2013	U.S. Census Bureau	<i>American Fact Finder</i>			Accessed July 29, 2013	<a href="http://factfinder2.census.gov/faces/tableservices/jsf/pages/productiveview.xhtml?pid=ACS_11_5YR_DP03">http://factfinder2.census.gov/faces/tableservices/jsf/pages/productiveview.xhtml?pid=ACS_11_5YR_DP03</a>
USCB	U.S Census Bureau	<i>Roadways - Updated TIGER Roads</i>	U.S Census Bureau	Yavapai County, AZ	June 2017	<a href="http://www2.census.gov/geo/tiger/TIGER2018/ROADS/tl_2018_04025_roads.zip">www2.census.gov/geo/tiger/TIGER2018/ROADS/tl_2018_04025_roads.zip</a>
U.S. Department of Agriculture, 1971	U.S. Department of Agriculture, Forest Service	<i>Topographic Maps, Southwestern Region, Oak Creek Canyon, Scale 1:2,400, Contour Interval 5 feet, Flagstaff, Arizona</i>			1971	
U.S. Department of the Interior, Geological Survey	U.S. Department of the Interior, Geologic Survey	<i>7.5 Minute Series Topographic Maps, Scale 1:24,000, Contour Interval 20 feet, Camp Verde, Yavapai County, Arizona</i>				
U.S. Department of the Interior, Geological Survey, 2007	U.S. Department of the Interior, Geologic Survey	<i>Peak FQ – Flood Frequency Analysis Based on Bulletin 17B, Version 5.2</i>			November 1, 2007	
U.S. Department of the Interior, Geological Survey, 2011	U.S. Department of the Interior, Geological Survey	<i>Estimated Manning's Roughness Coefficients for Stream Channels and Floodplains in Maricopa County, Arizona</i>			April 2011	

**Table 33: Bibliography and References (continued)**

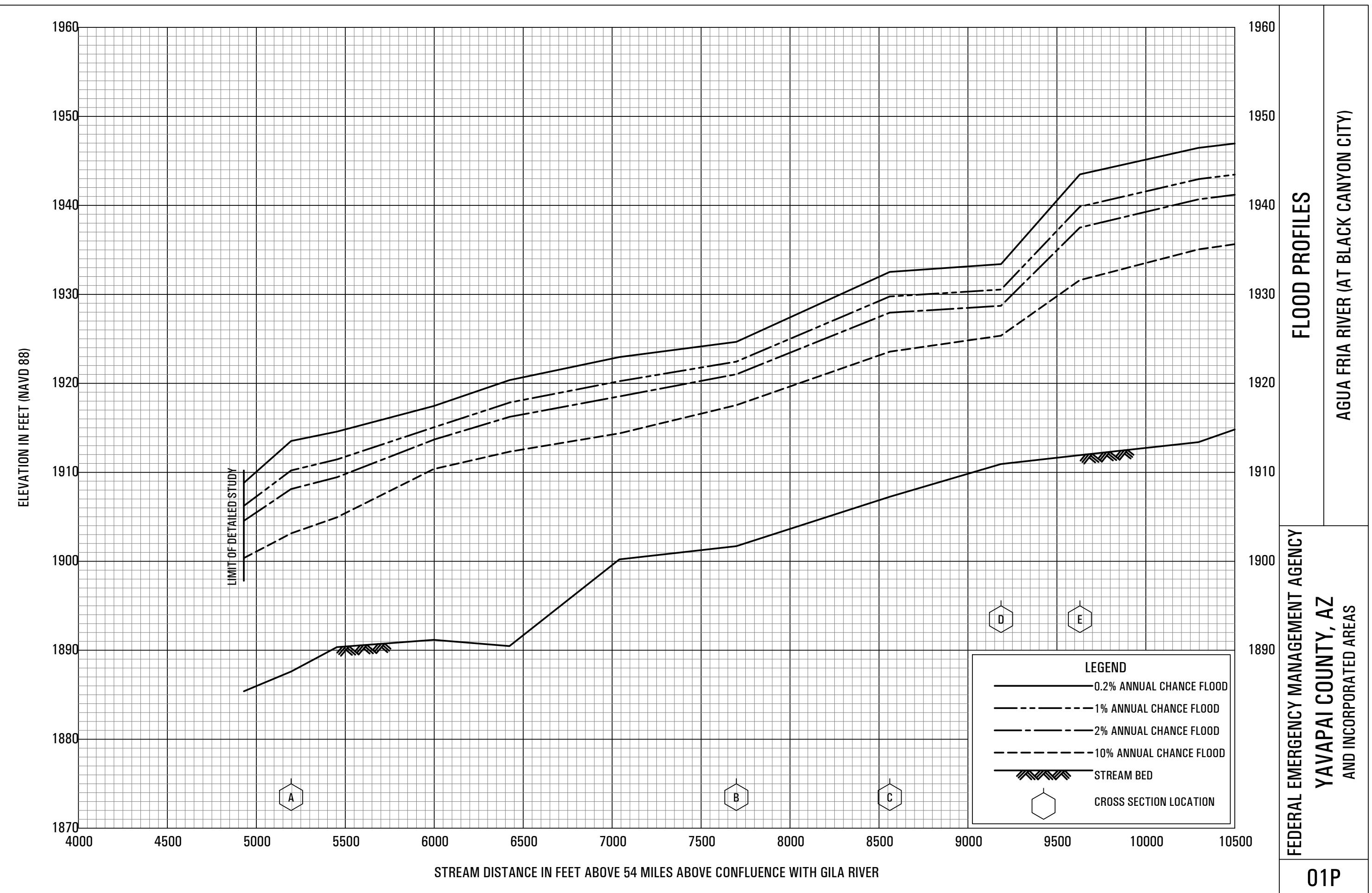
Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
USDA-FSA-APFO 2013	USDA-FSA-APFO Aerial Photography Field Office	<i>USDA-FSA-APFO Digital Ortho Mosaic</i>	USDA-FSA-APFO Aerial Photography Field Office	Salt Lake City, UT	August 2013	<a href="https://land.az.gov/mapping-services/sco/arizona-imagery-server">https://land.az.gov/mapping-services/sco/arizona-imagery-server</a>
USDA, 2017	USDA-FSA Aerial Photography Field Office	<i>USDA-FSA-APFO Digital Ortho Mosaic Yavapai, AZ 2017</i>	USDA	Salt Lake City, UT	January 2017	
USGS	United States Geological Survey	<i>HUC 8 watersheds for Yavapai County, AZ</i>	United States Geological Survey	Washington, D.C.	June 2018	
USGS 2002	U.S. Geological Survey	<i>7.5-Minute Quadrangle Grid</i>	U.S. Geological Survey	Redlands, CA	December 2002	
Vertical Mapping Resources, Inc., 2007	Vertical Mapping Resources, Inc.	<i>Topographic Mapping for Big Bug Creek, 2- foot interval contours</i>			April 3, 2007	
Vertical Mapping Resources, Inc., 2007	Vertical Mapping Resources, Inc.	<i>Light Detection and Ranging (LiDAR) collection and aerial imagery, State Plane NAD83, NAVD88, 1-meter post spacing for 193 square miles,</i>			Flight date April 24, 2007	
Vertical Mapping Resources, Inc., 2011	Vertical Mapping Resources, Inc.	<i>Topographic mapping for Yavapai County, 2- foot interval contours</i>			2011	
WRG Design, Inc., 2008	WRG Design, Inc.	<i>Big Bug Creek Detailed Flood Hazard Study</i>			February 10, 2008	
Yavapai County 2003	Yavapai County	<i>Yavapai County GIS Base Data</i>	Yavapai County	Yavapai County	January 2003	

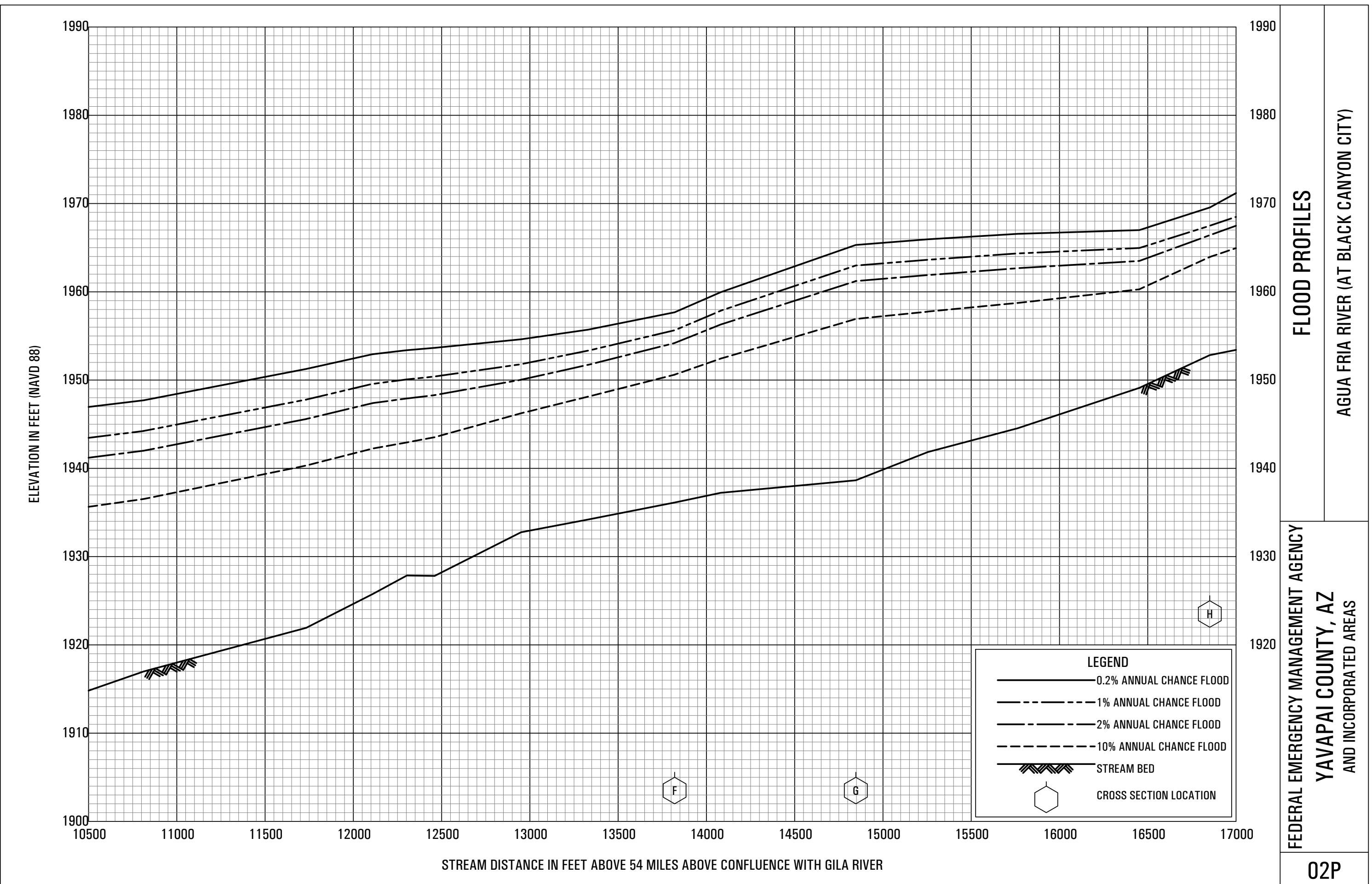
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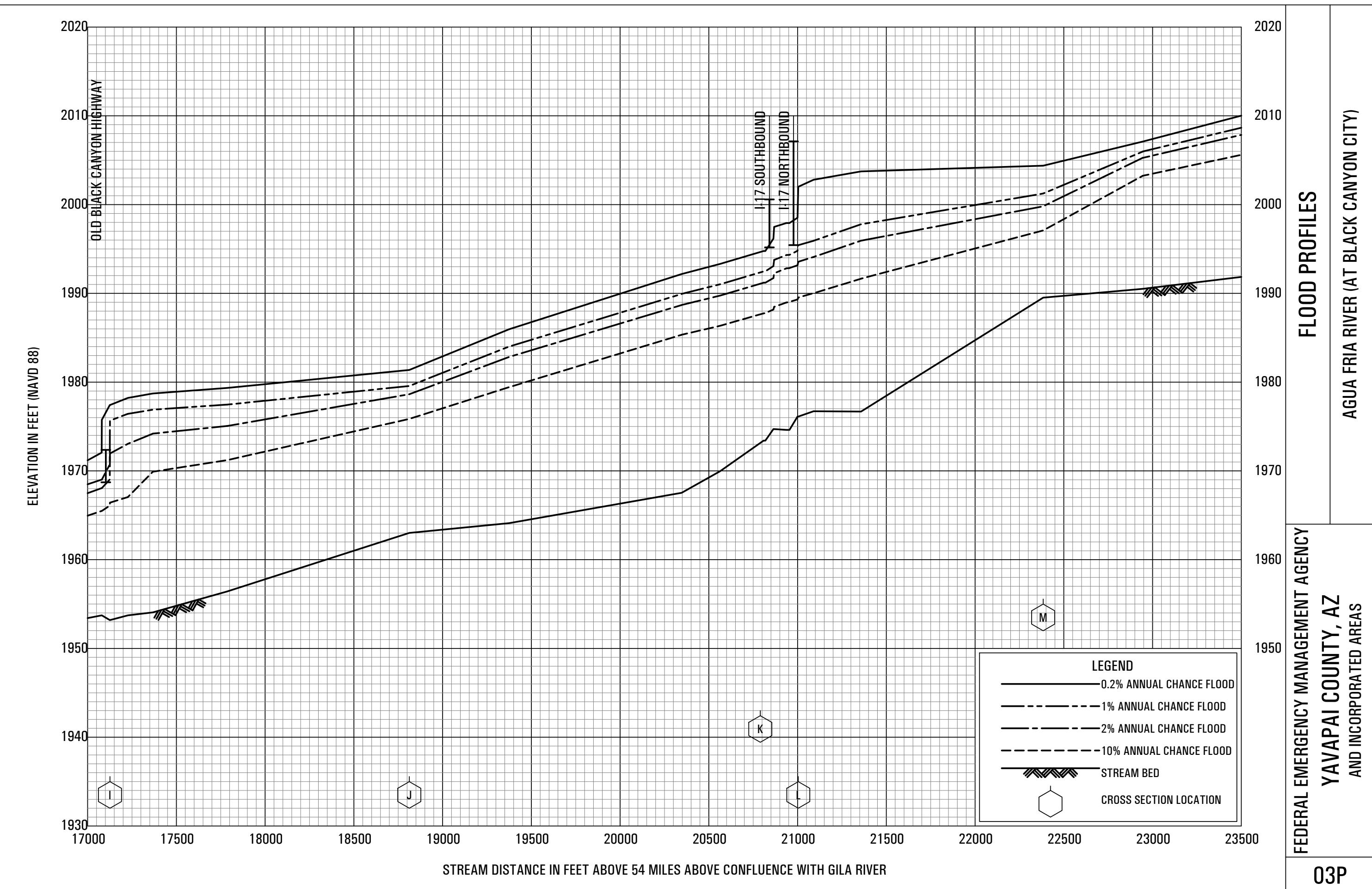
Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Yavapai County Development Services Flood Control District, 2011	Yavapai County Development Services Flood Control District	<i>Technical Data Notebook for Big Bug Creek Flood Hazard Study</i>	Cardno WRG, Inc.		August 2011	
Yavapai County Flood Control District, 2008	Yavapai County Flood Control District	<i>Hydrologic Analyses and Results for the Agua Fria River and Tributaries</i>	HDR		January 2008	
Yavapai County Flood Control District, 2010	Yavapai County Flood Control District	<i>Yavapai County GIS Tools Project</i>			October 2010	
Yavapai County Flood Control District, 2011	Yavapai County Flood Control District	<i>Verde River Flood Hazard Assessment- Floodplain Redelineation- Clarkdale through Beasley Flat, Yavapai County, Arizona. Prepared by HDR</i>			January 25, 2011	
Yavapai County Flood Control District, 2012	Yavapai County Flood Control District	<i>Floodplain Delineation Study of Agua Fria River and Tributaries, Including Black Canyon Creek, Squaw Creek, Mud Springs Wash, and Un-Named Tributary</i>	JE Fuller Hydrology and Geomorphology		February 2012	
Yavapai County Flood Control District, 2013	Yavapai County Flood Control District	<i>Drainage Design Manual for Yavapai County, Draft Edition</i>			April 2013	
Yavapai County Flood Control District, 2013	Yavapai County Flood Control District	<i>Cottonwood Tributaries Zone A Floodplain Delineation Study, Technical Data Notebook. Prepared by Atkins</i>			April 2013	

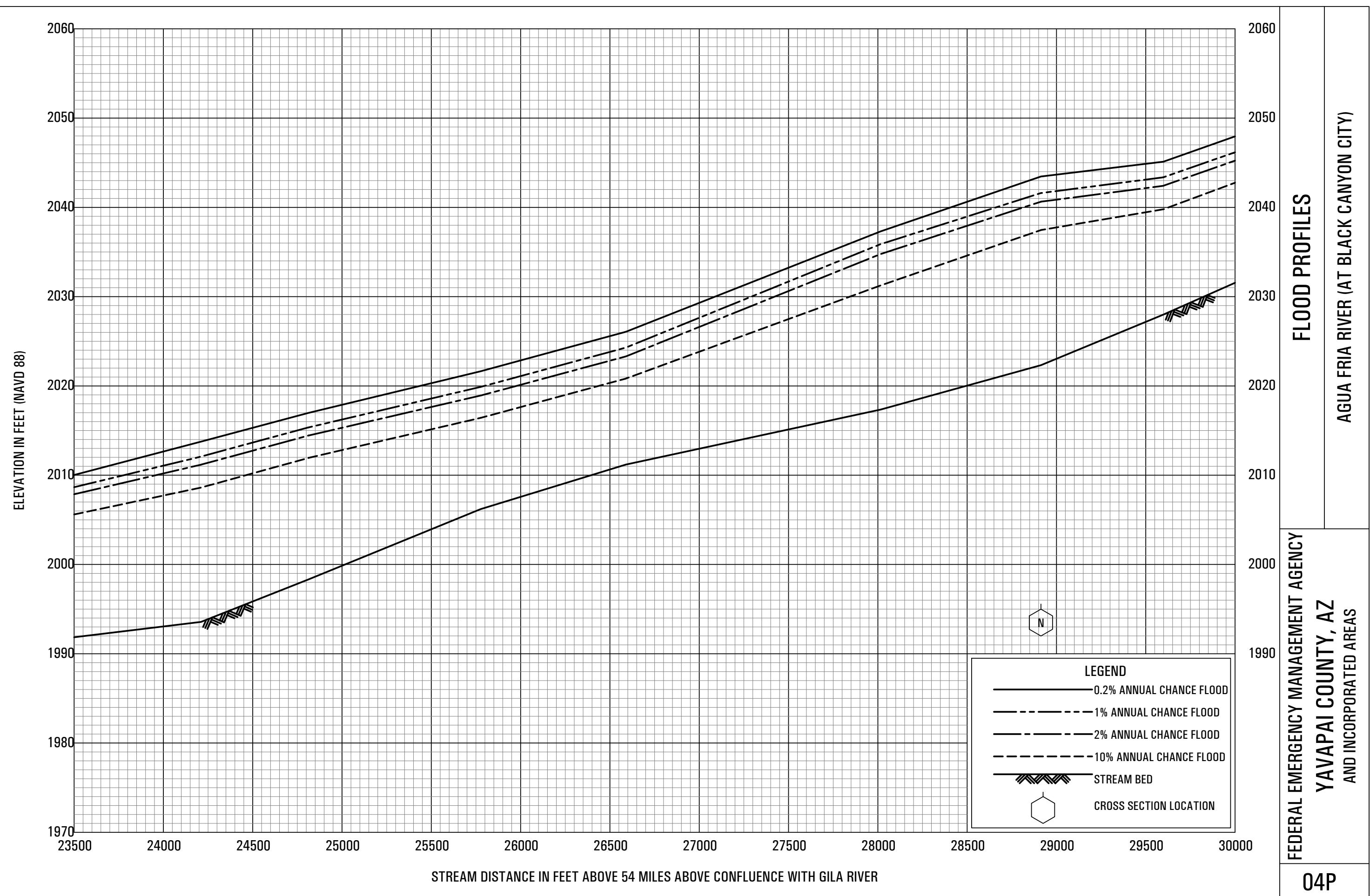
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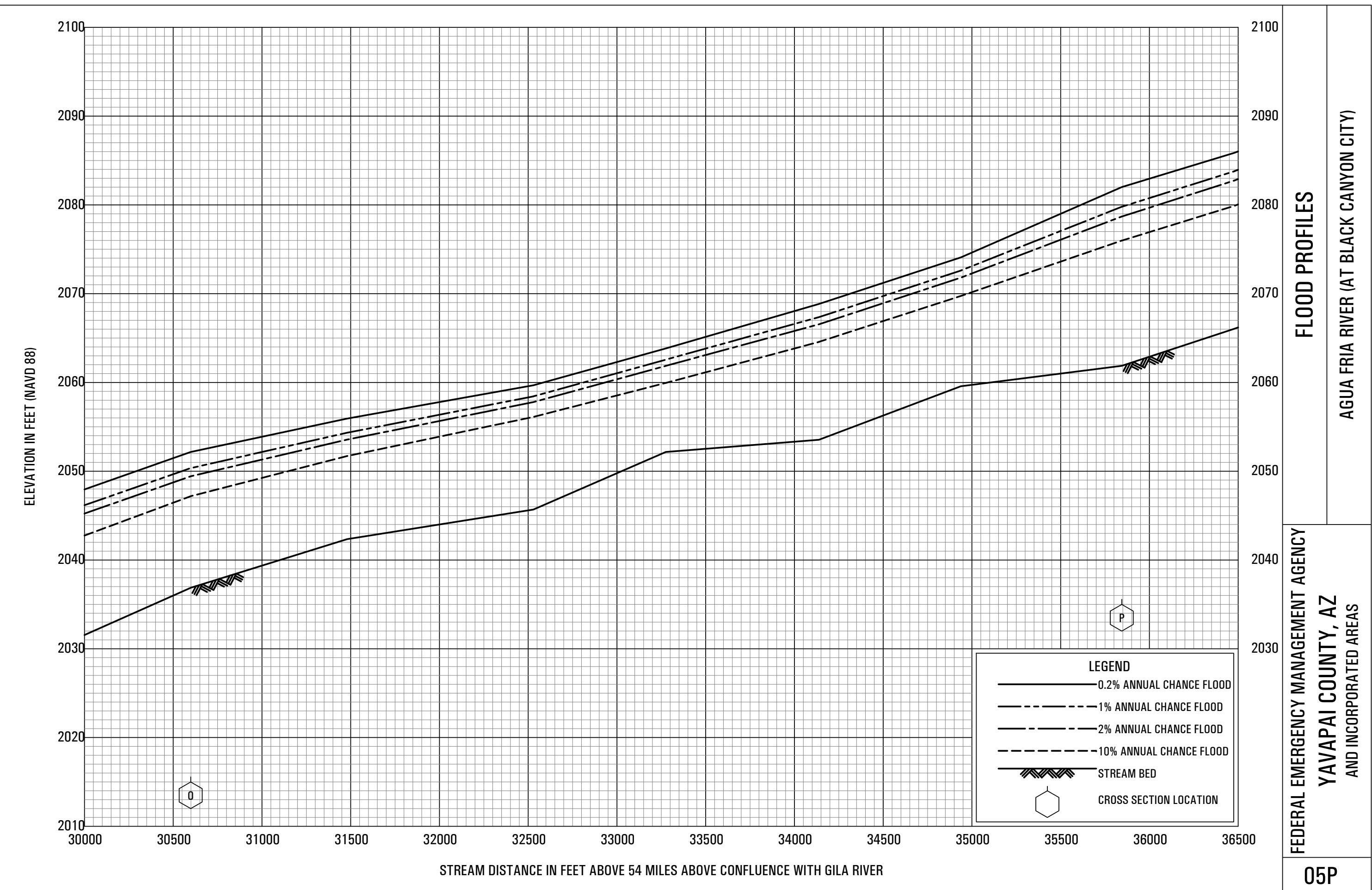
Citation in this FIS	Publisher/Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
Yavapai County Flood Control District	Yavapai County Flood Control District	<i>Topographic Maps, Scale 1:1,200, Contour Interval 2 feet</i>				
Yavapai County GIS 2014	Yavapai County GIS	<i>Boundaries of incorporated areas in Yavapai County</i>	Yavapai County GIS	Prescott, AZ	September 2014	<a href="http://www.yavapai.us/gis">http://www.yavapai.us/gis</a>
Yavapai County PW	Analytical Surveys, Inc., Yavapai County Public Works	<i>Yavapai County PWK Street Centerlines</i>	Yavapai County	Prescott, AZ	January 1996	

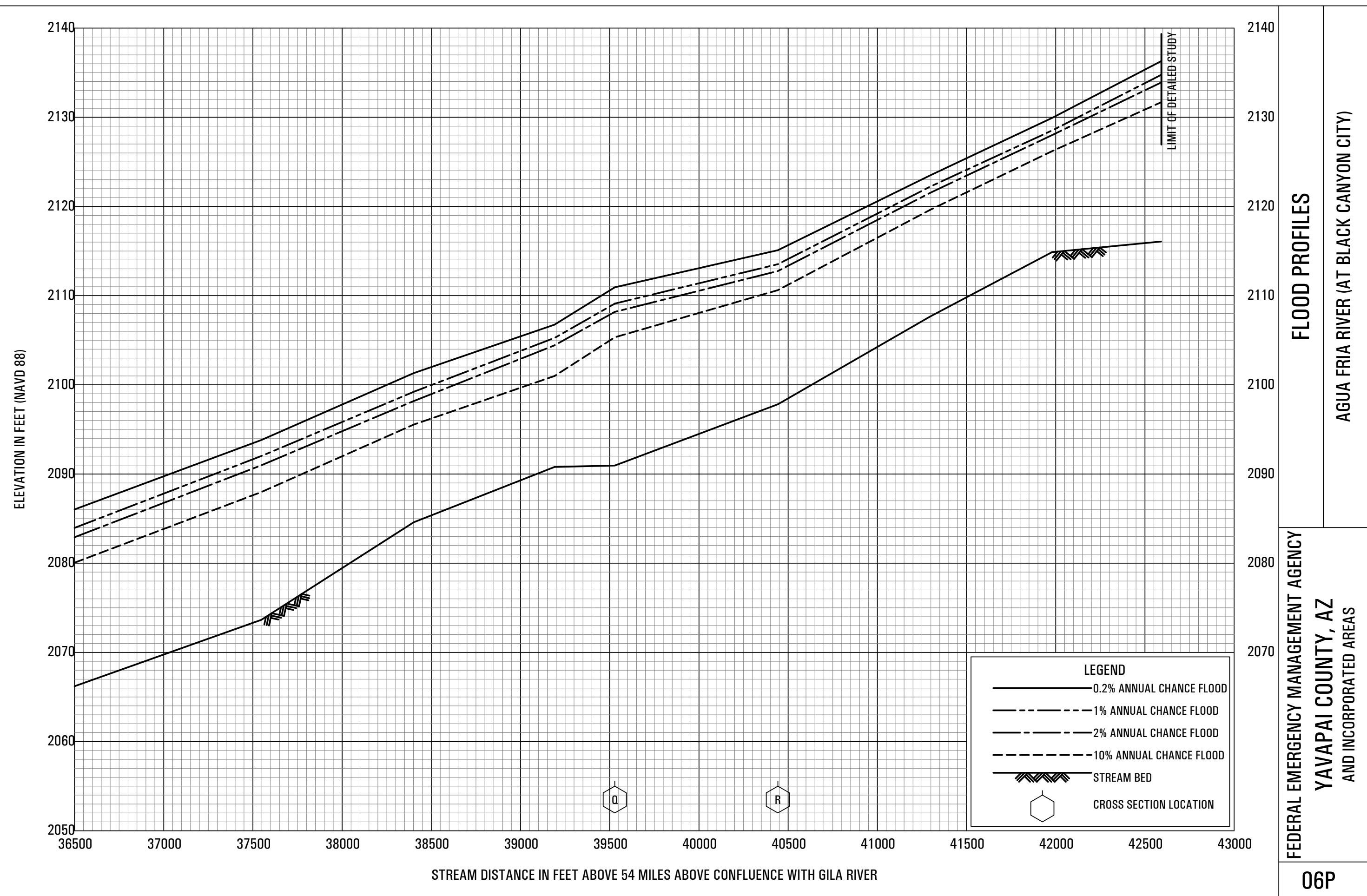


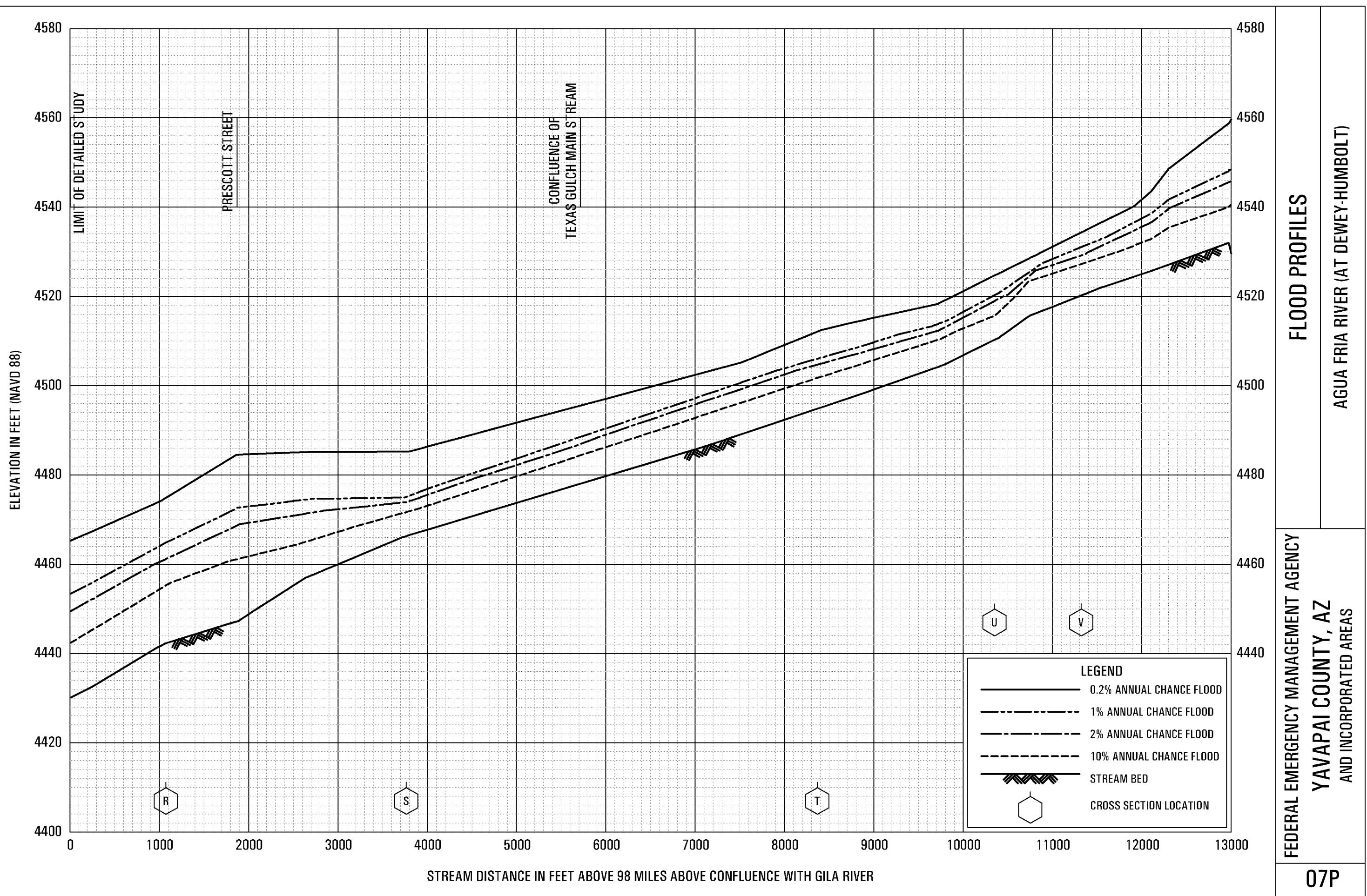










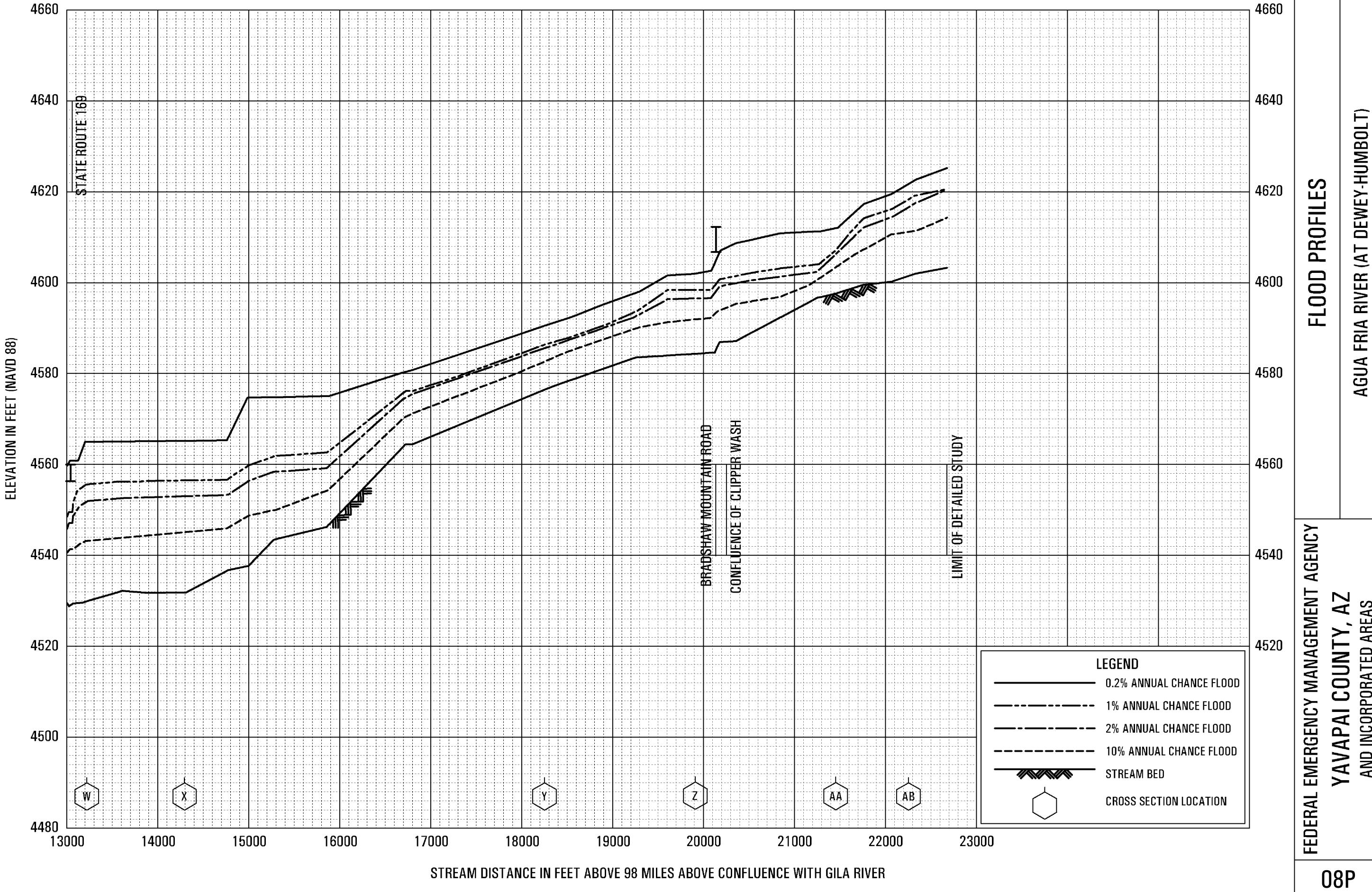


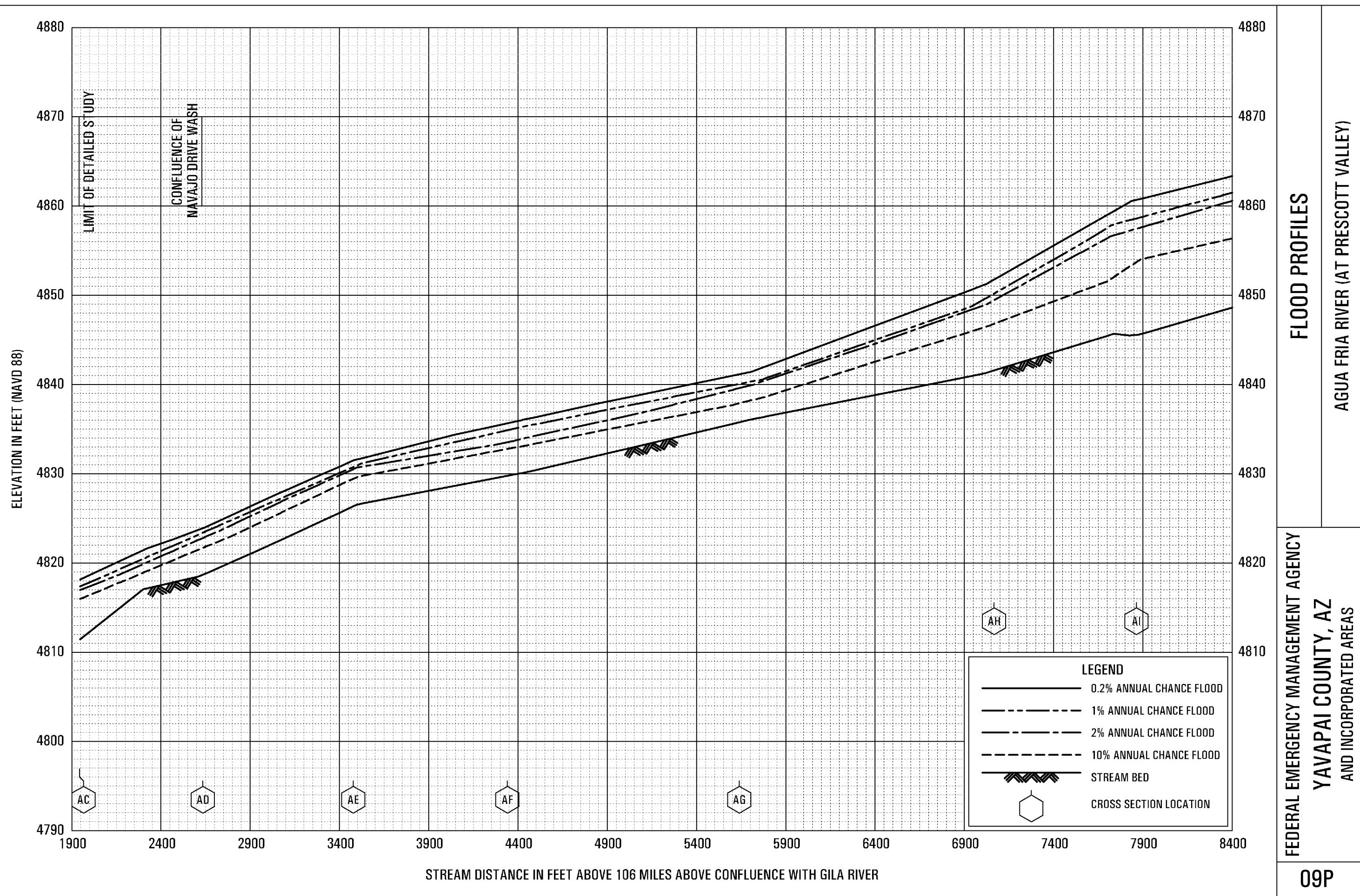
AGUA FRIA RIVER (AT DEWEY-HUMBOLDT)

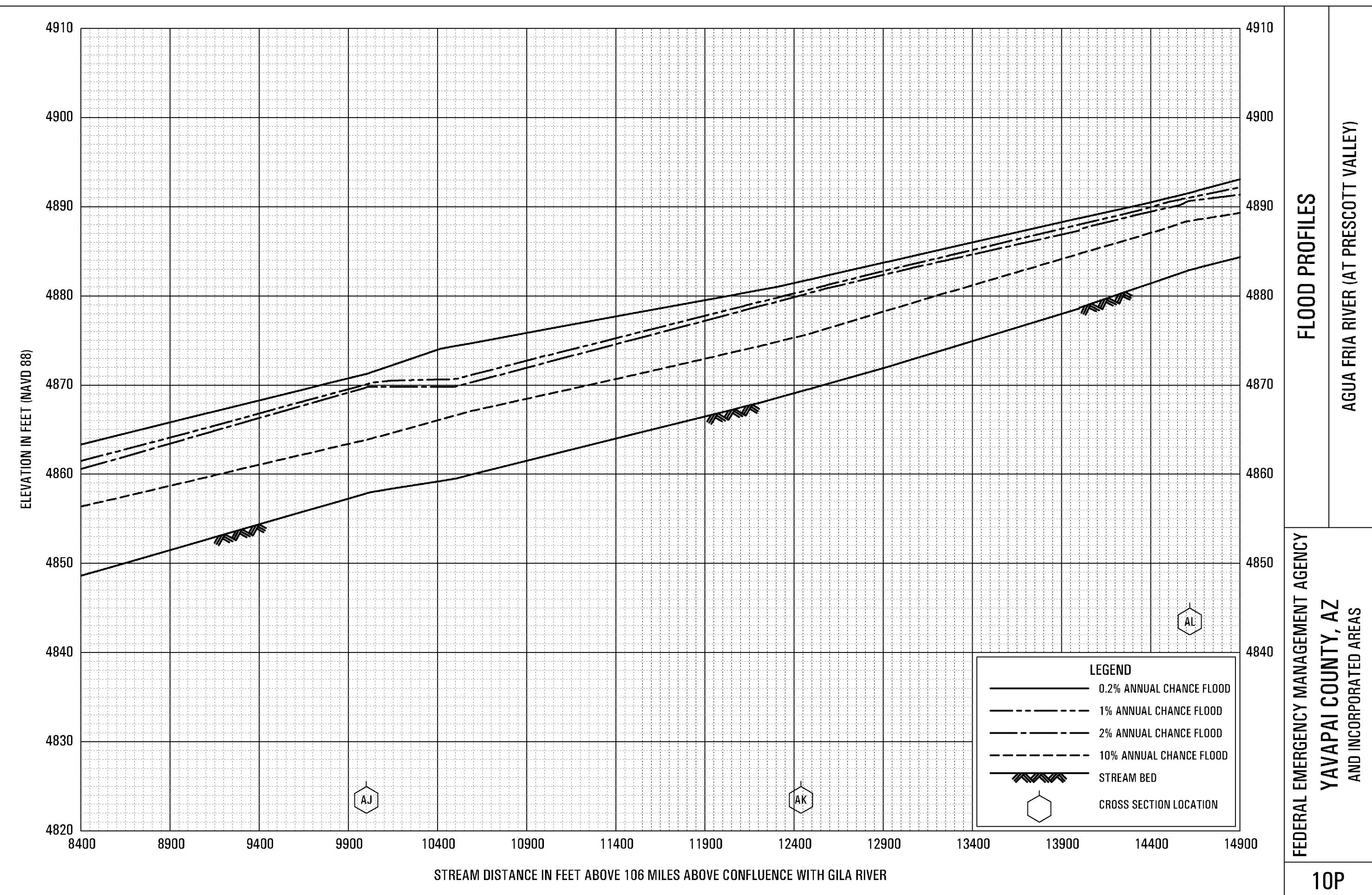
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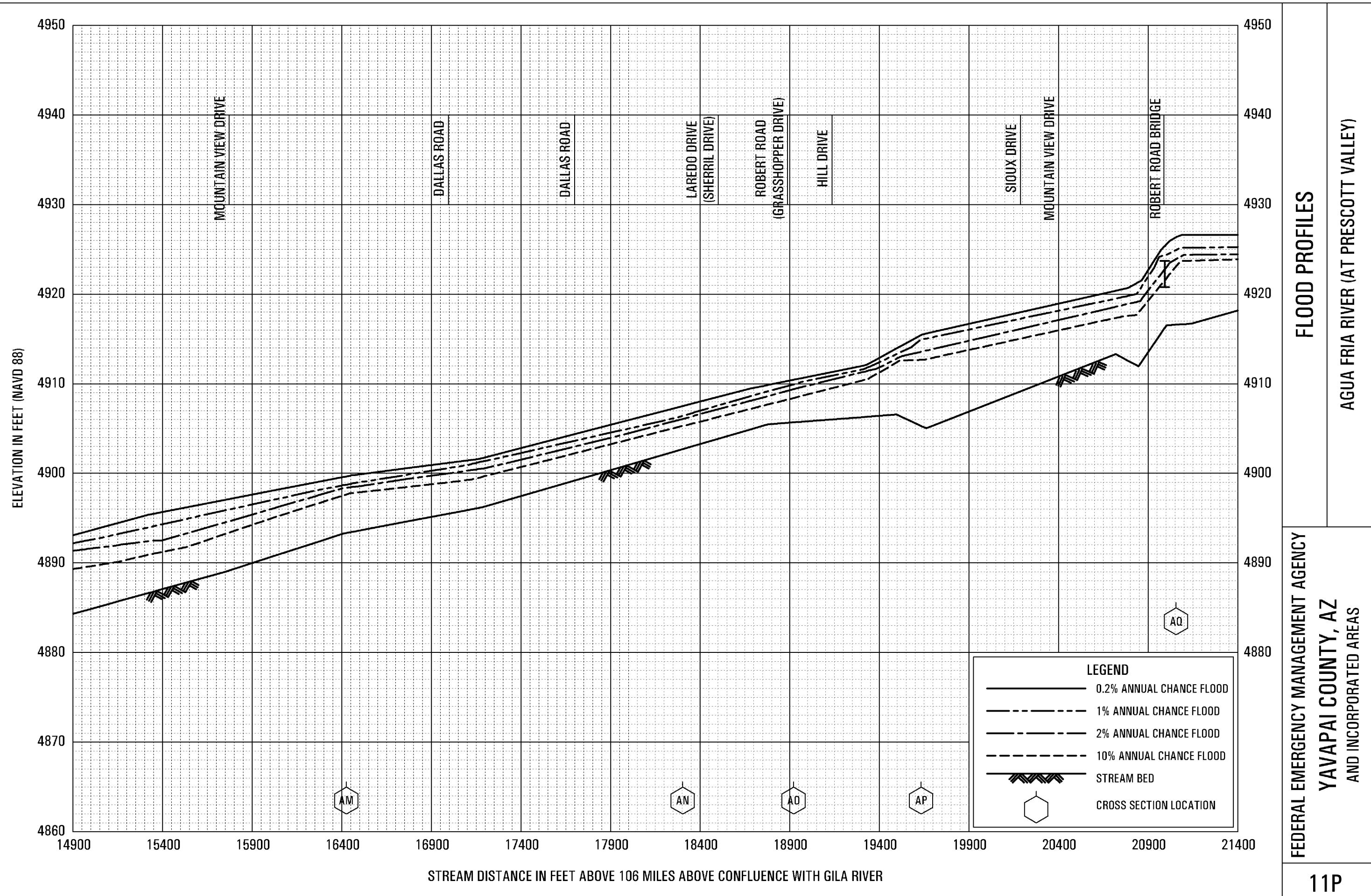
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YAVAPAI COUNTY, AZ  
AND INCORPORATED AREAS

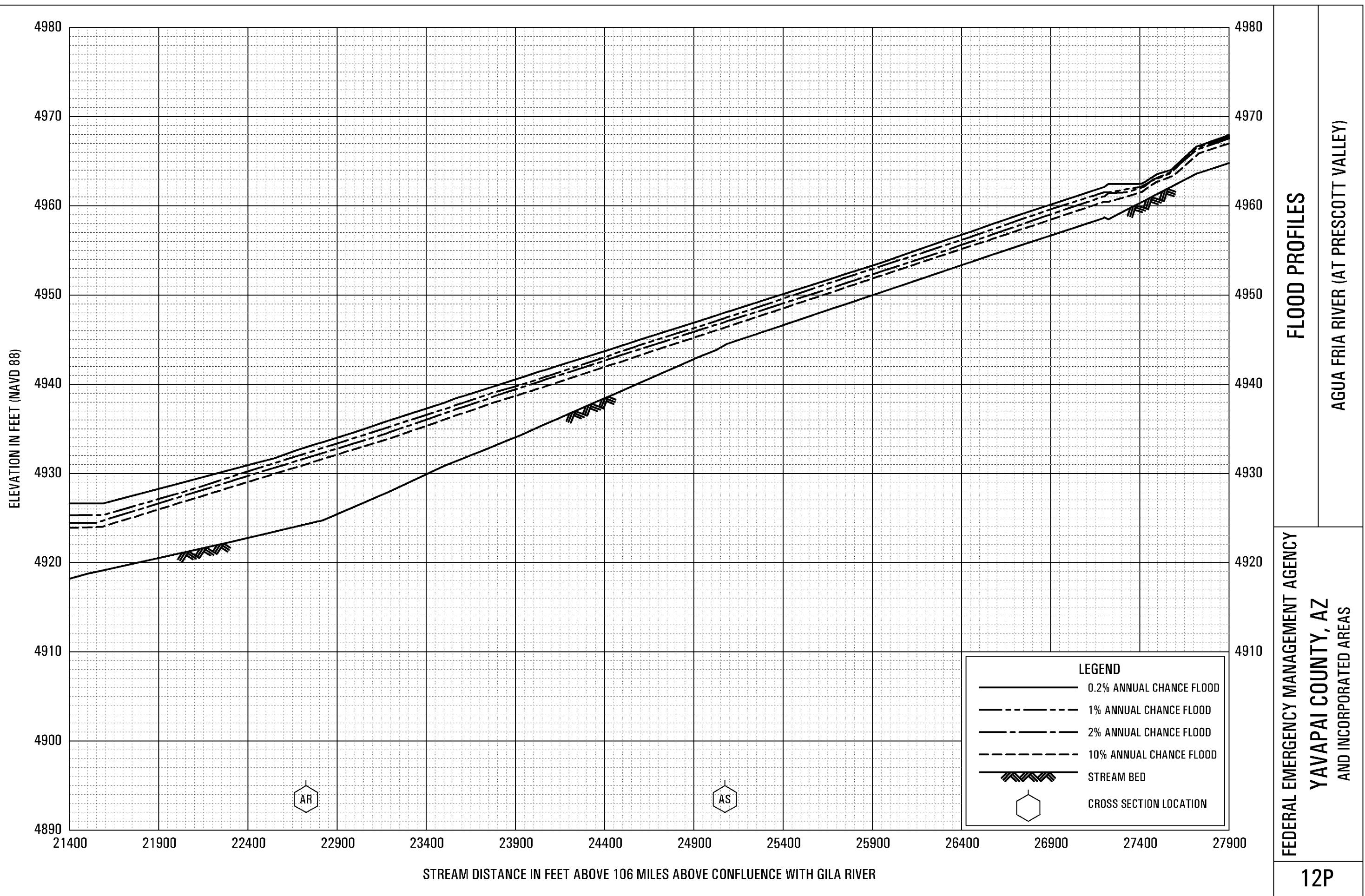
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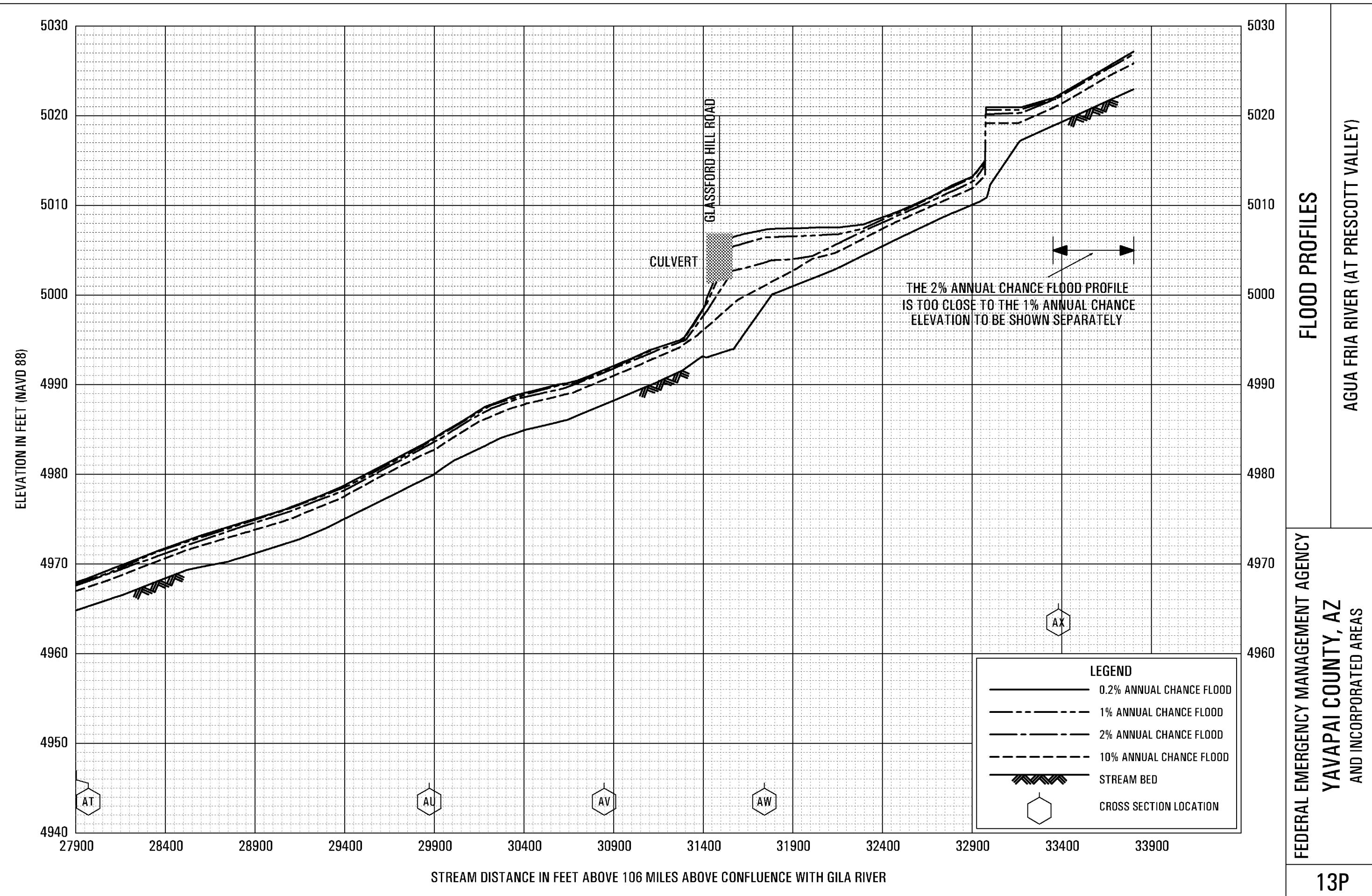


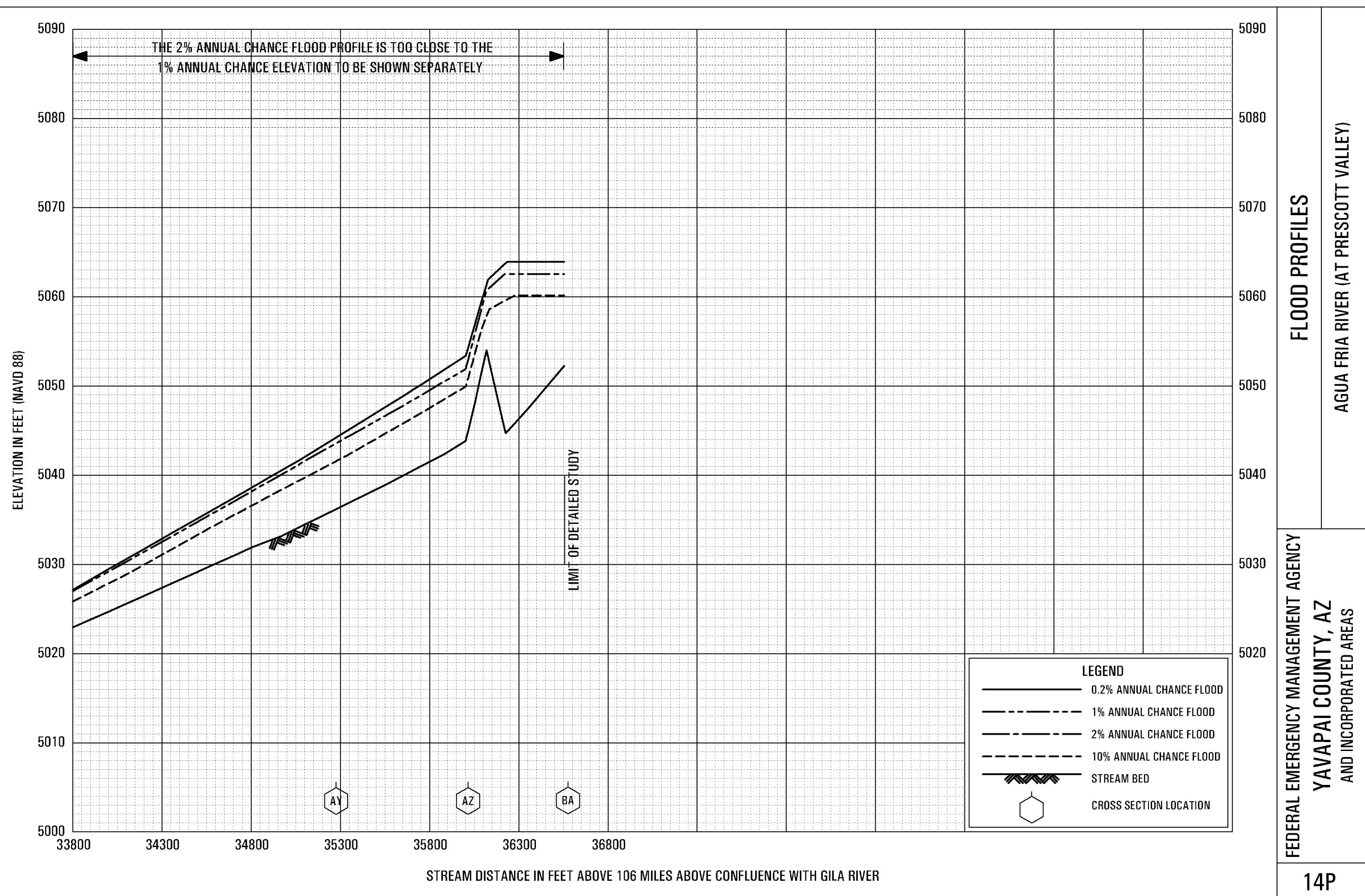


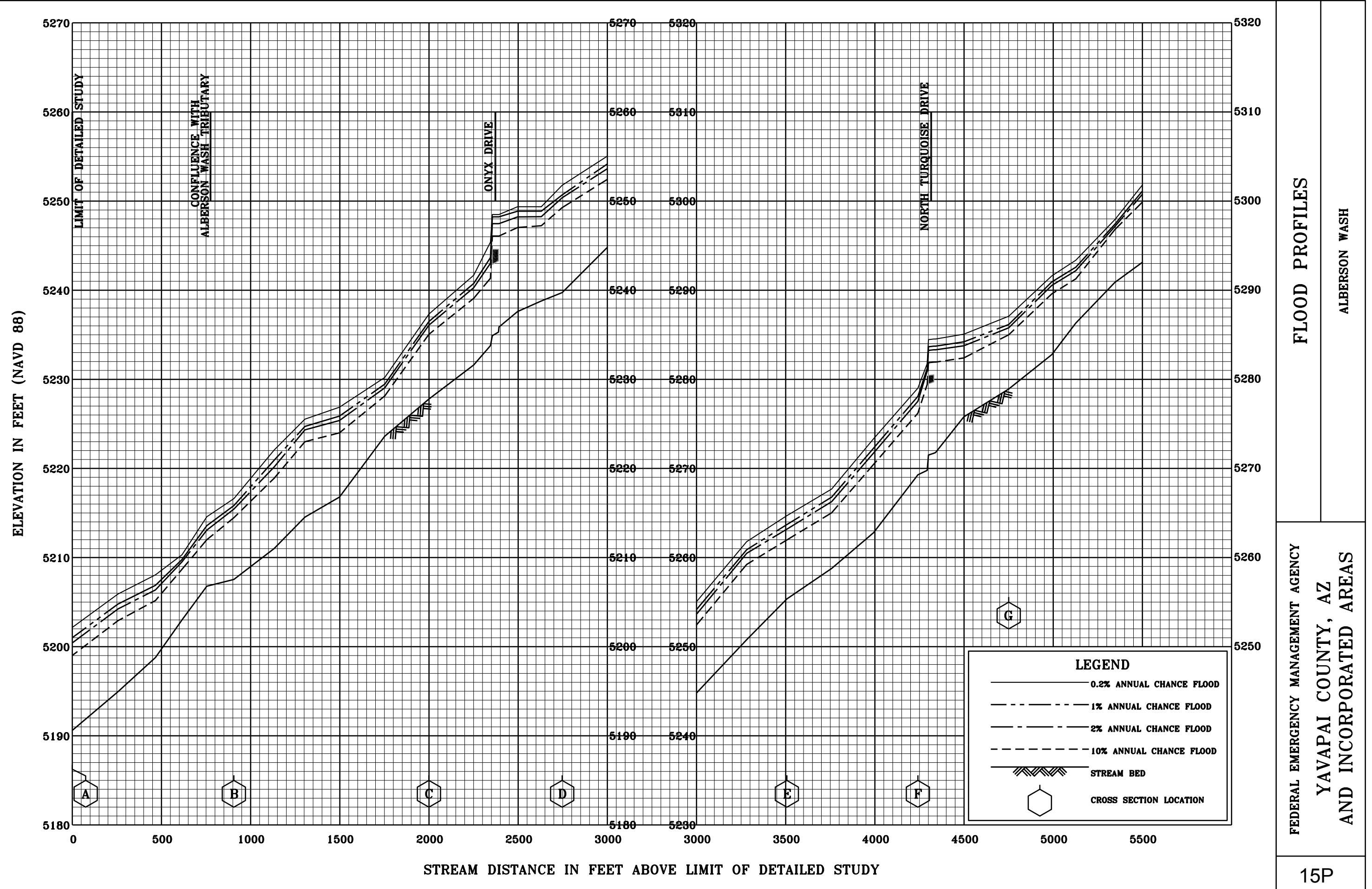


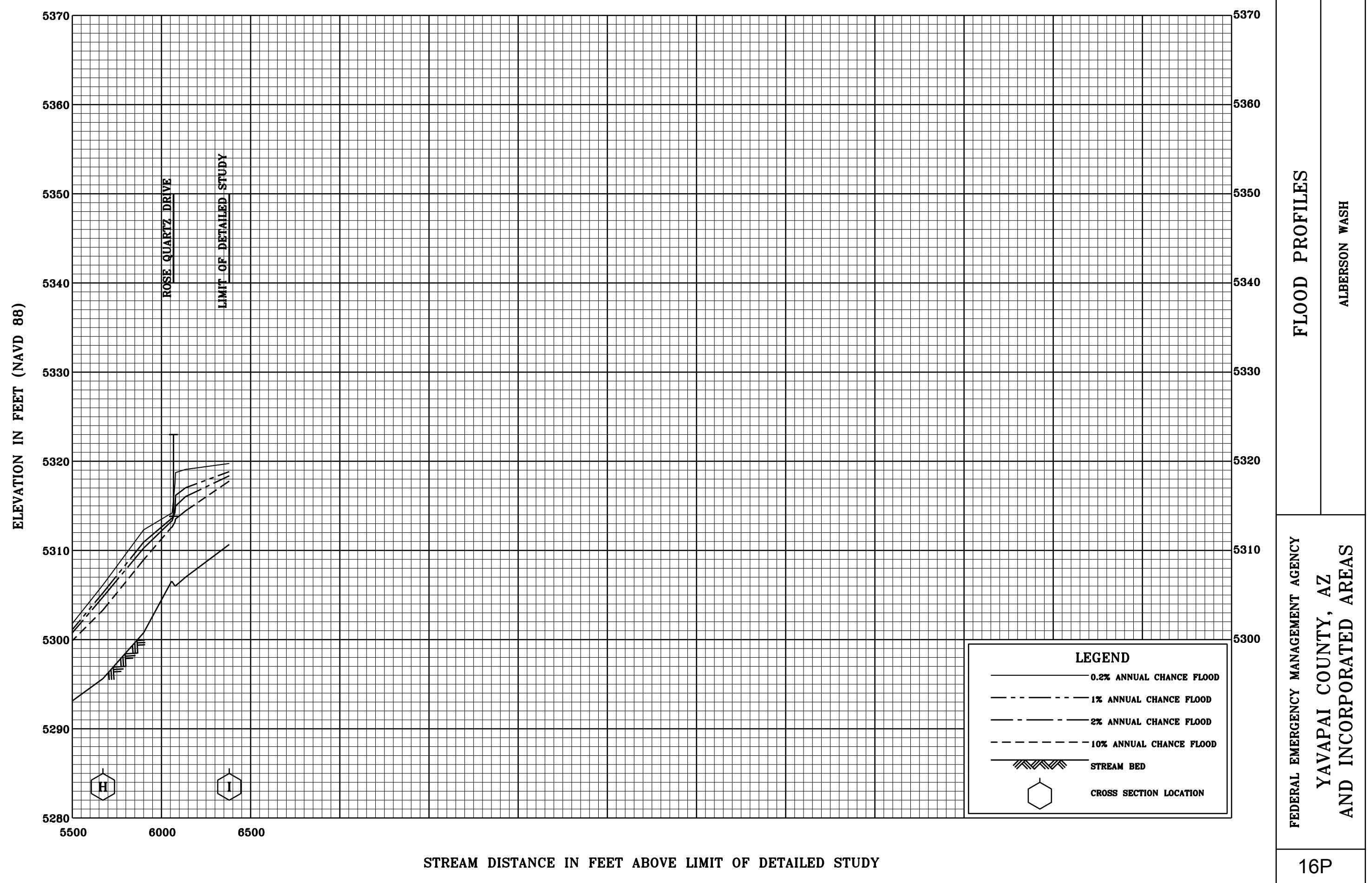


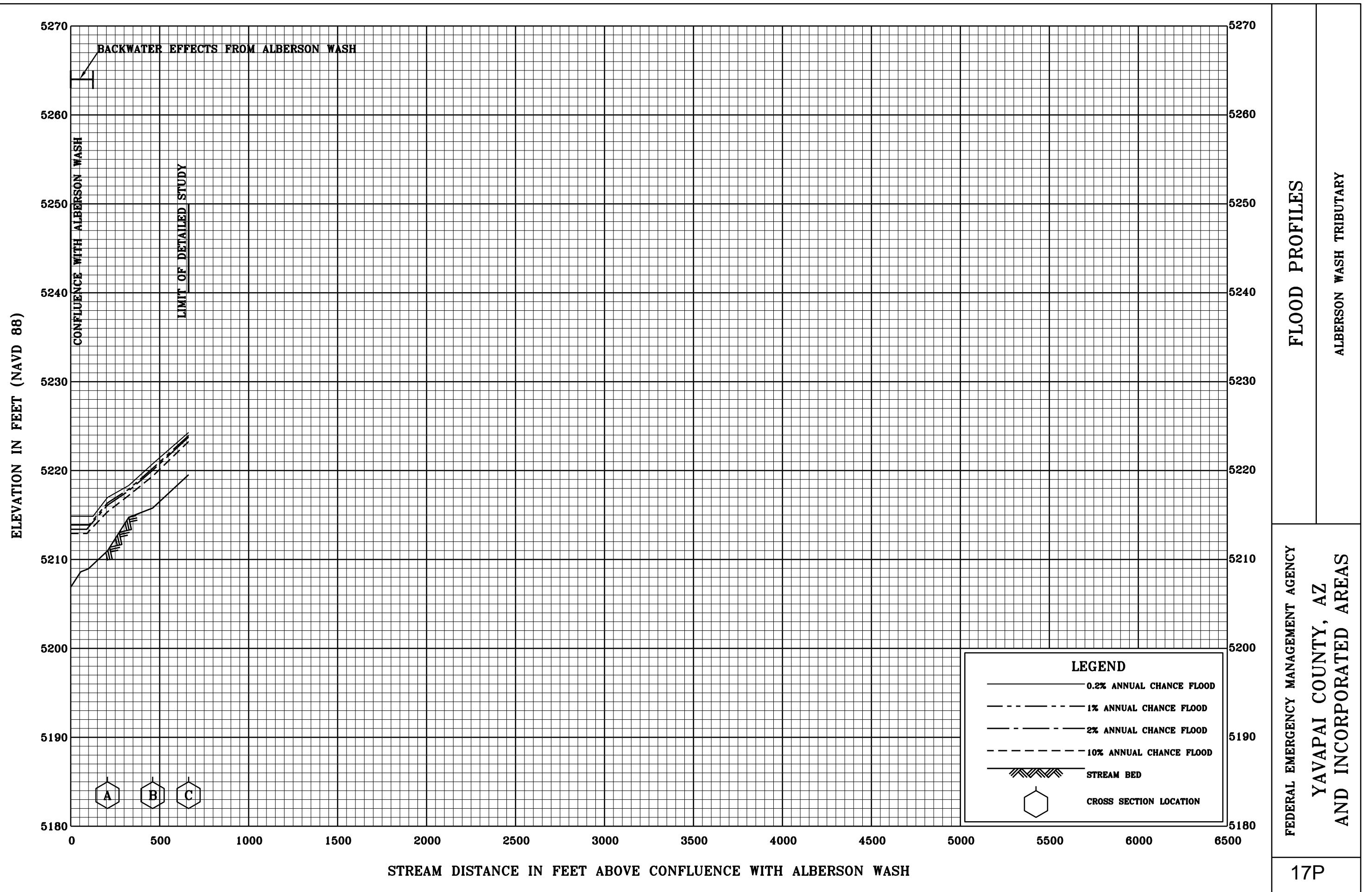


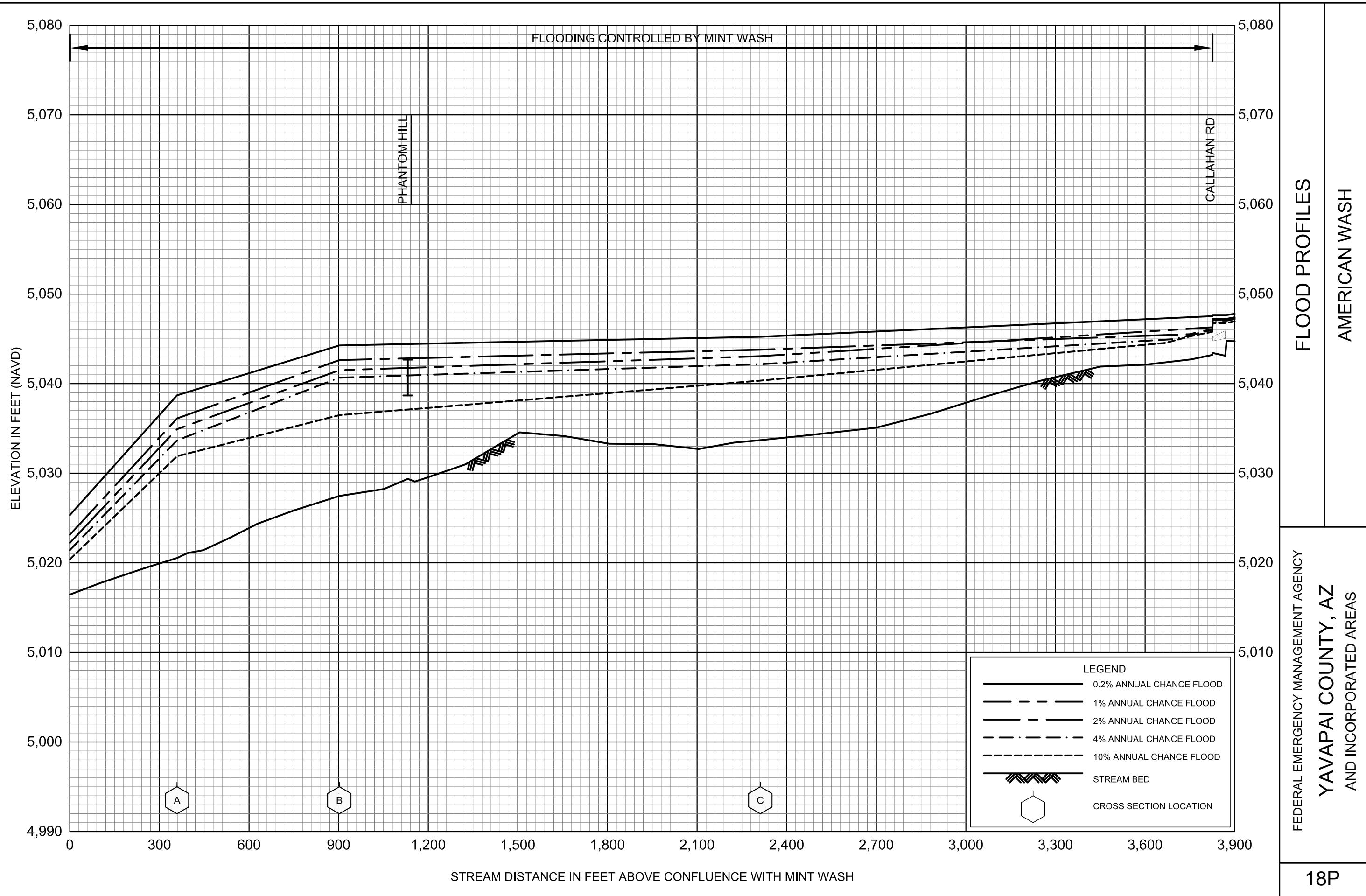


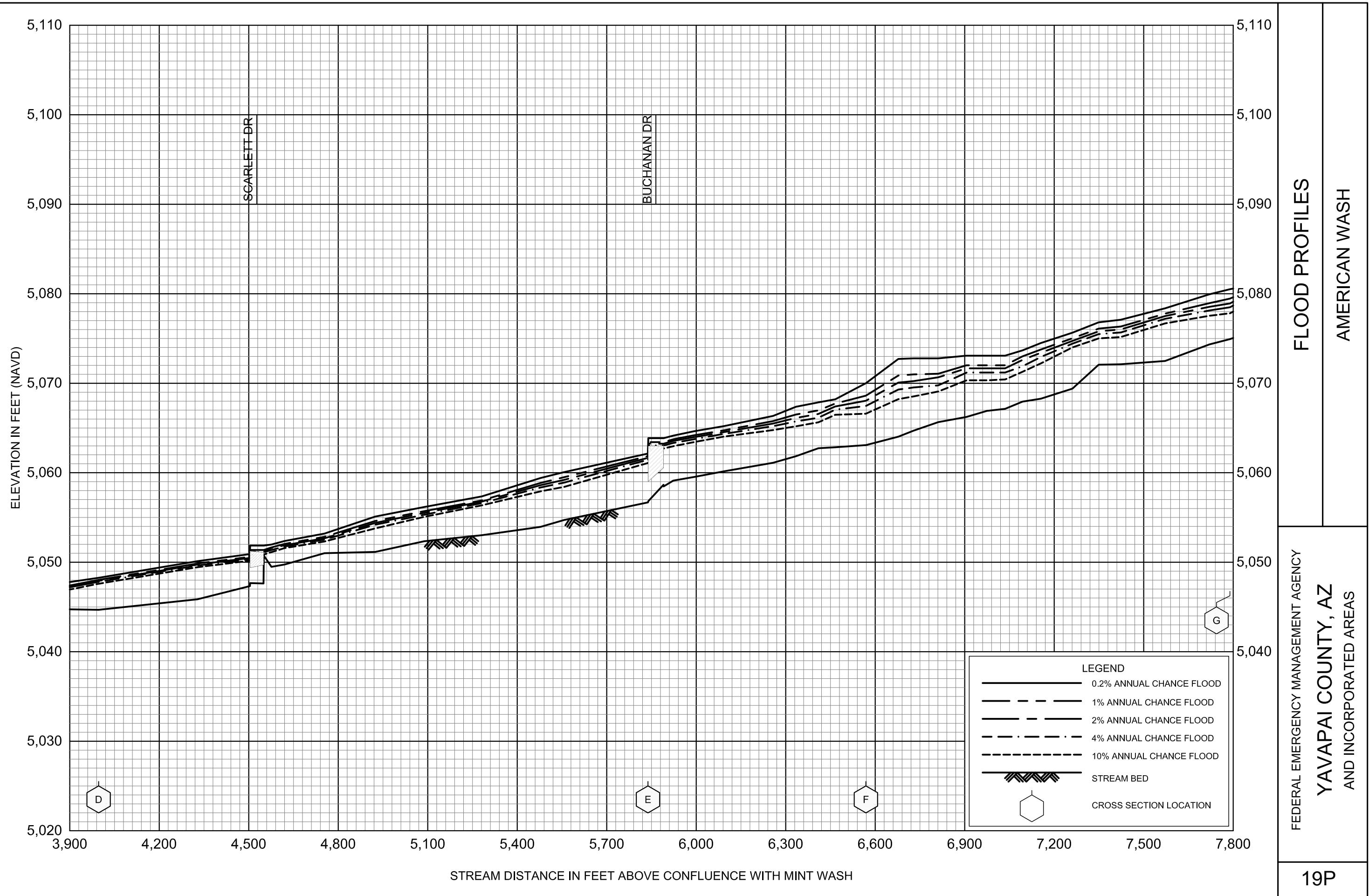


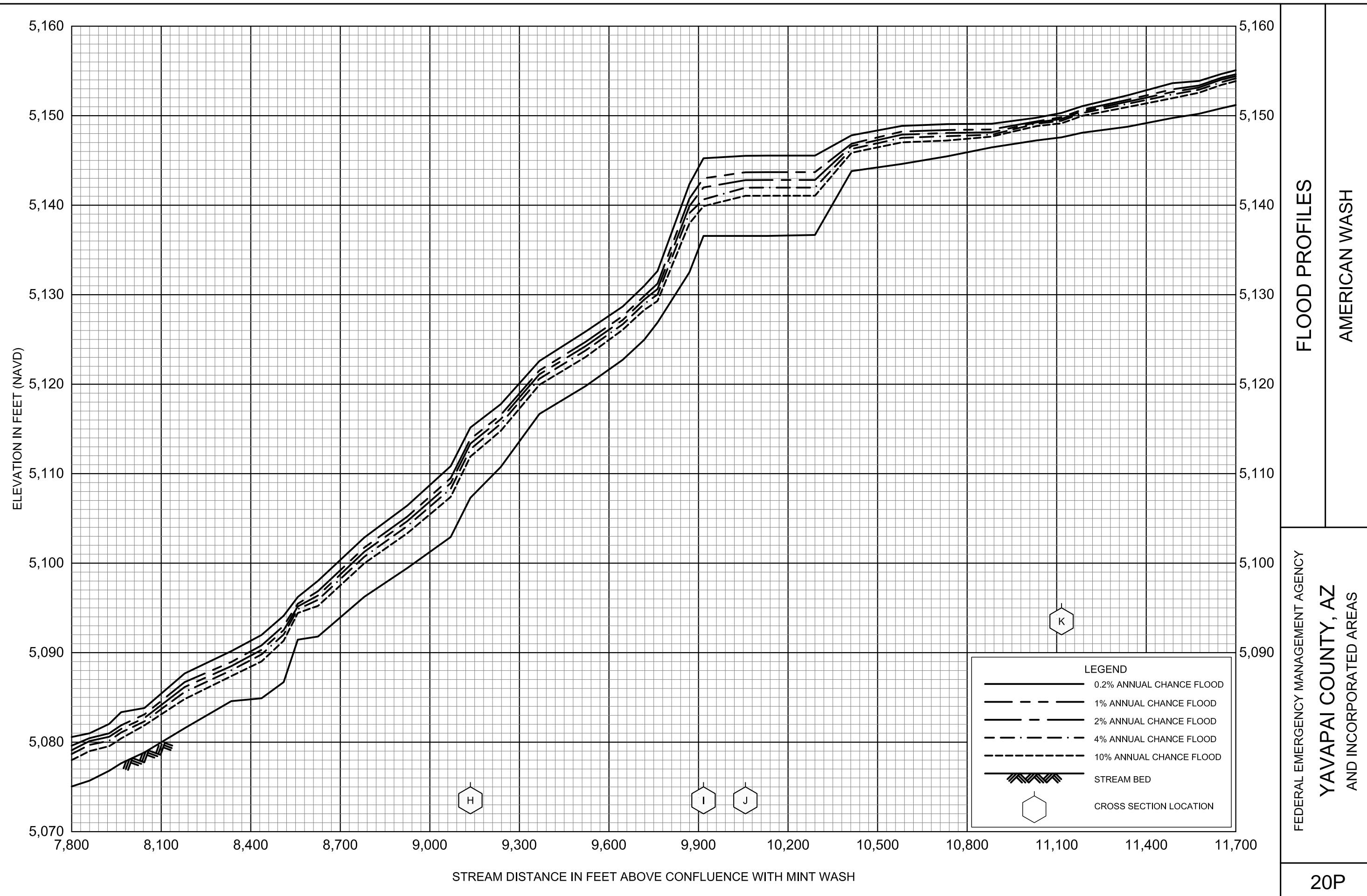


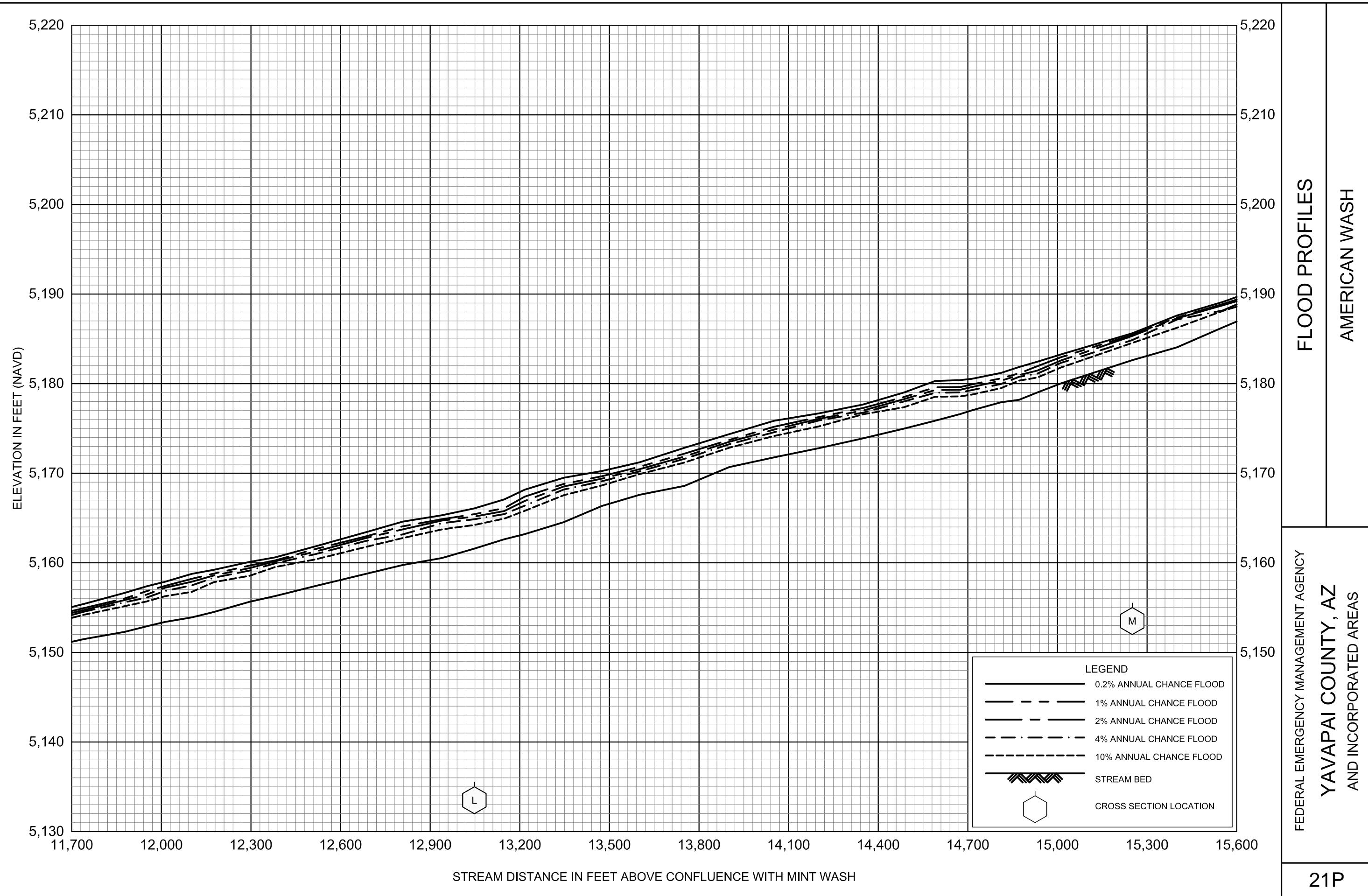


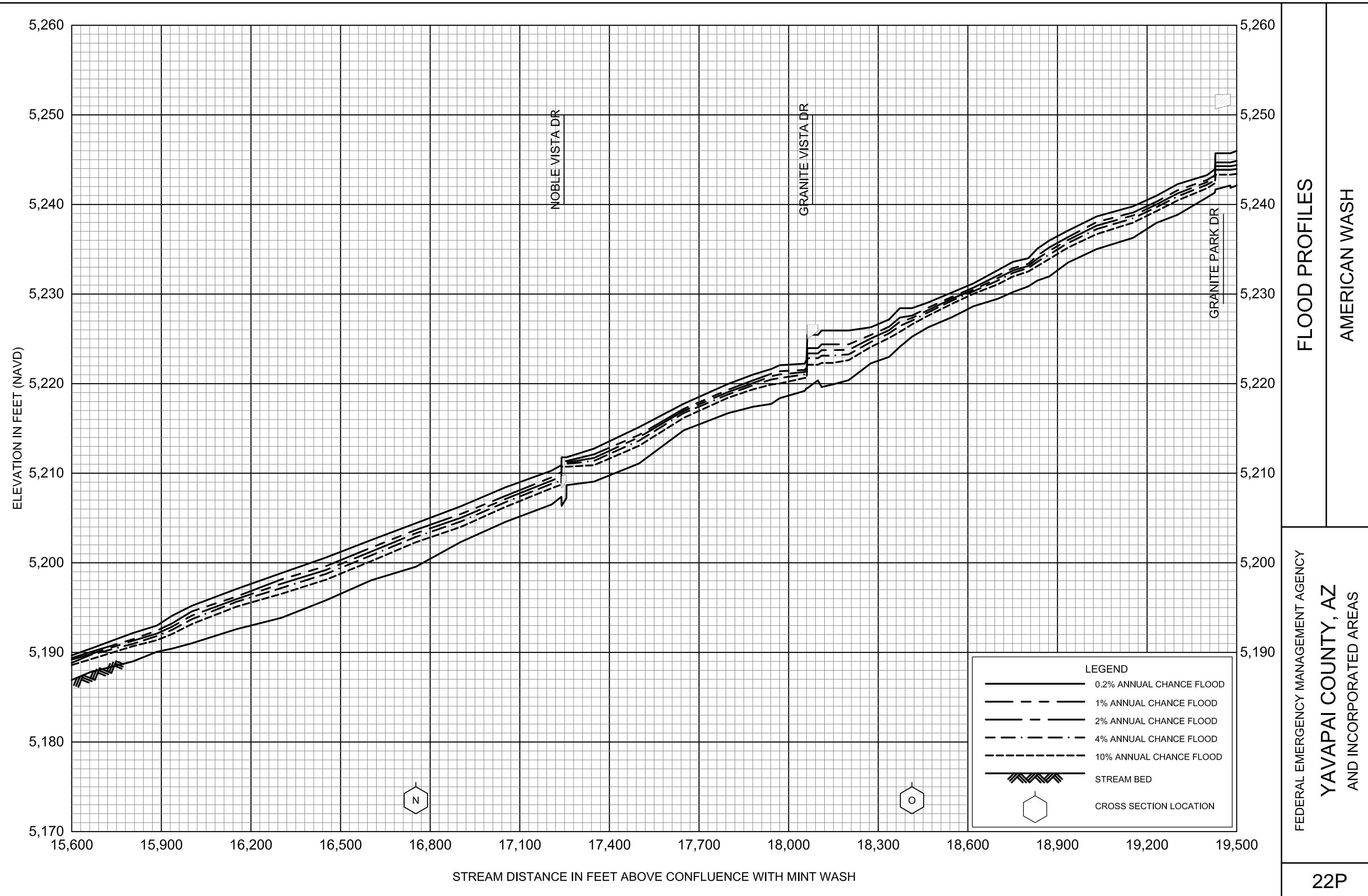


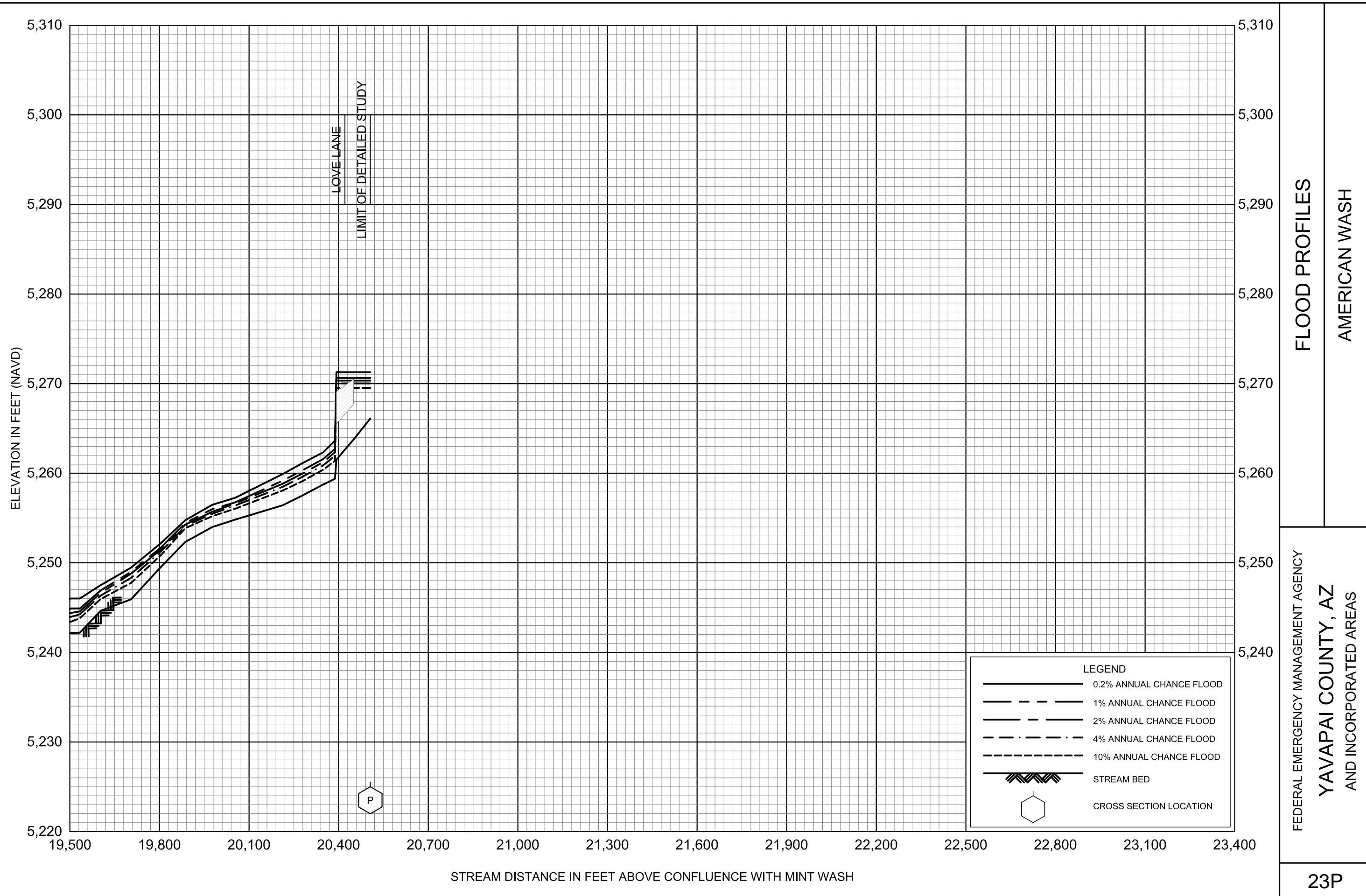


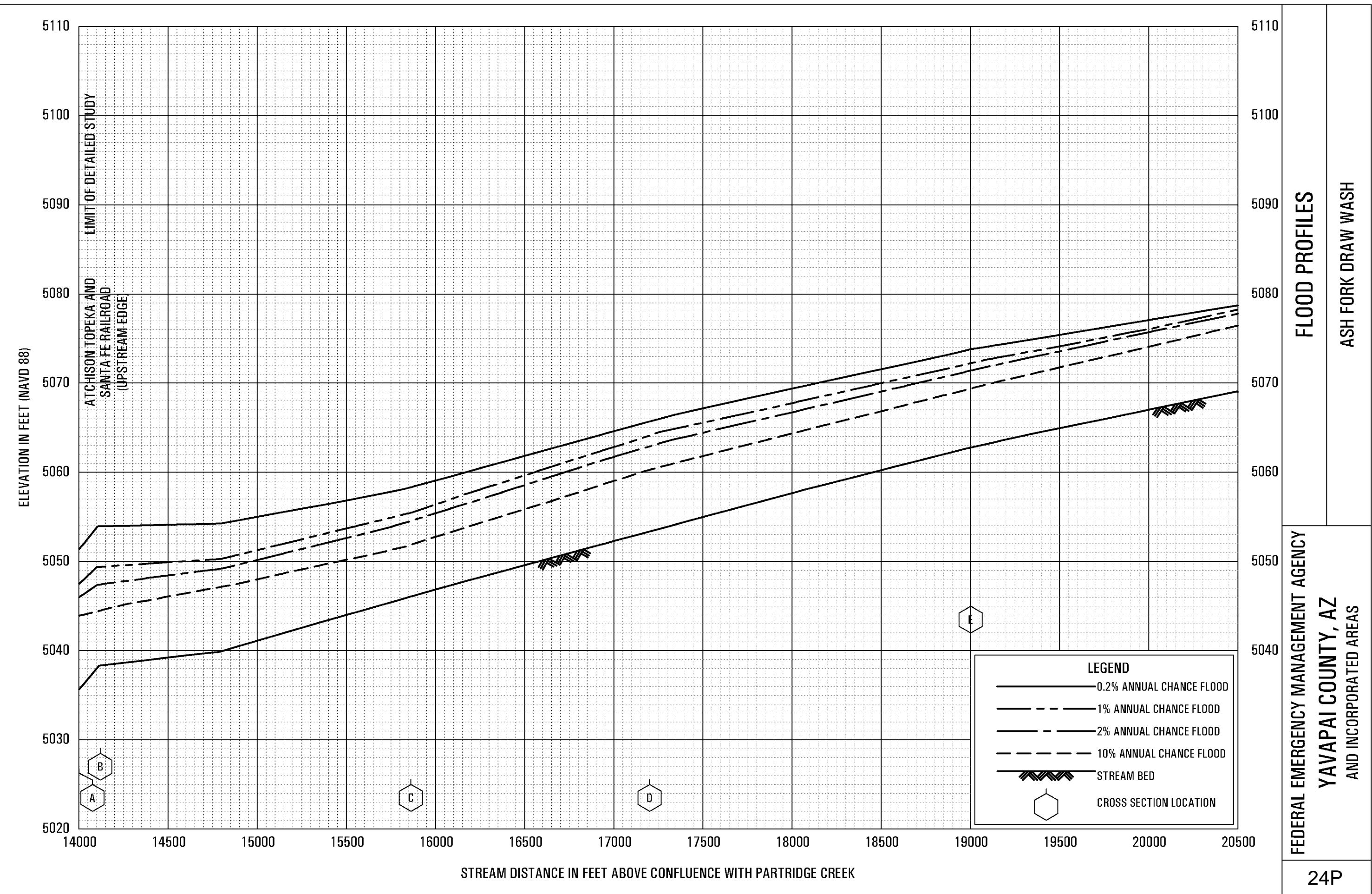


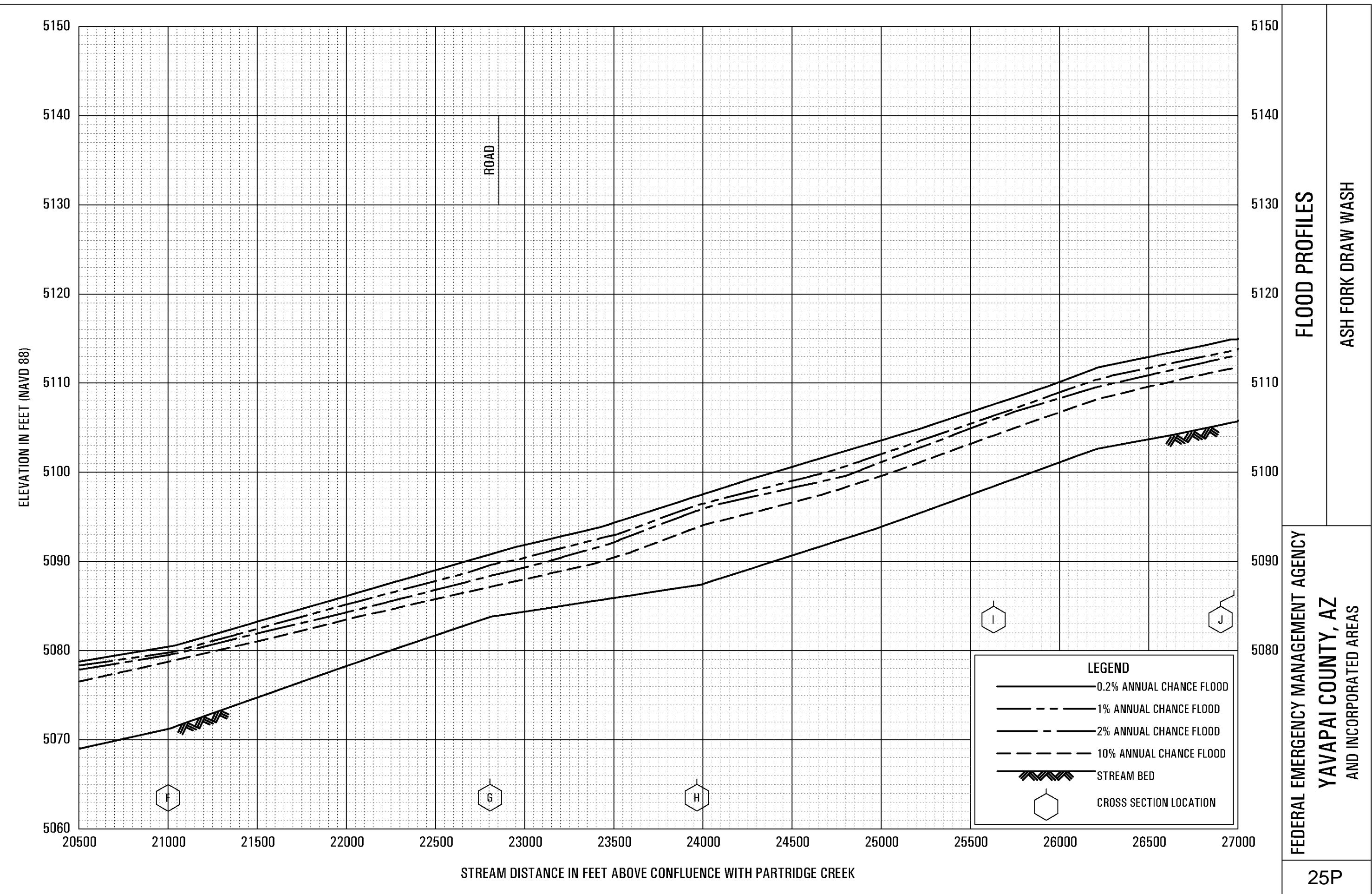




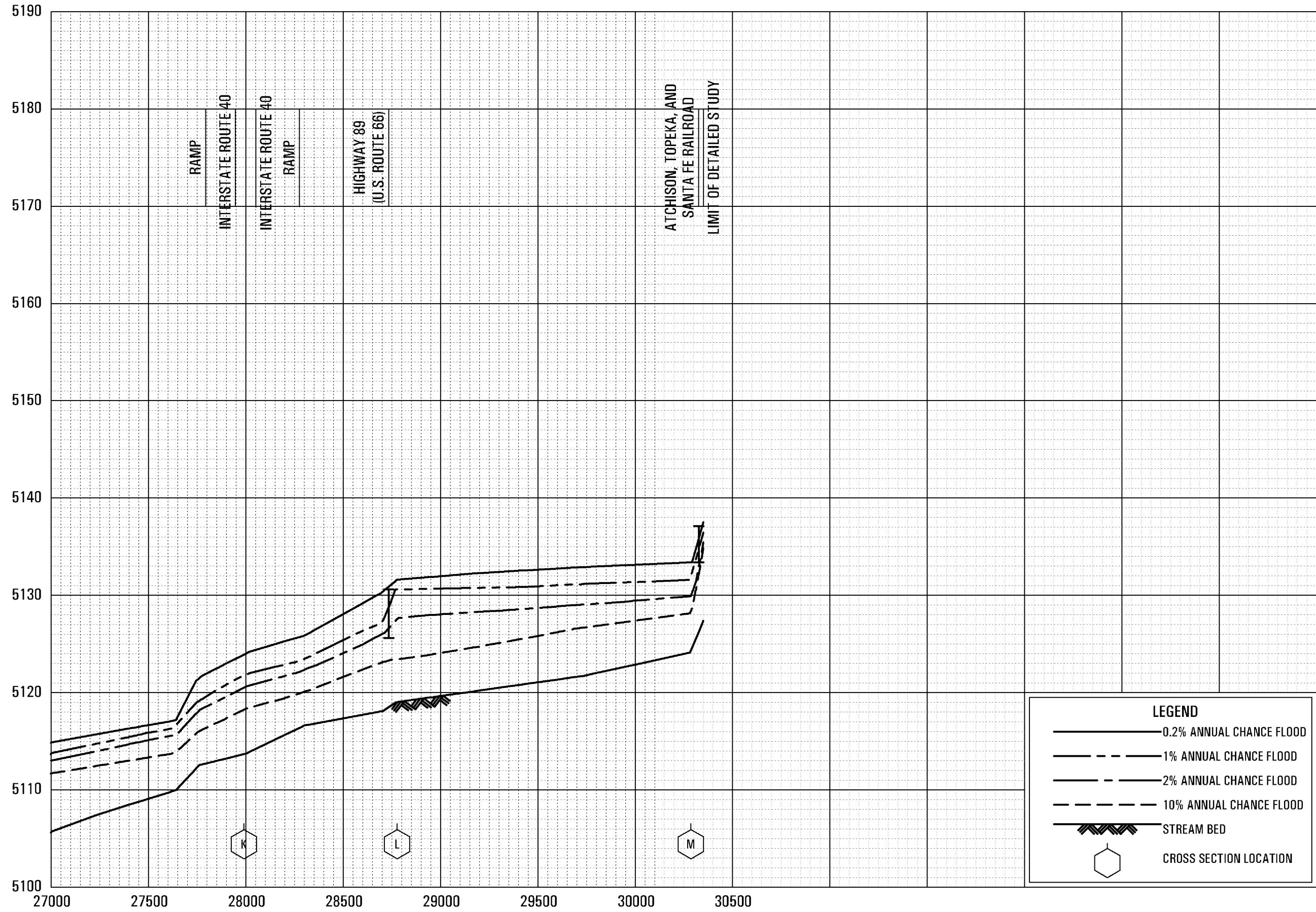








ELEVATION IN FEET (NAVD 88)

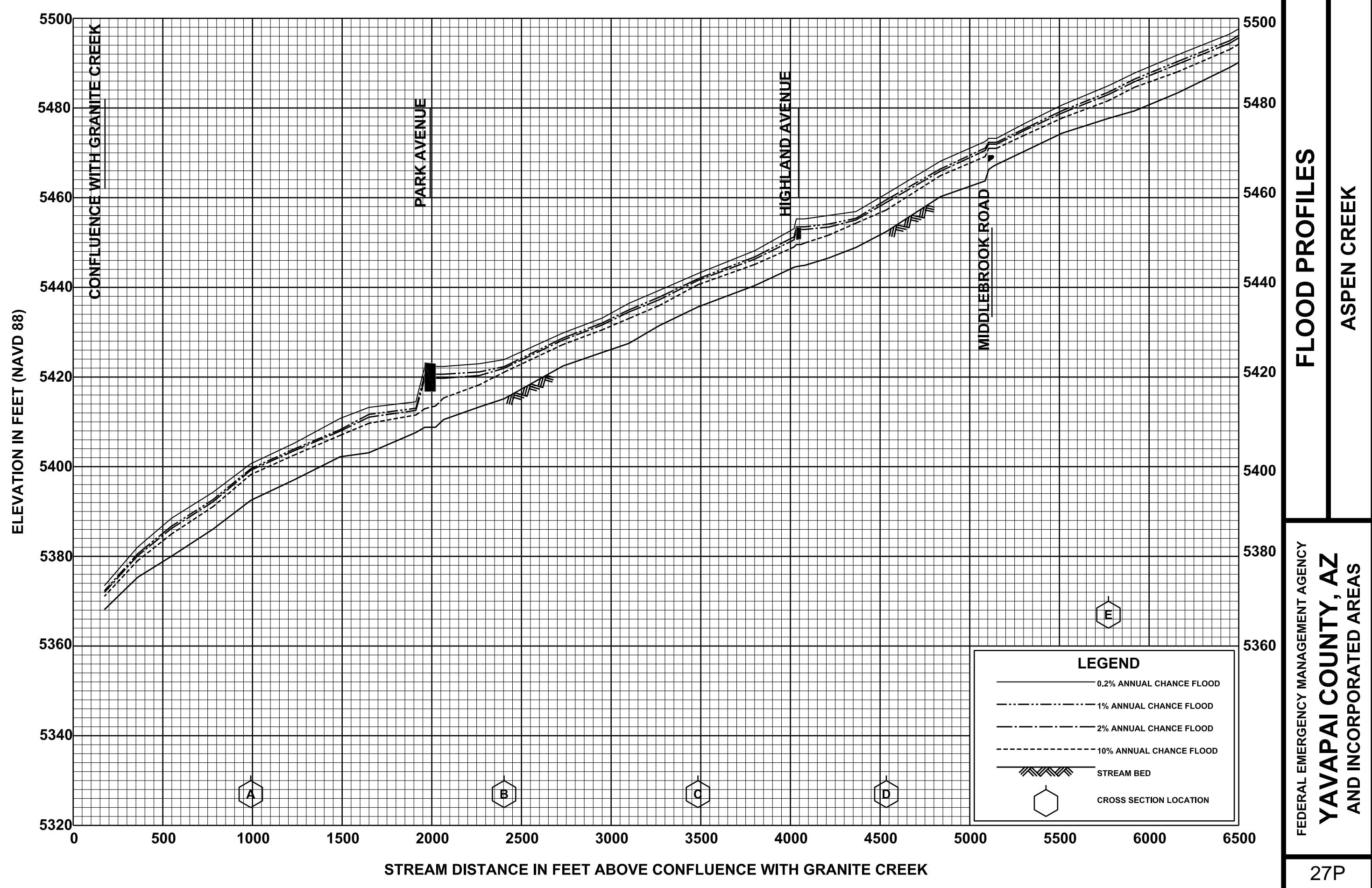


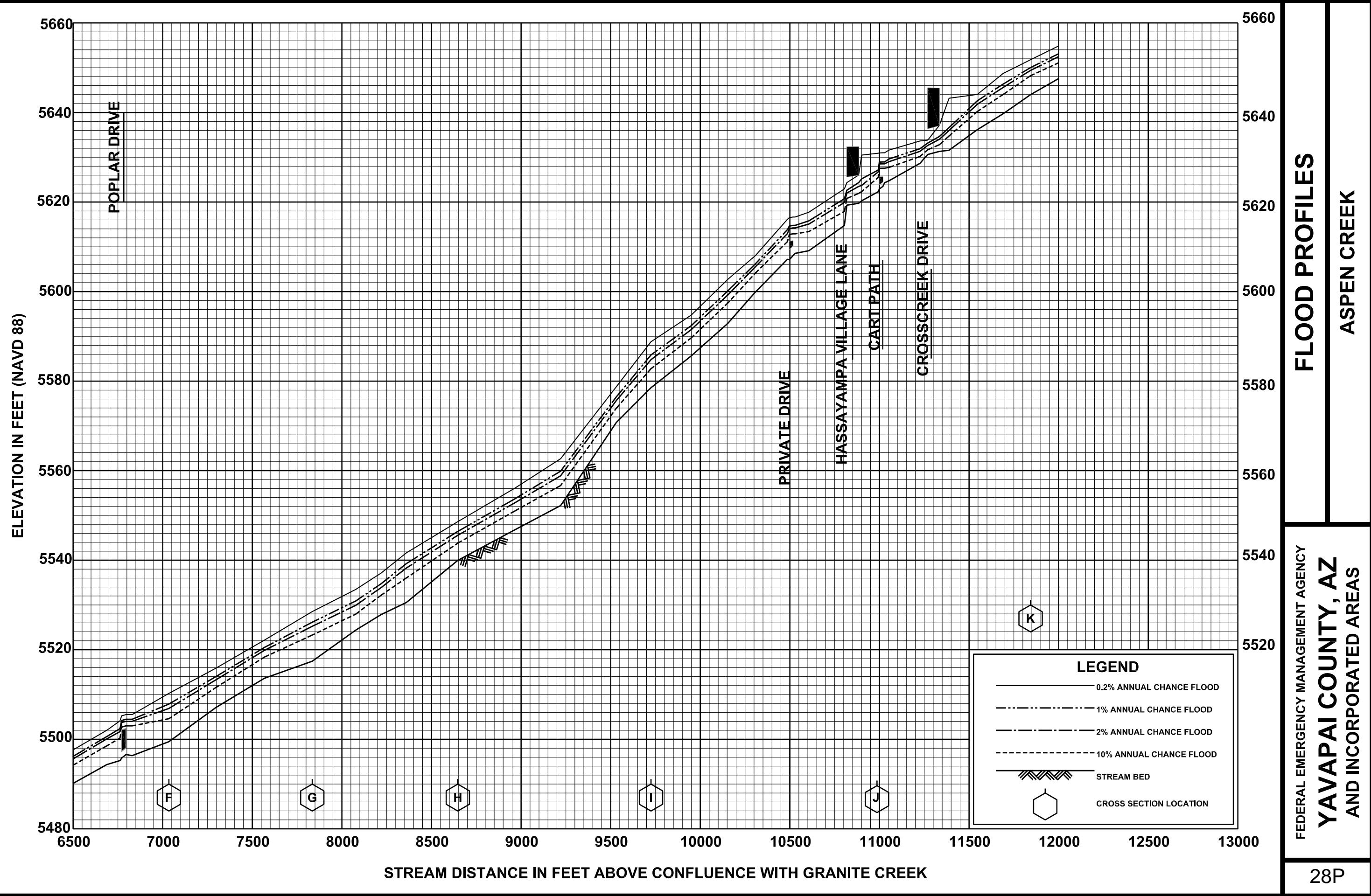
FEDERAL EMERGENCY MANAGEMENT AGENCY  
YAVAPAI COUNTY, AZ  
AND INCORPORATED AREAS

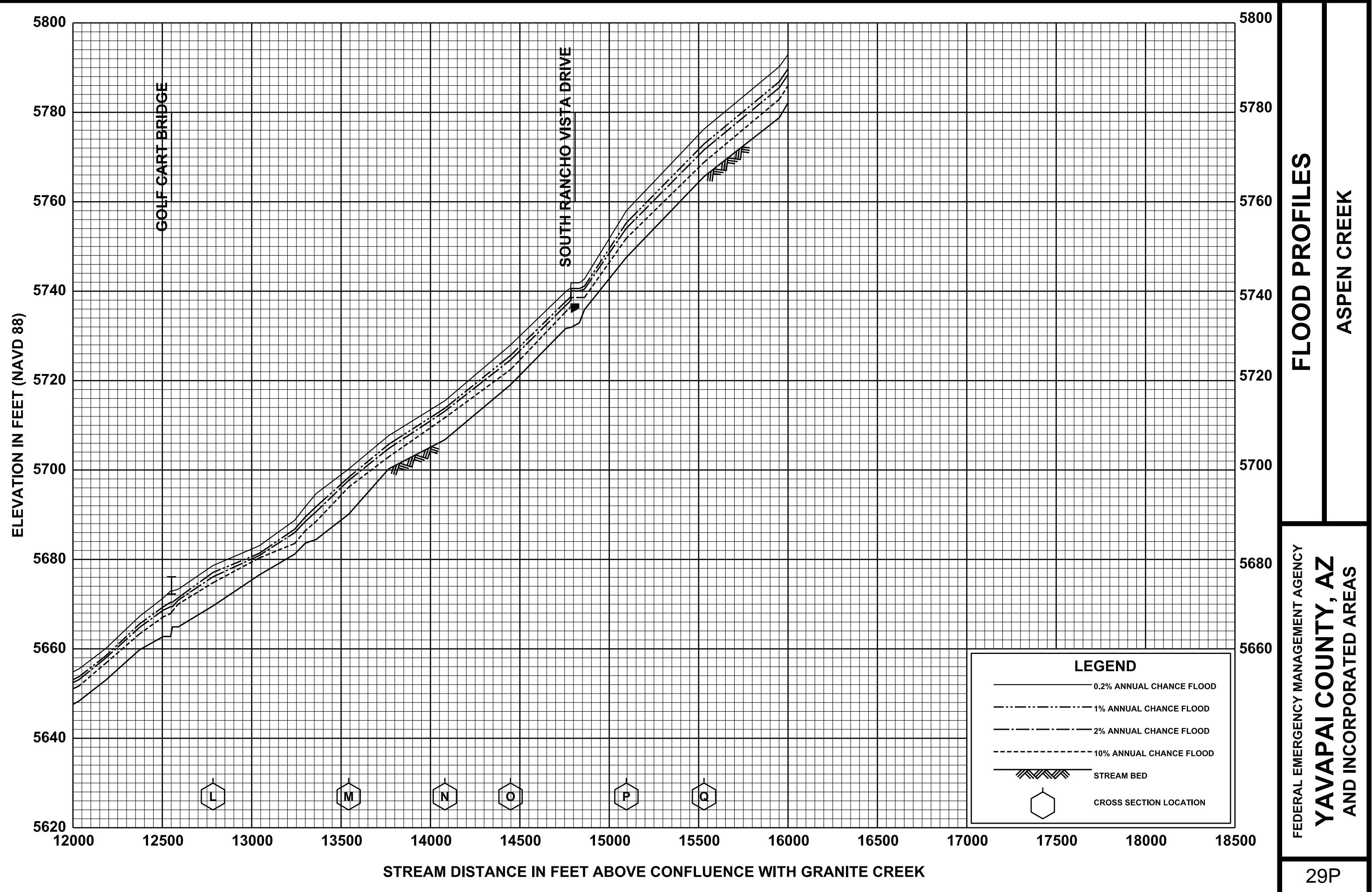
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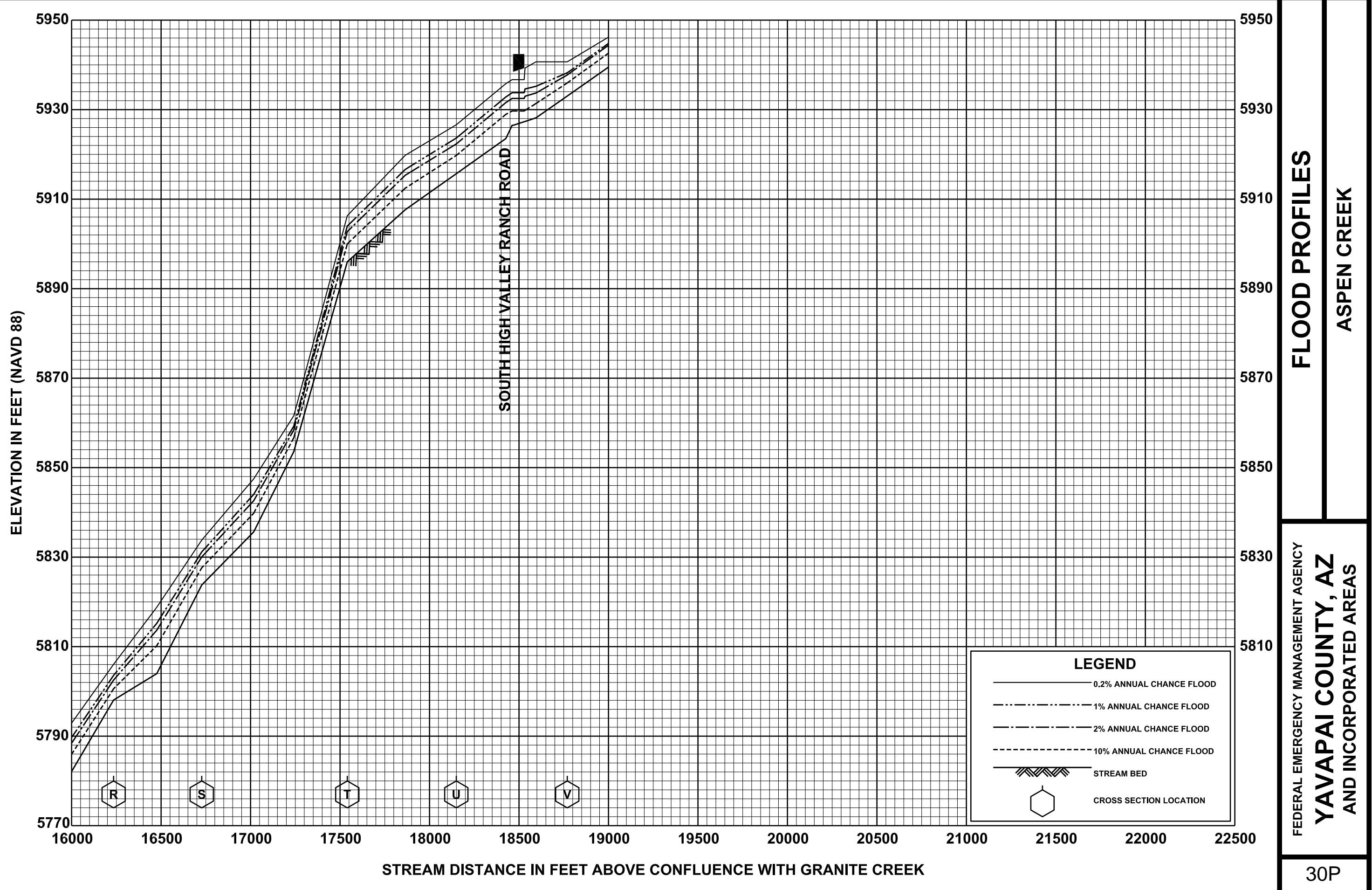
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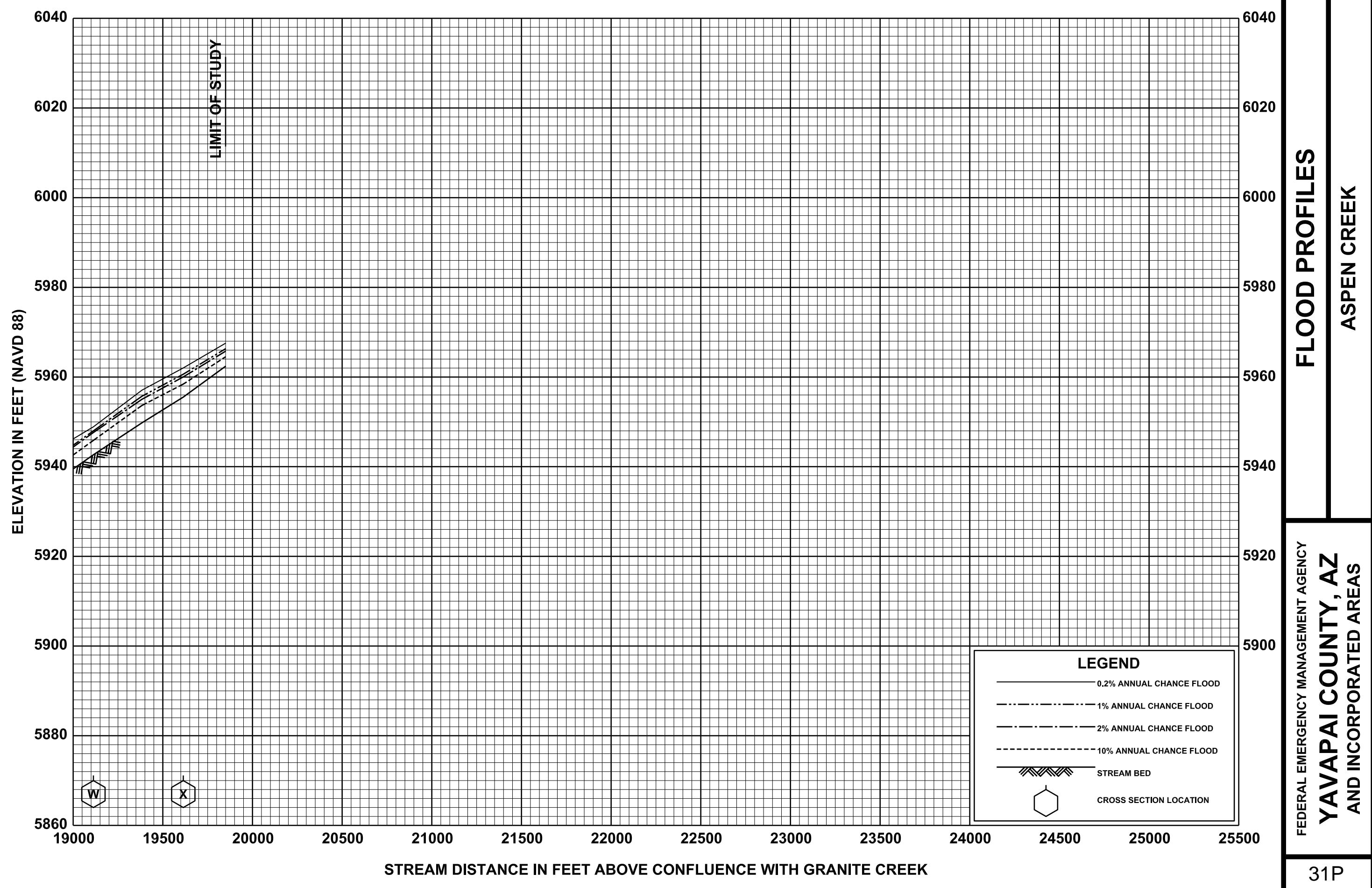
FLOOD PROFILES  
ASH FORK DRAW WASH

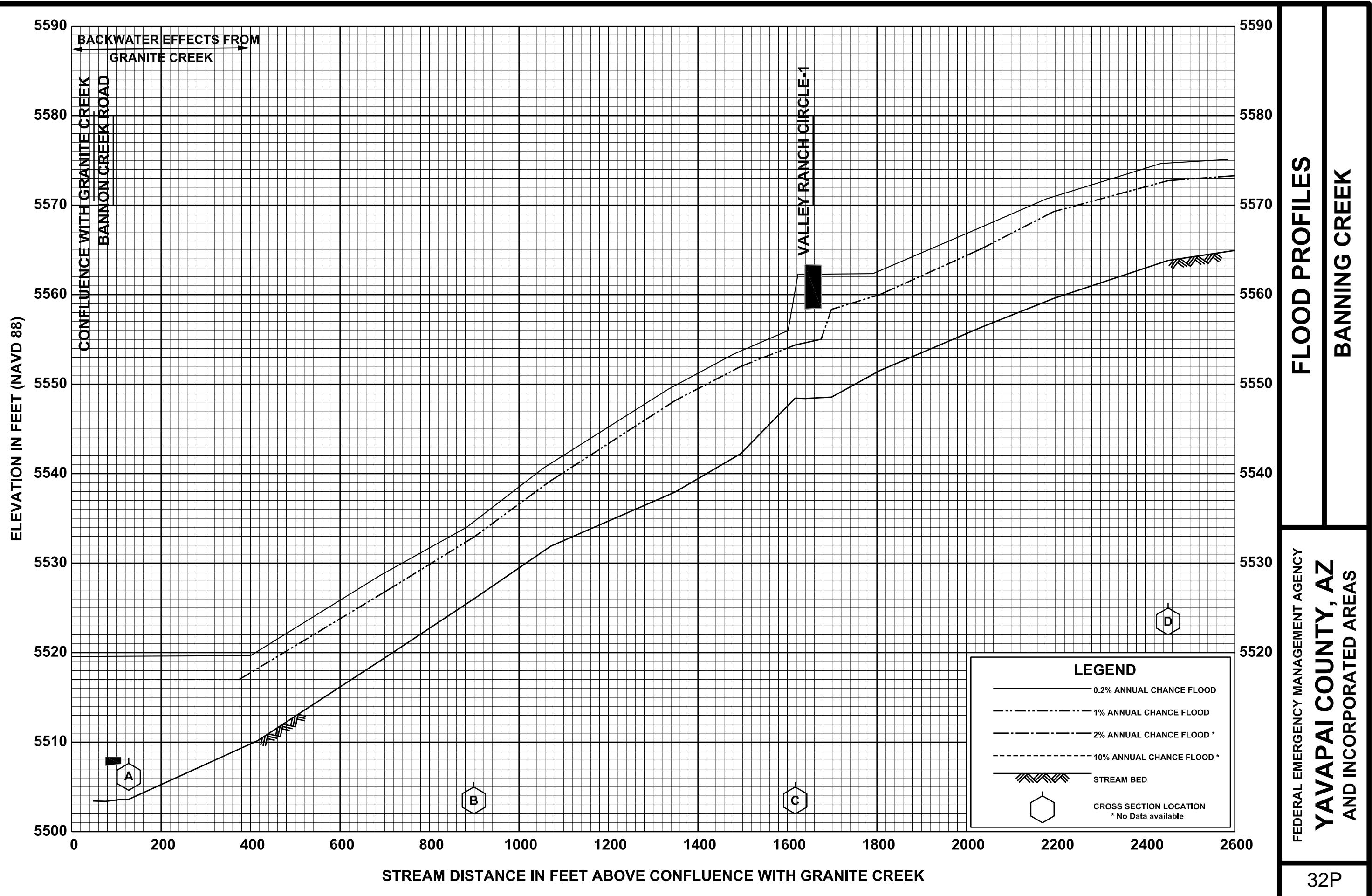


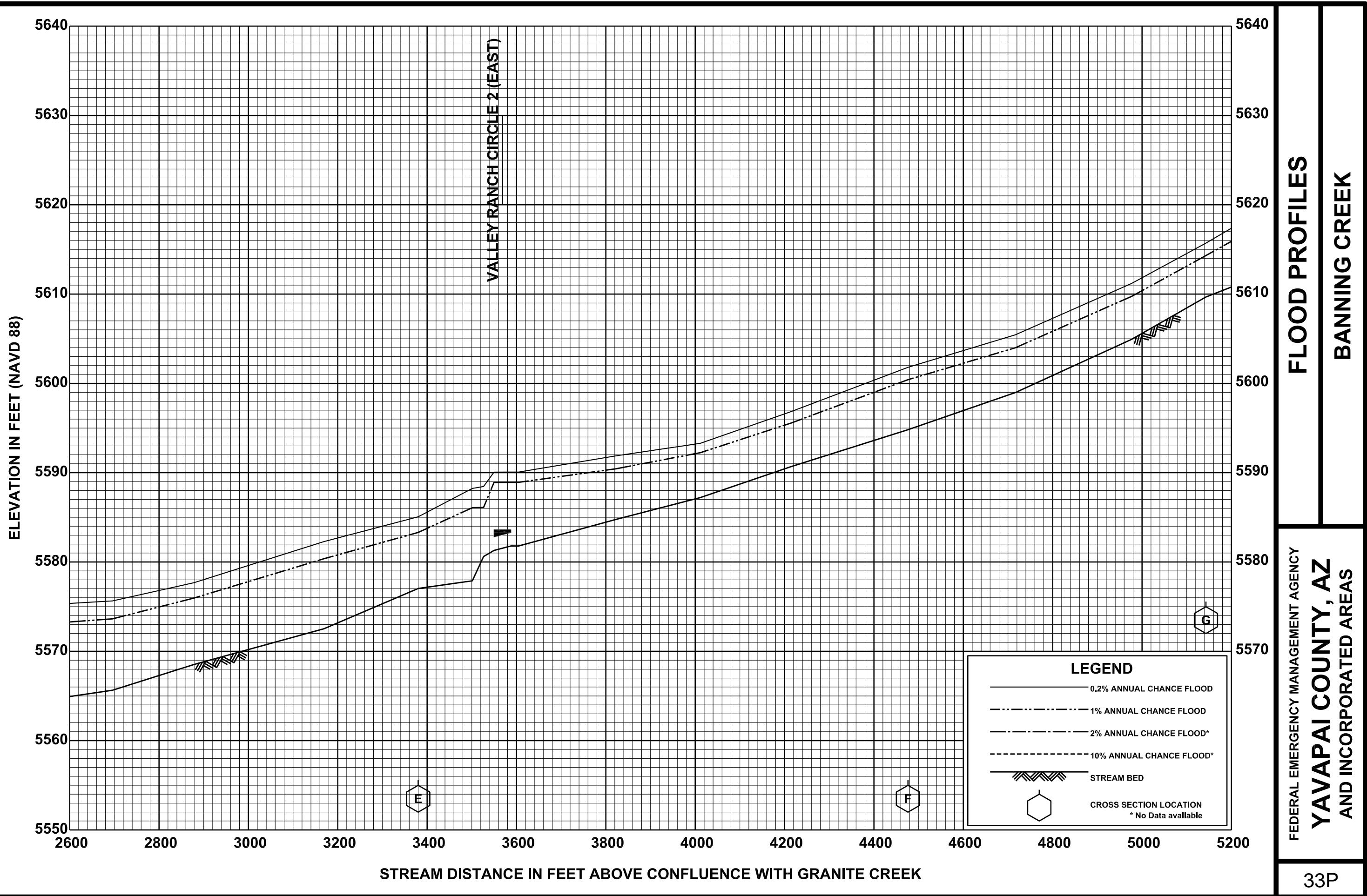


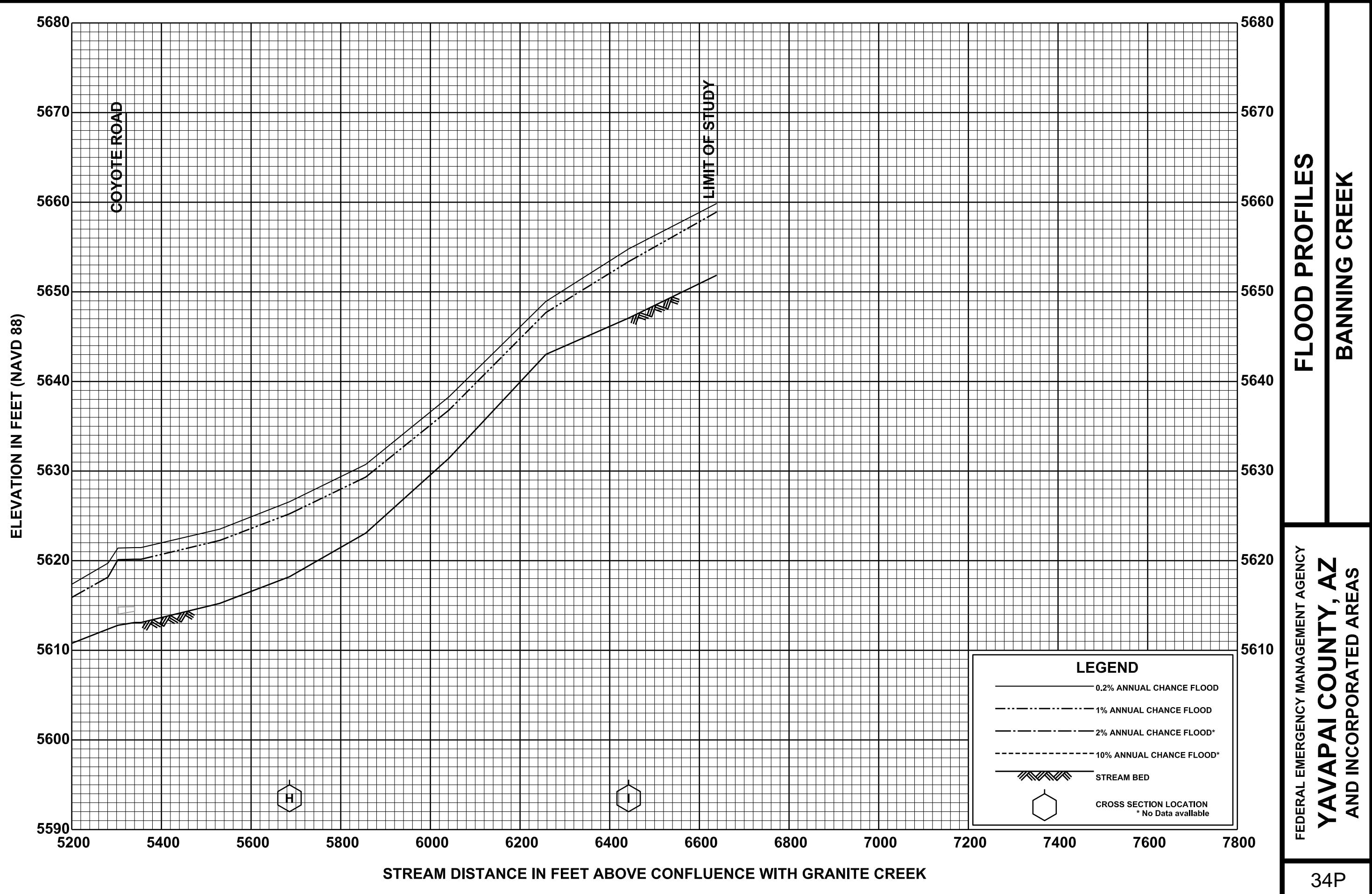


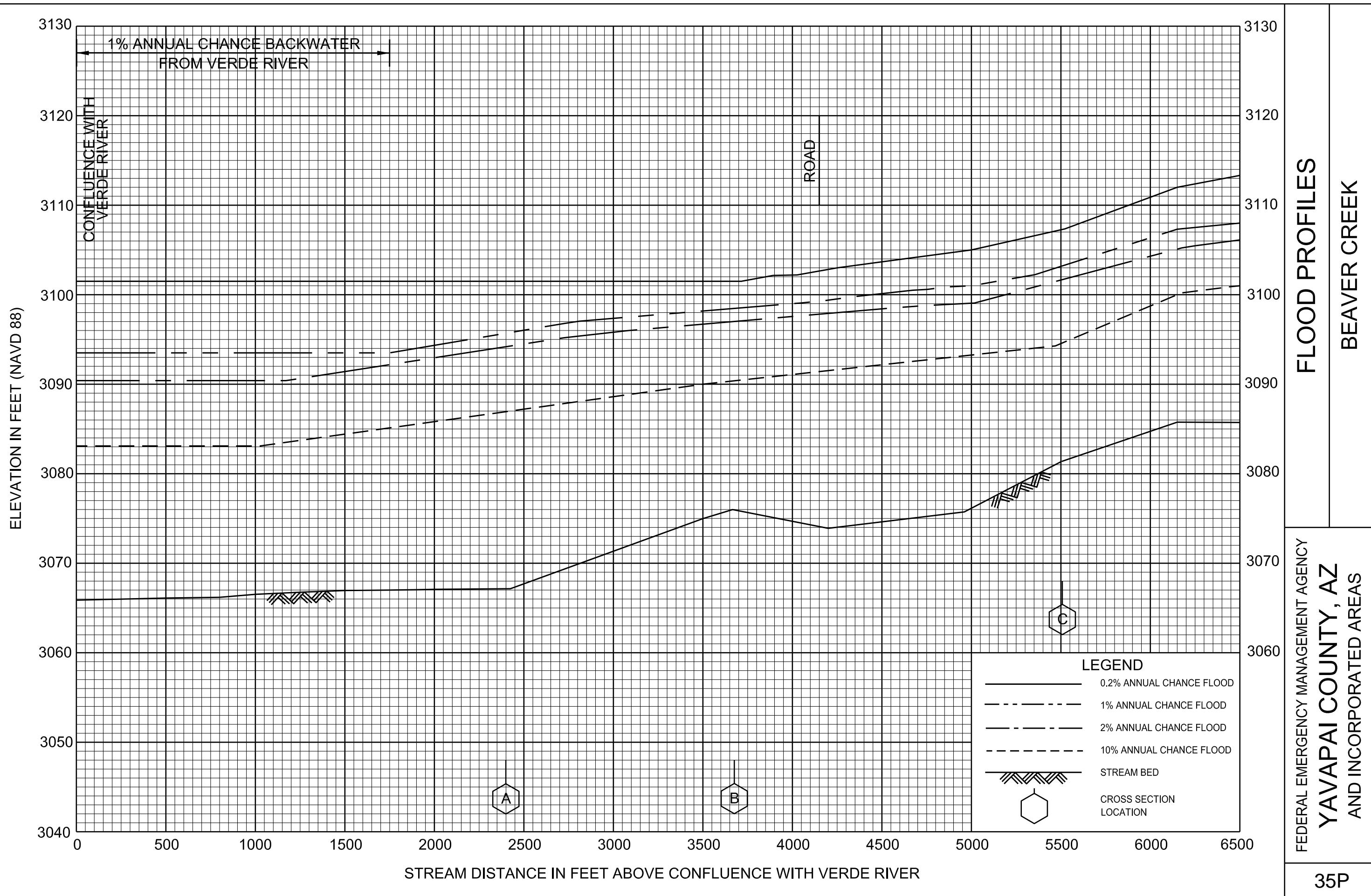


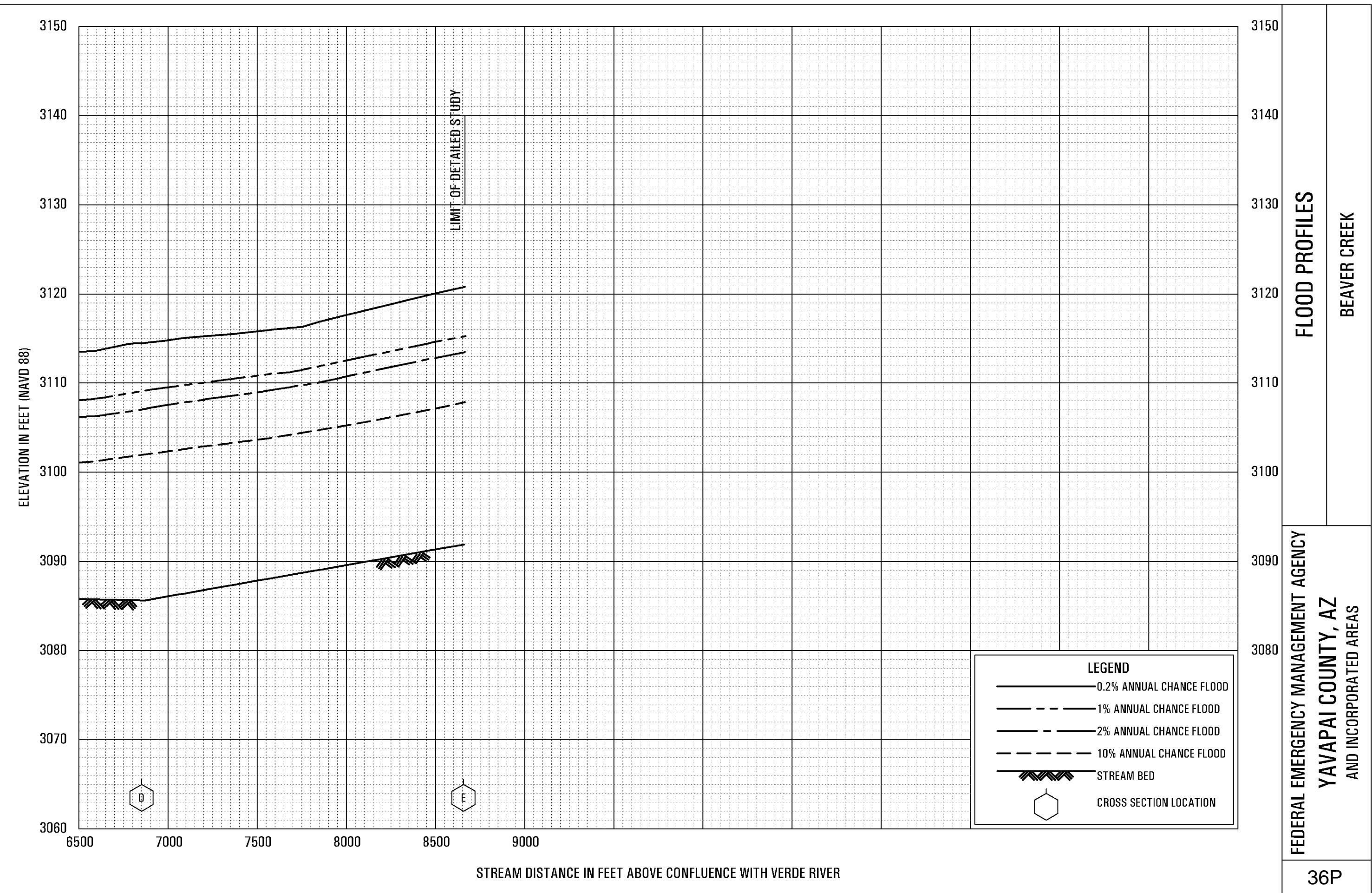




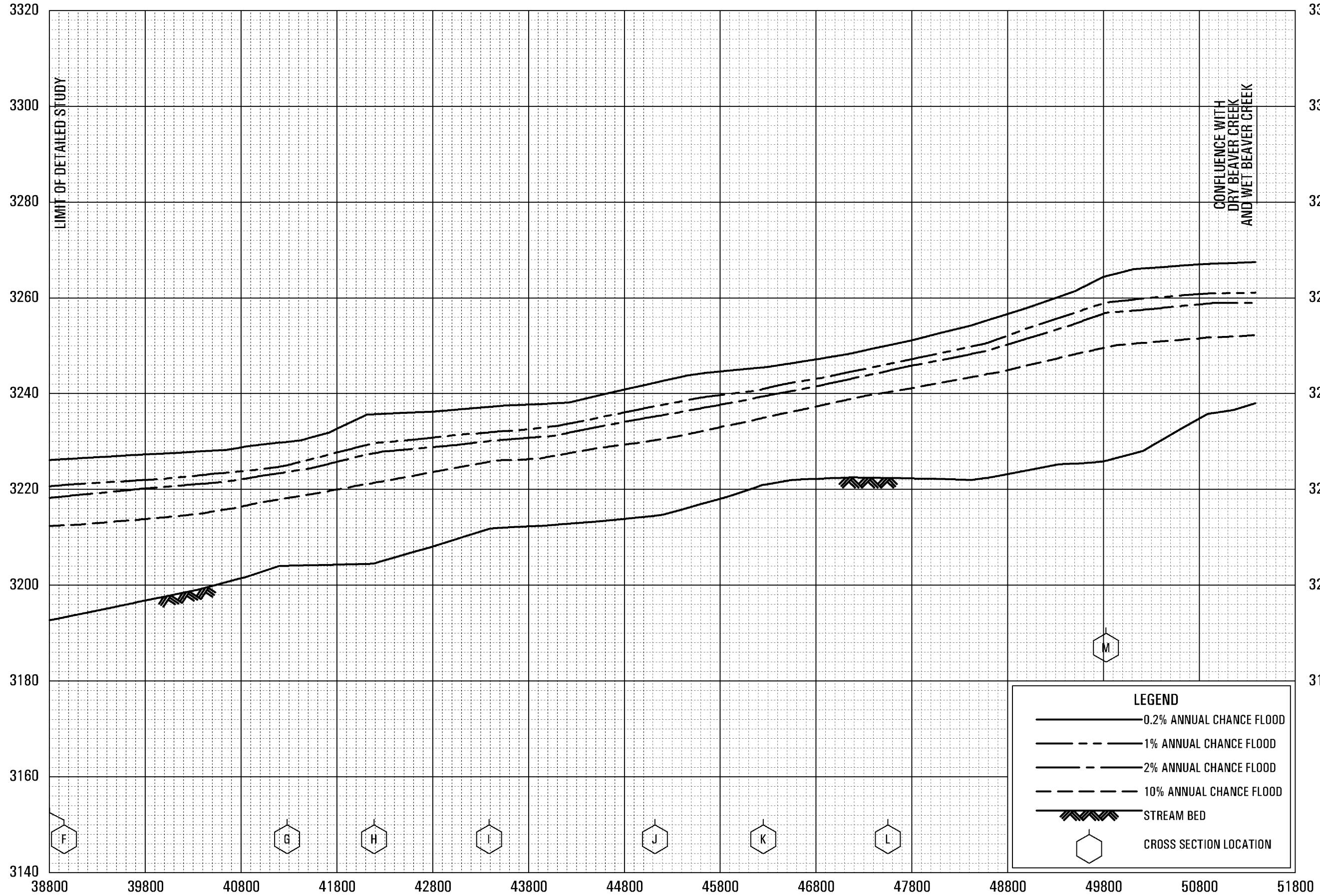






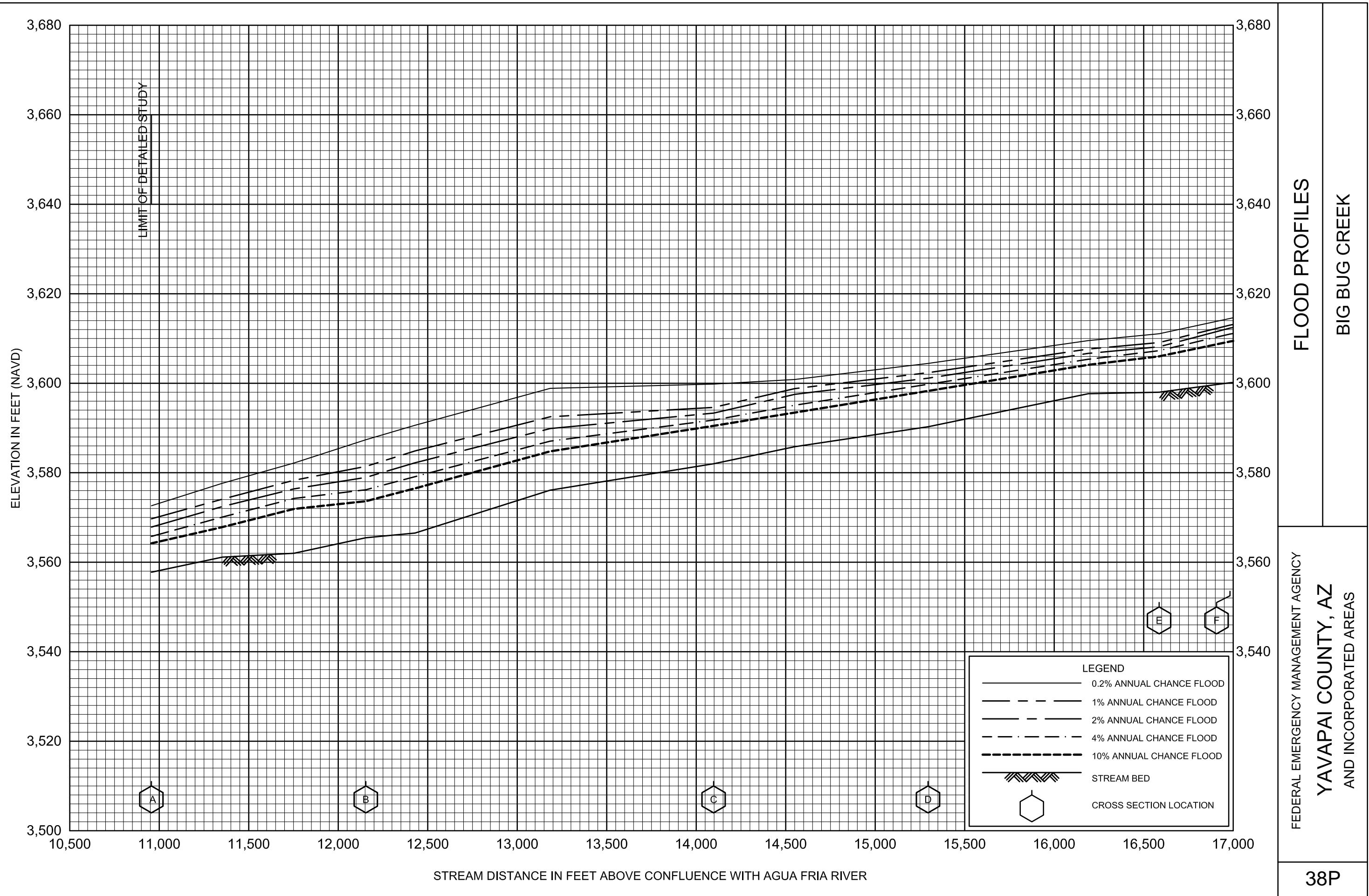


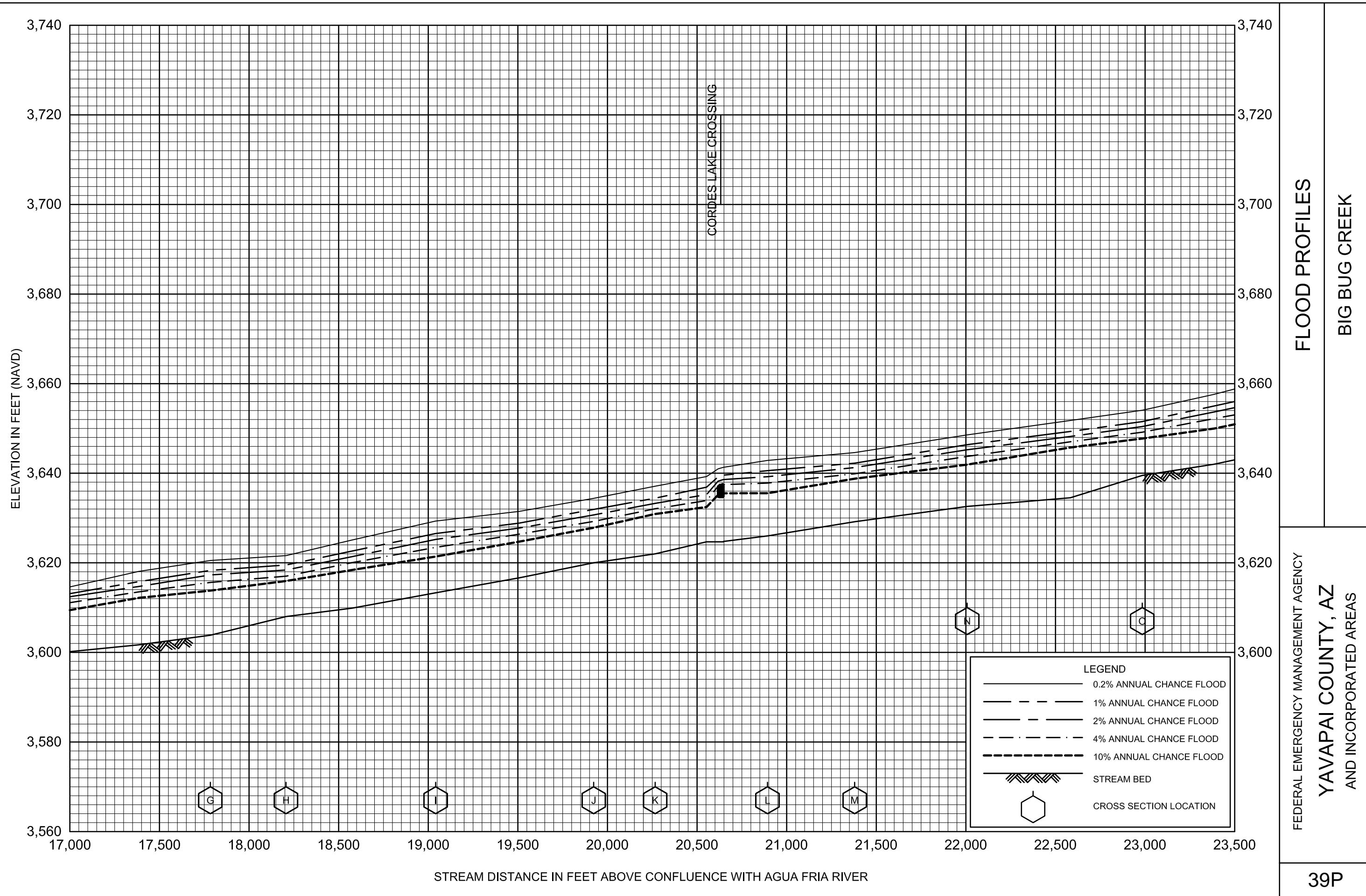
EL E V A T I O N I N F E E T ( N A V D 88 )

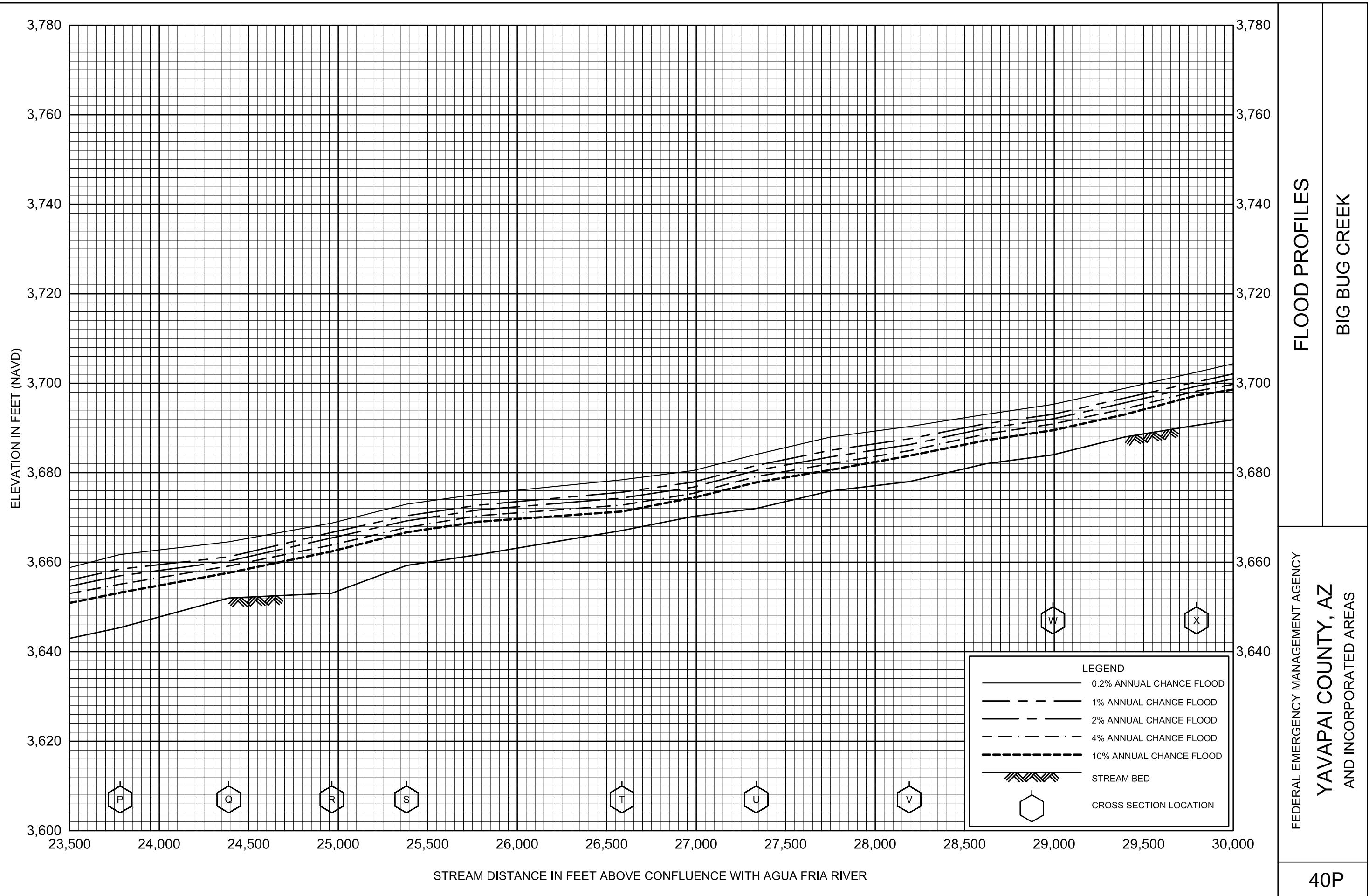


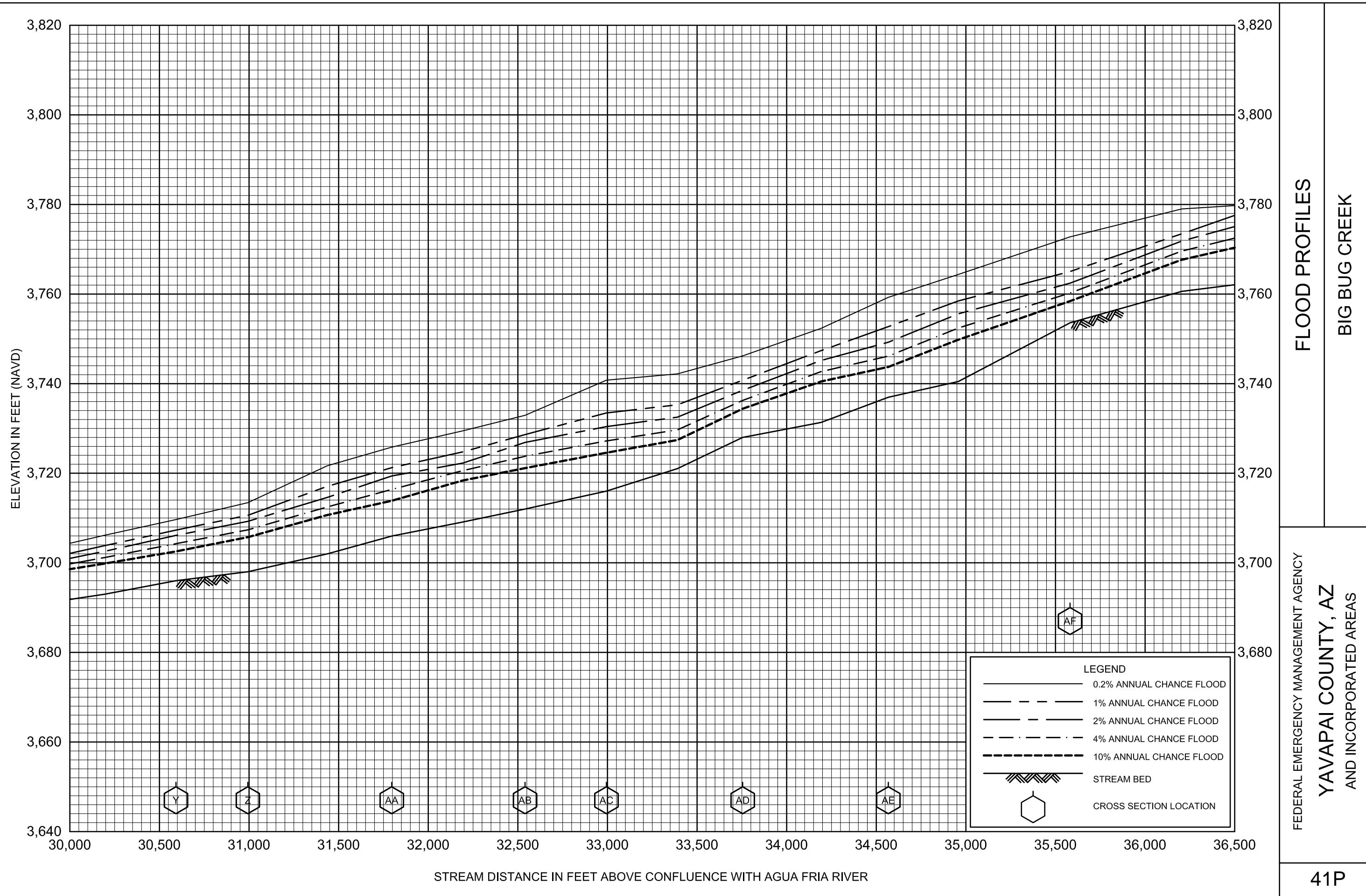
FEDERAL EMERGENCY MANAGEMENT AGENCY  
YAVAPAI COUNTY, AZ  
AND INCORPORATED AREAS

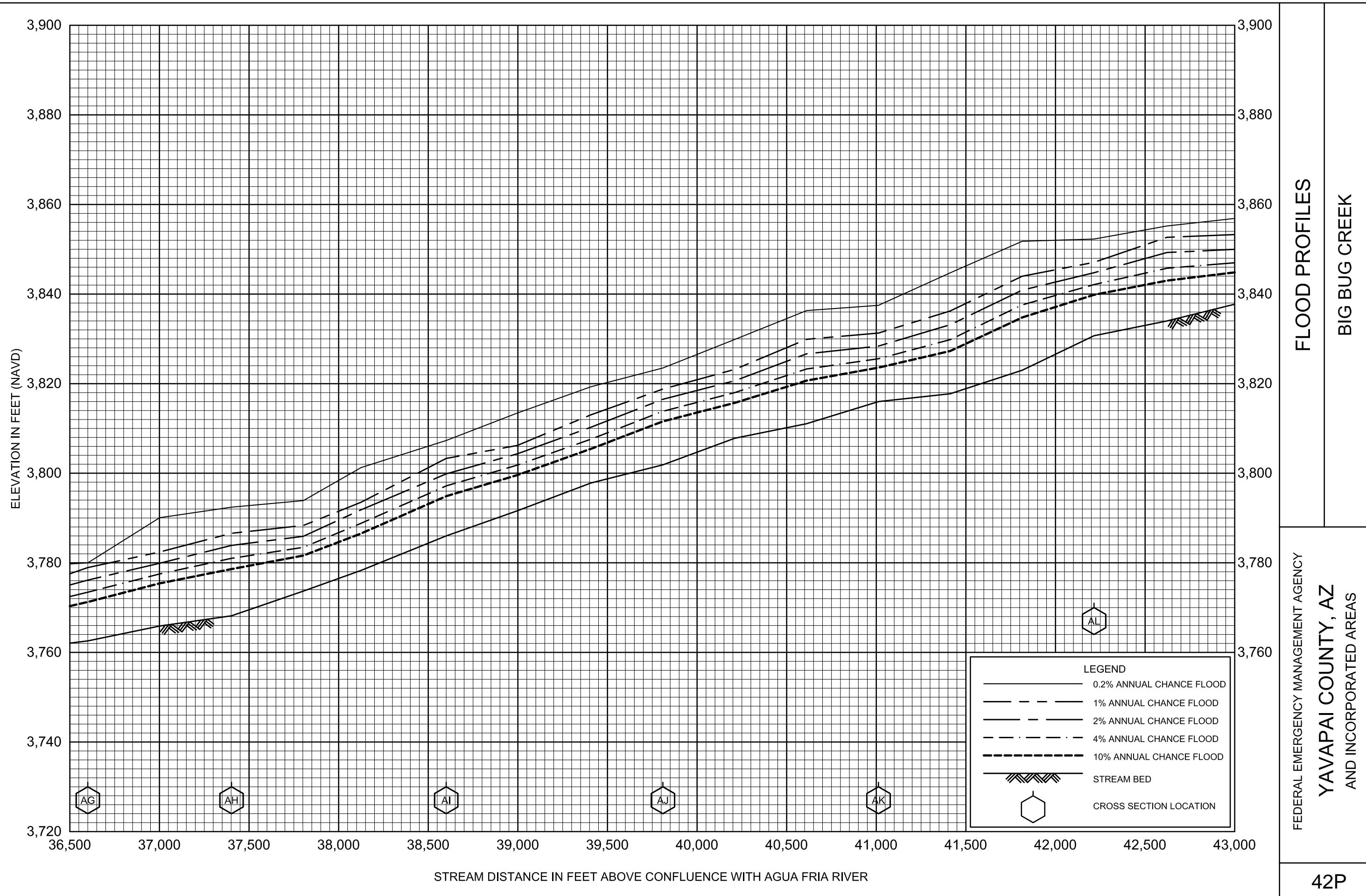
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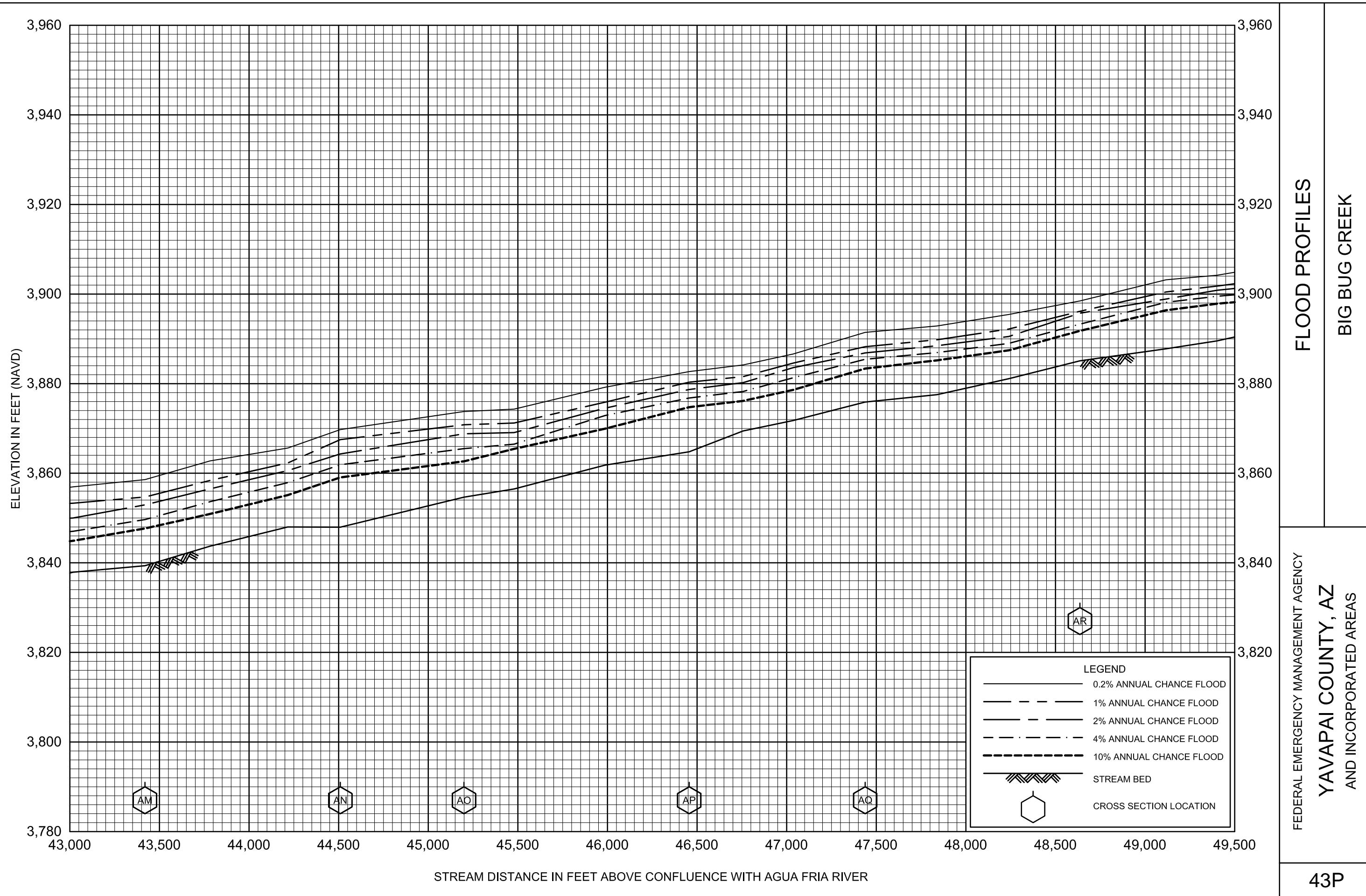


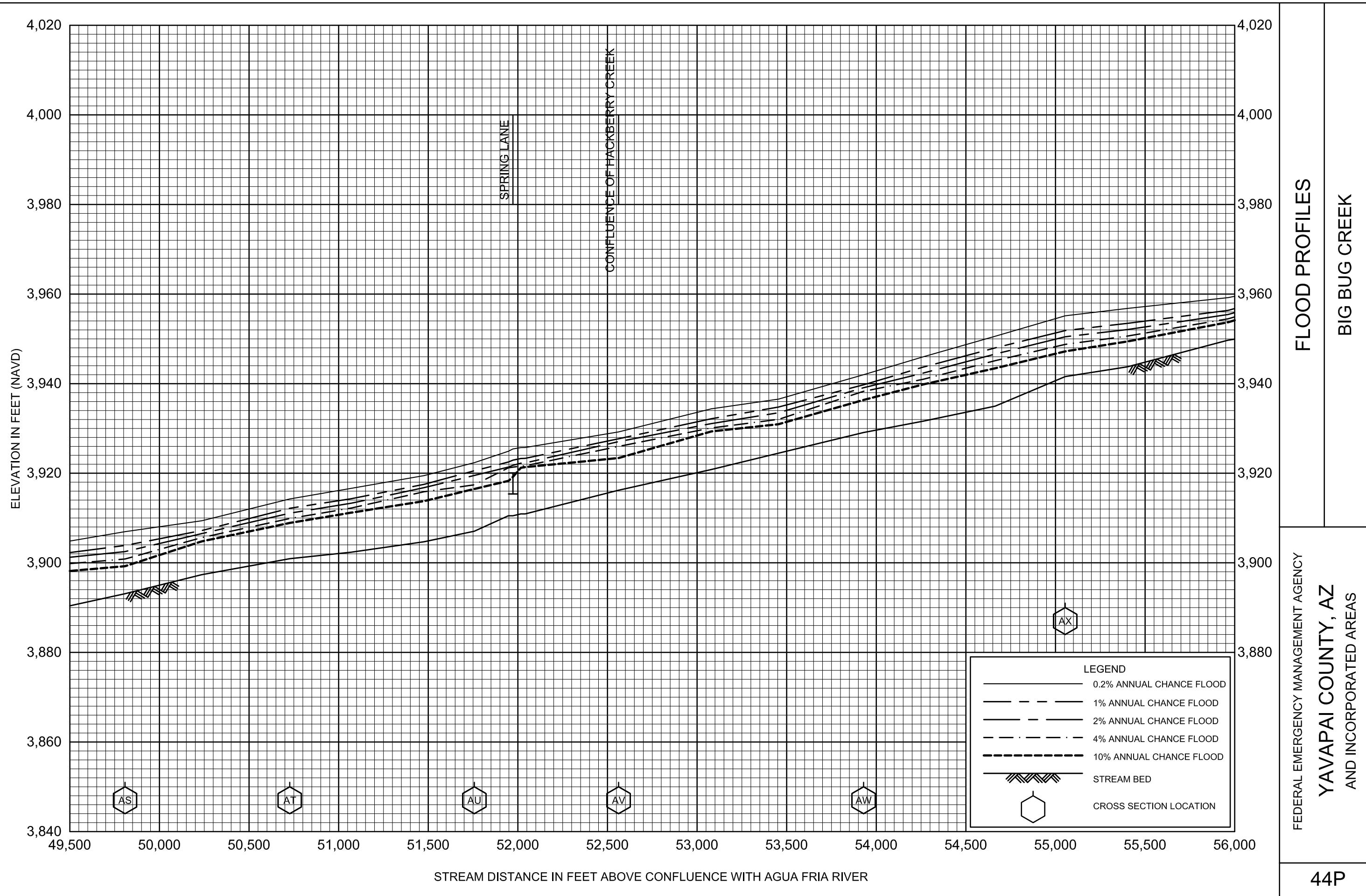


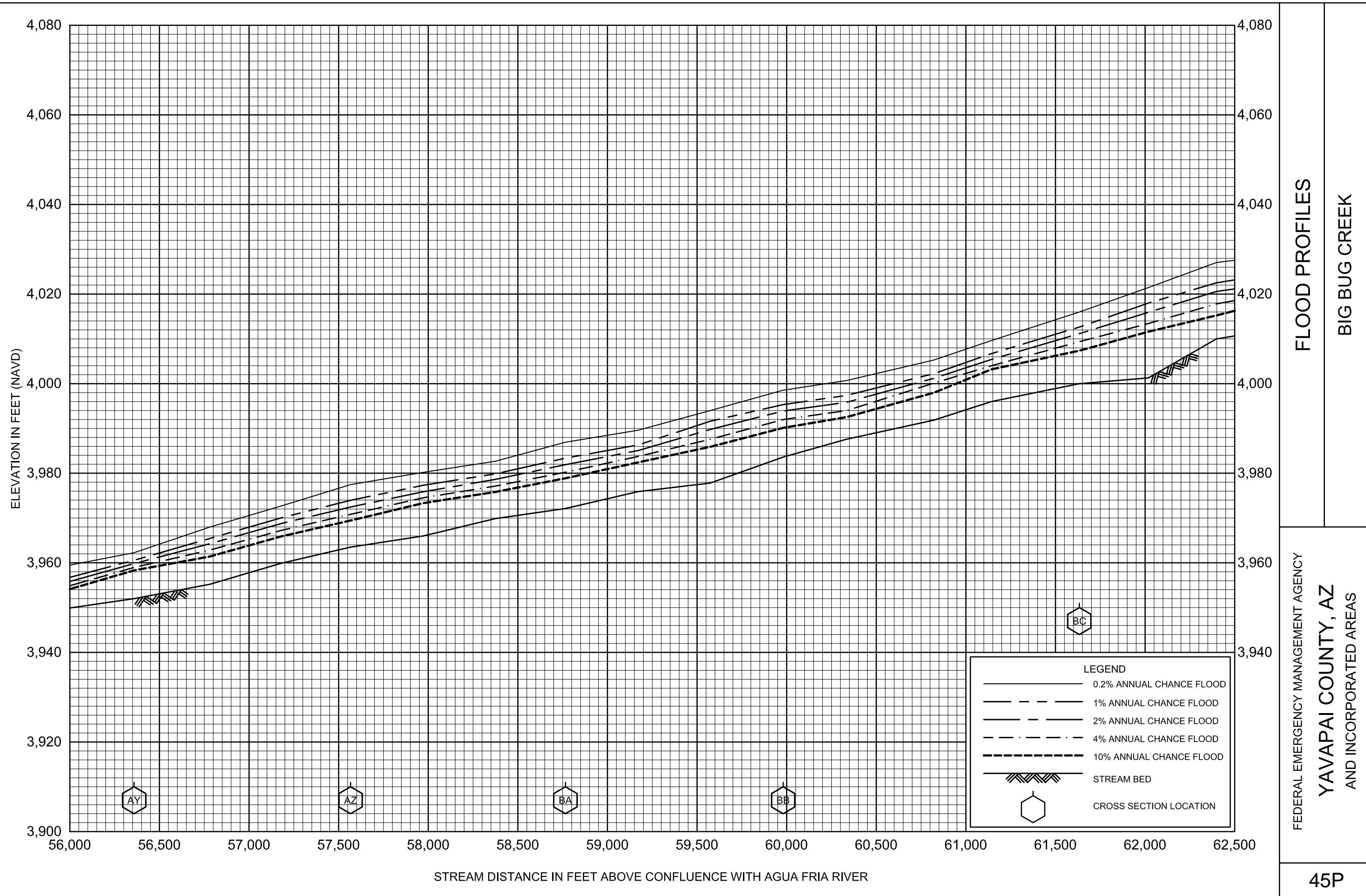


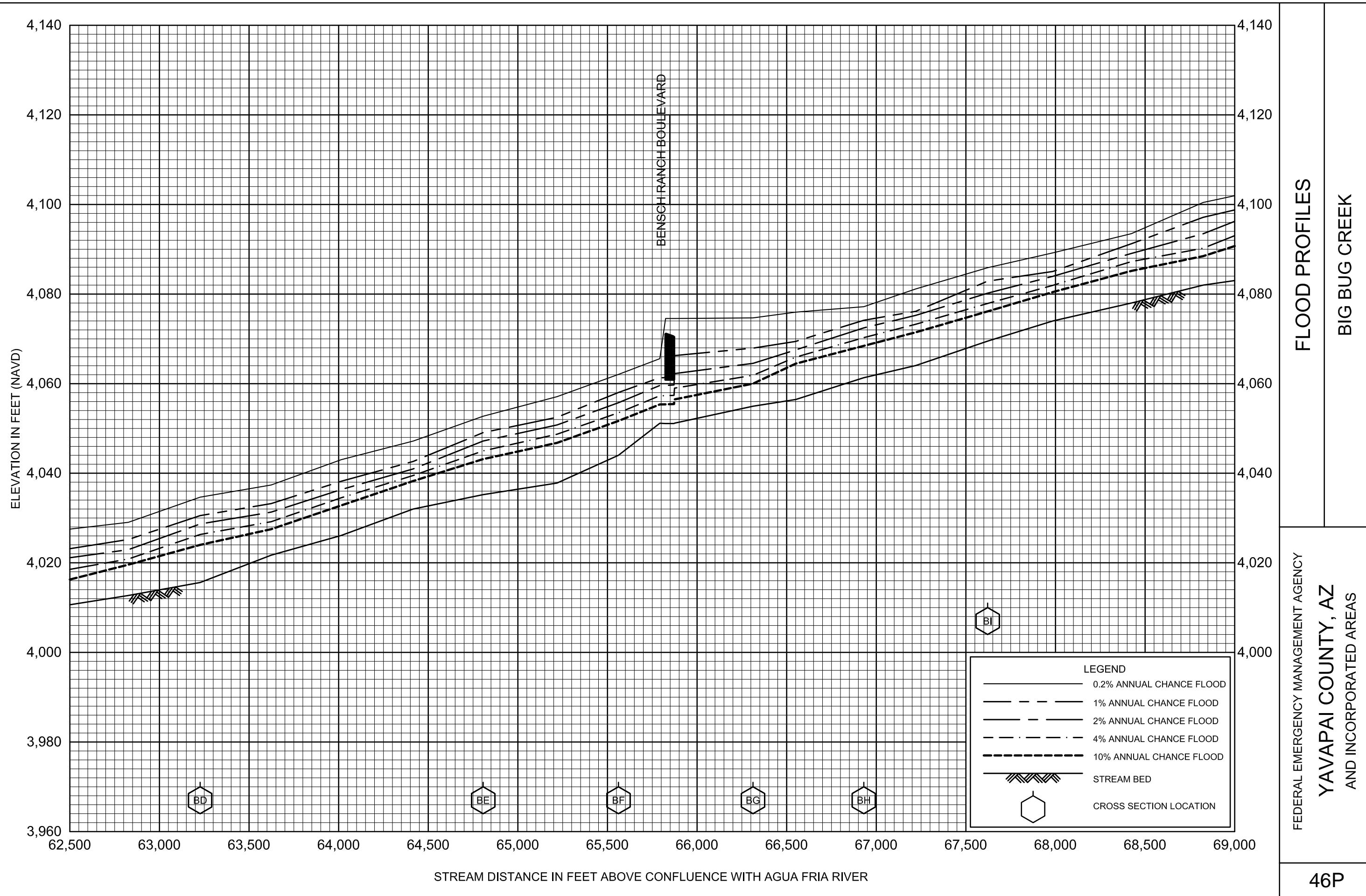


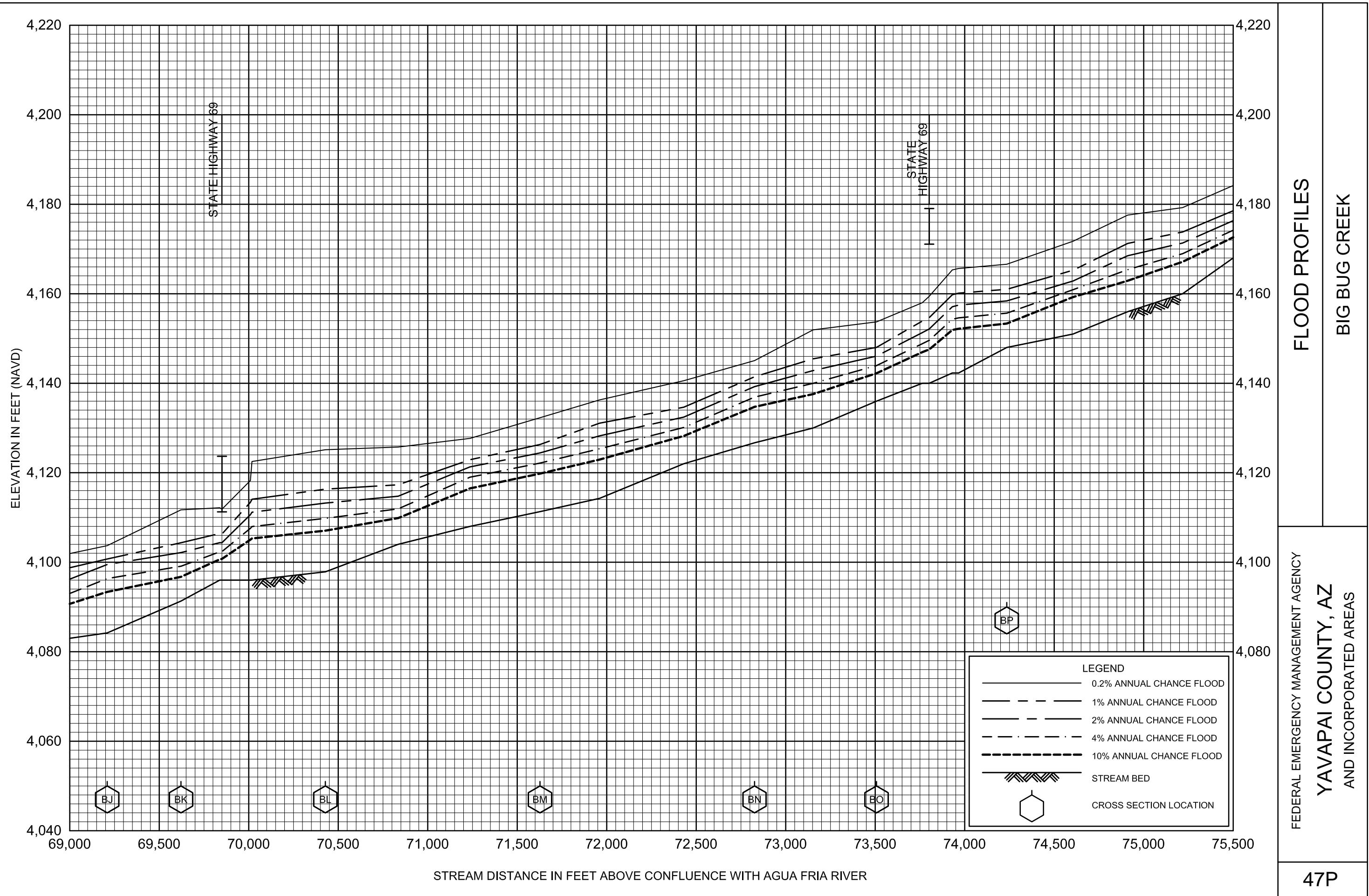


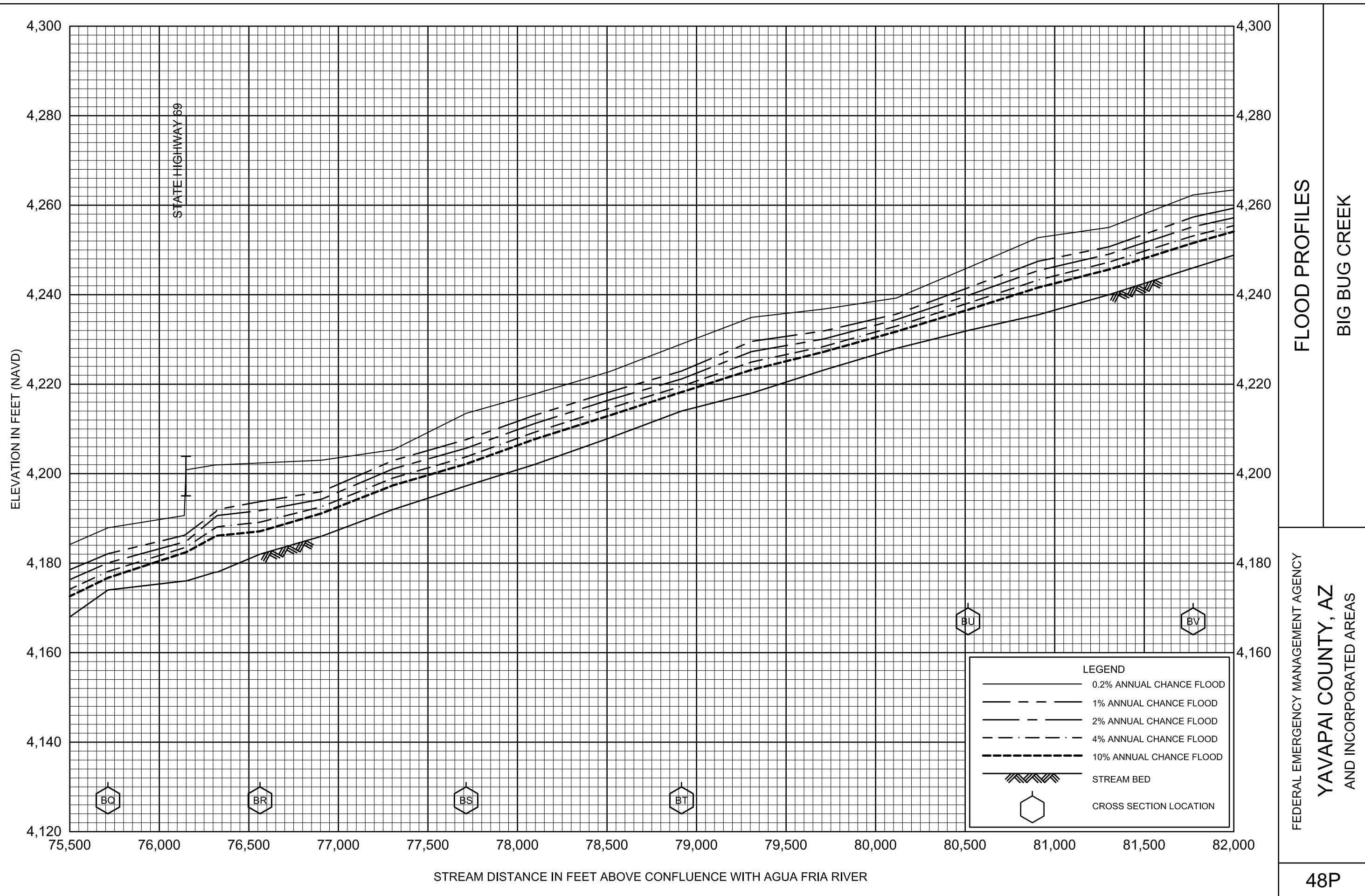


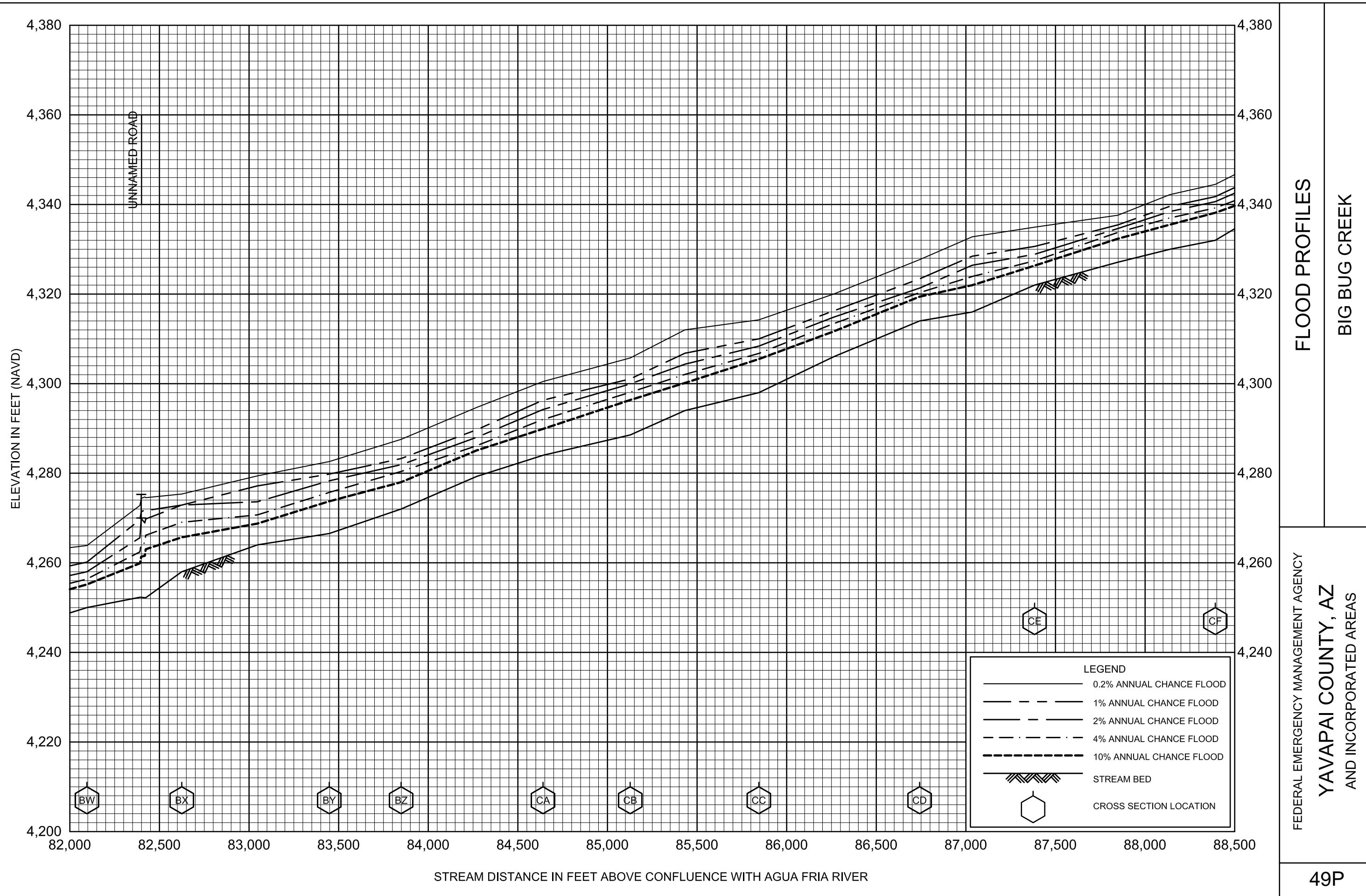


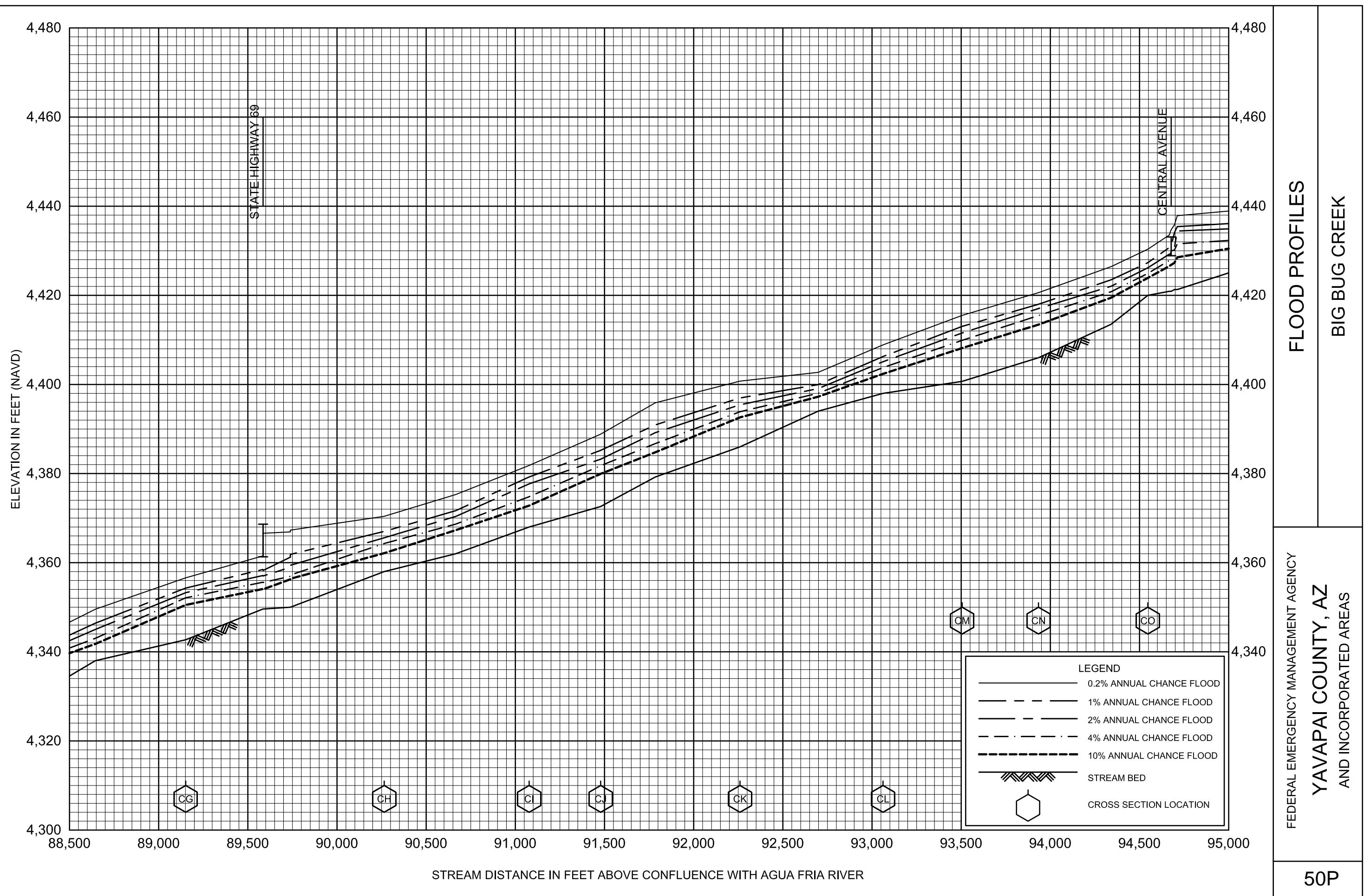


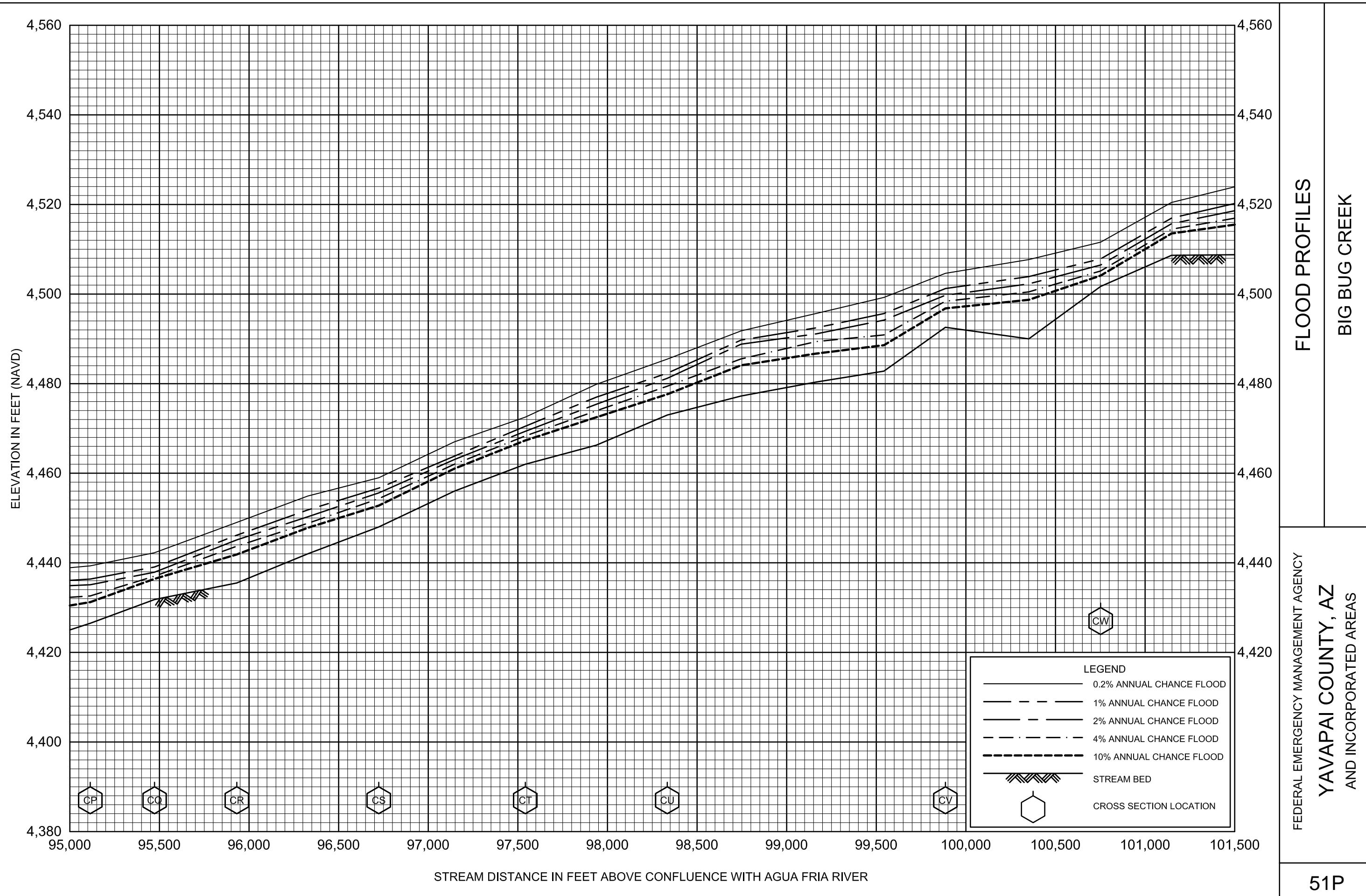


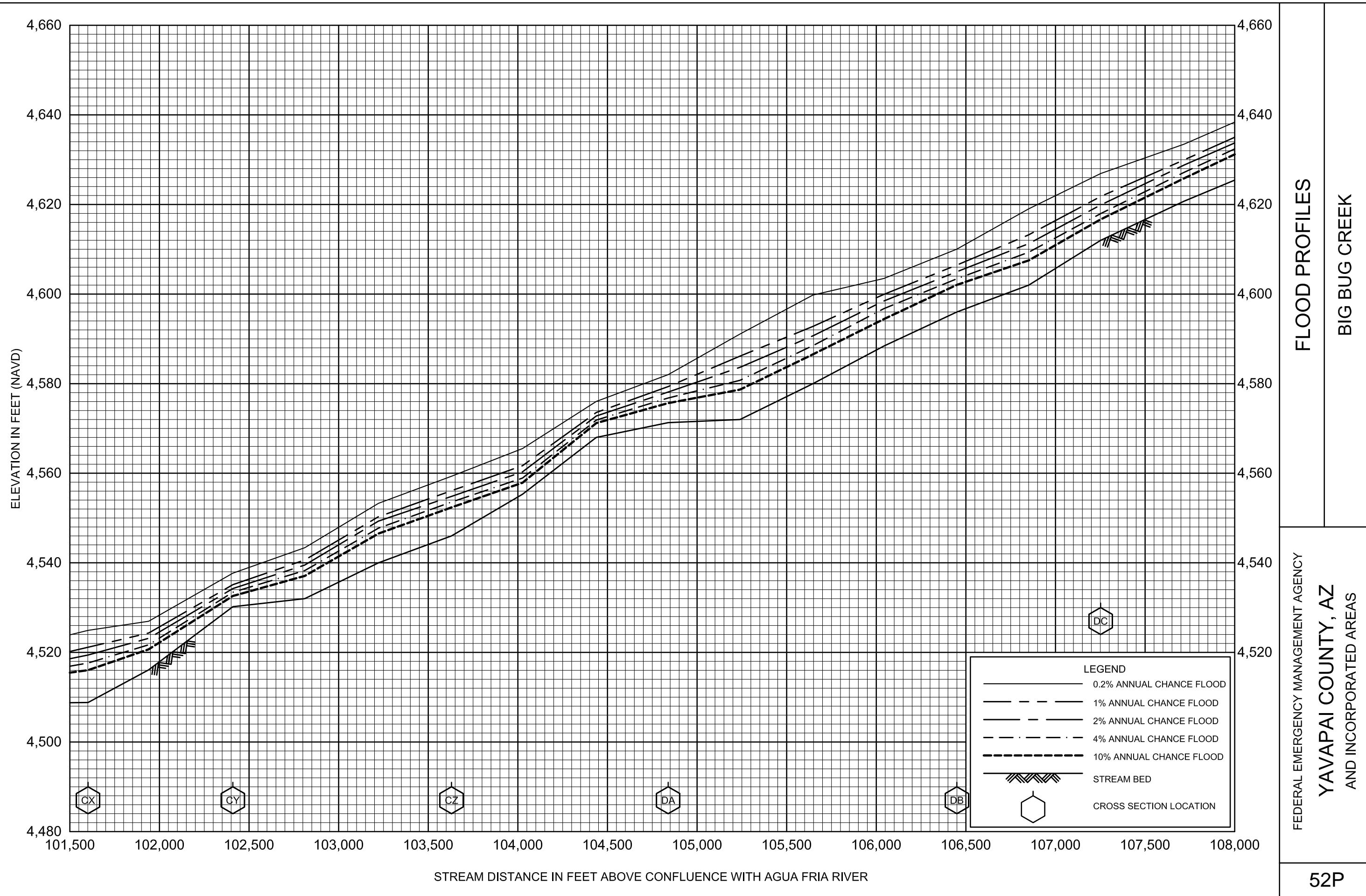


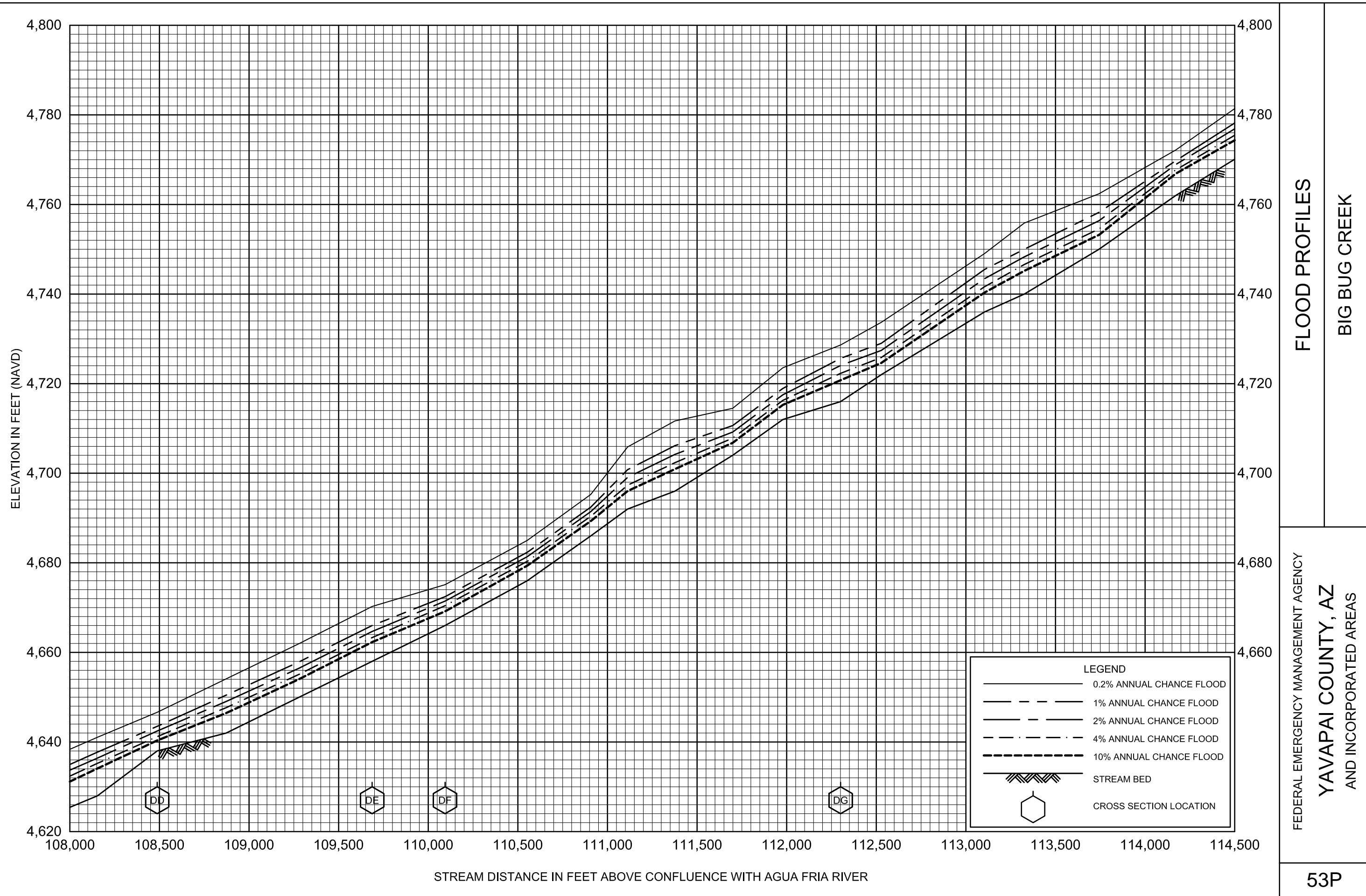


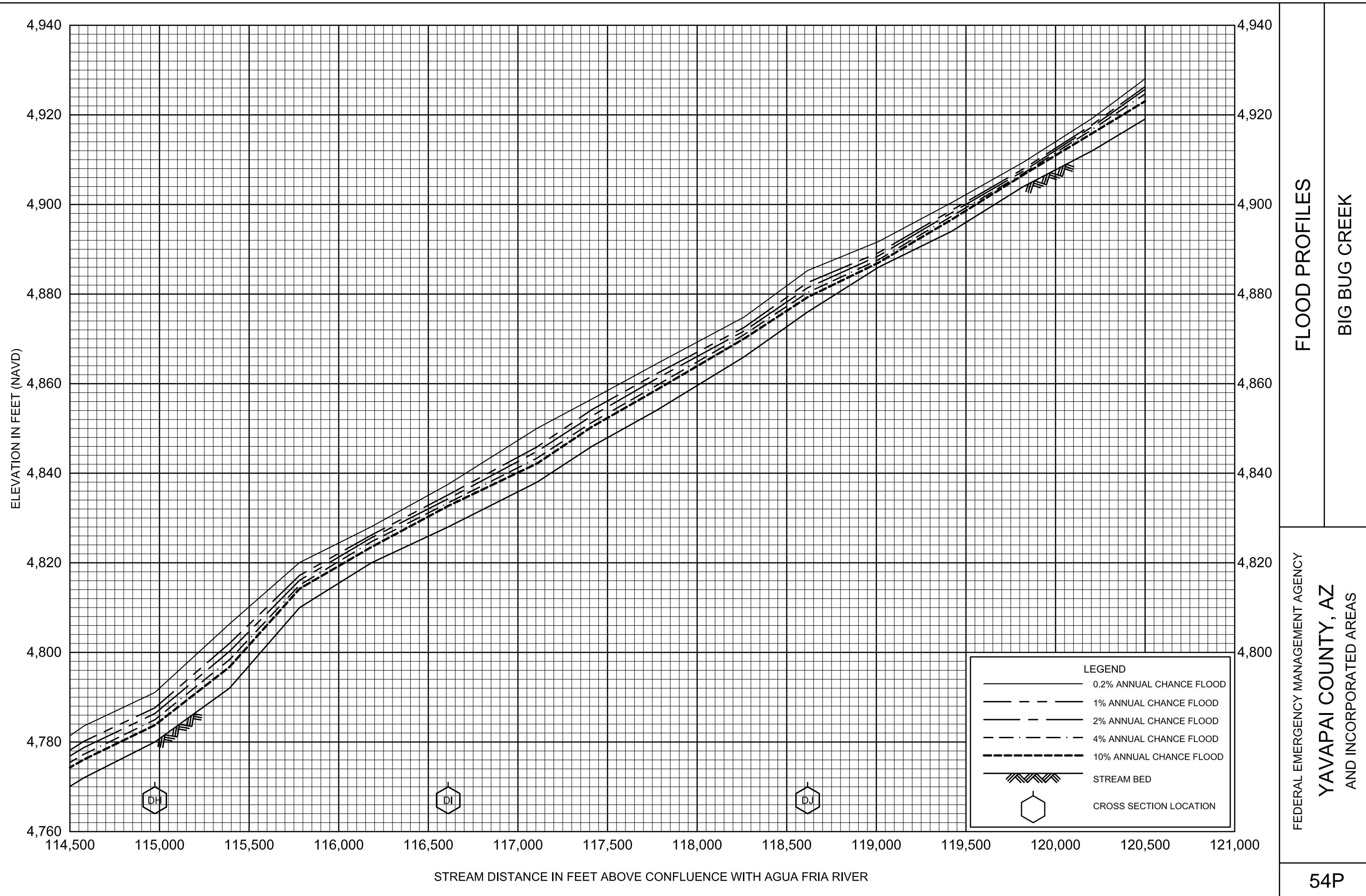


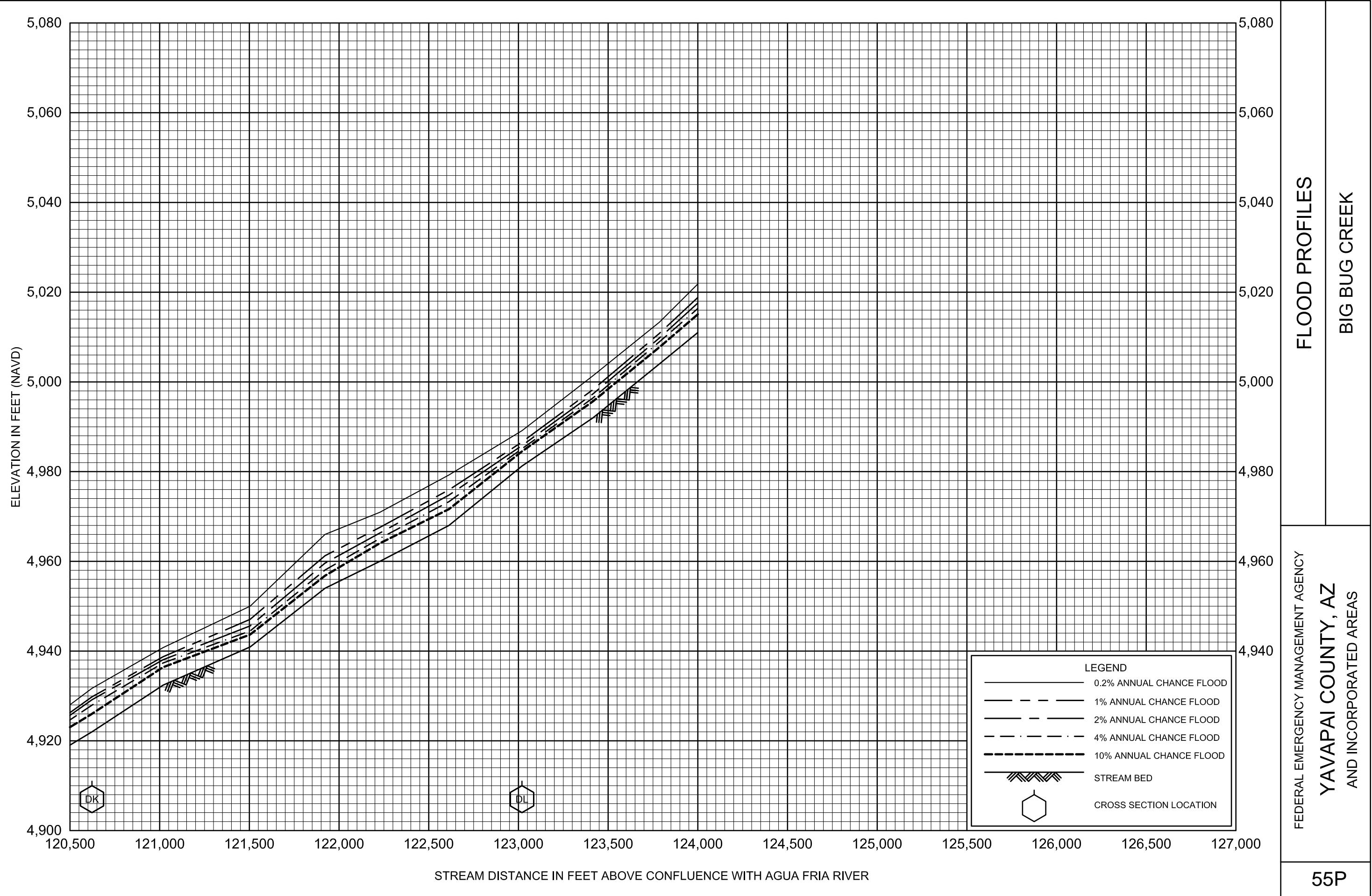


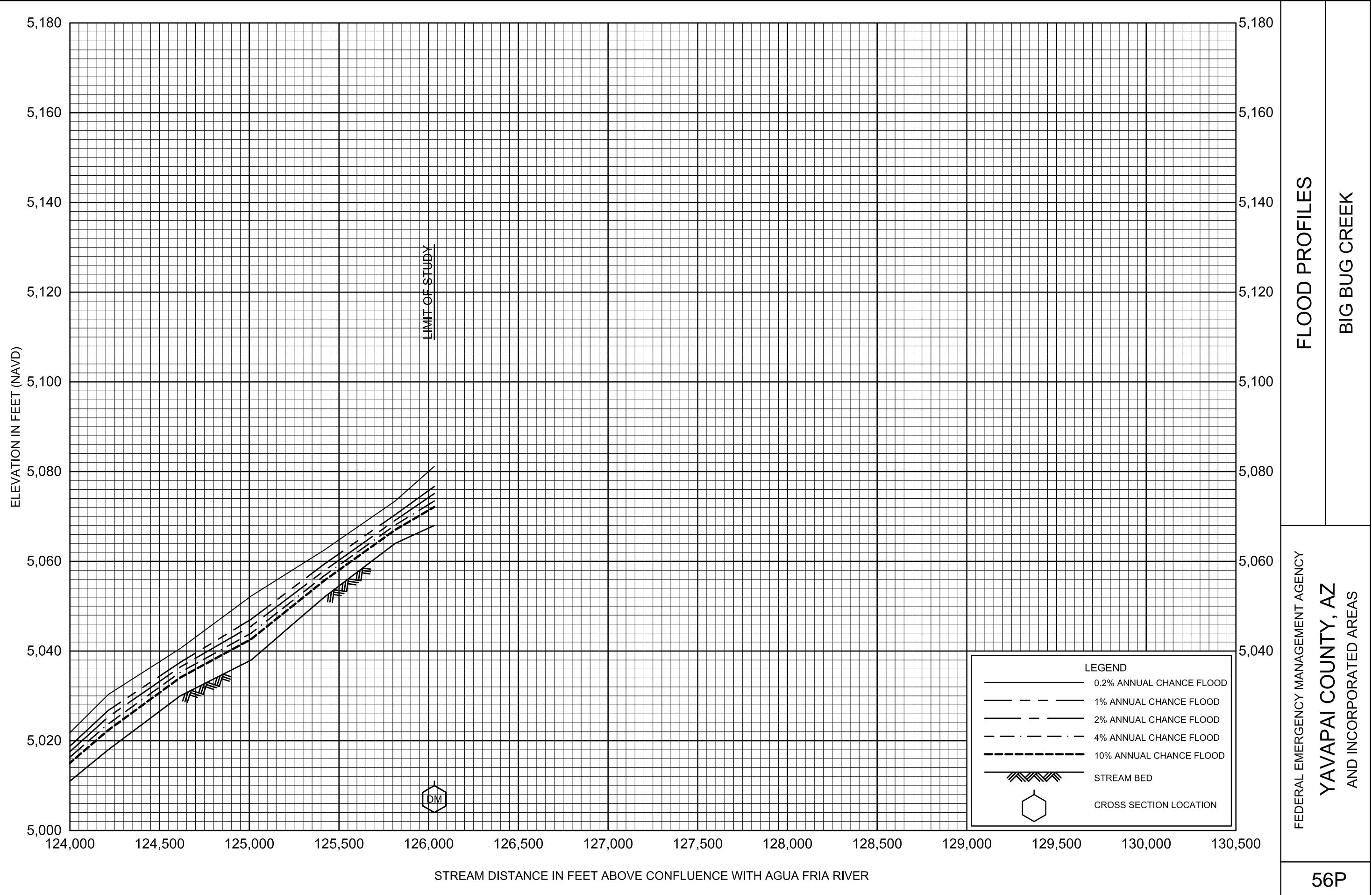


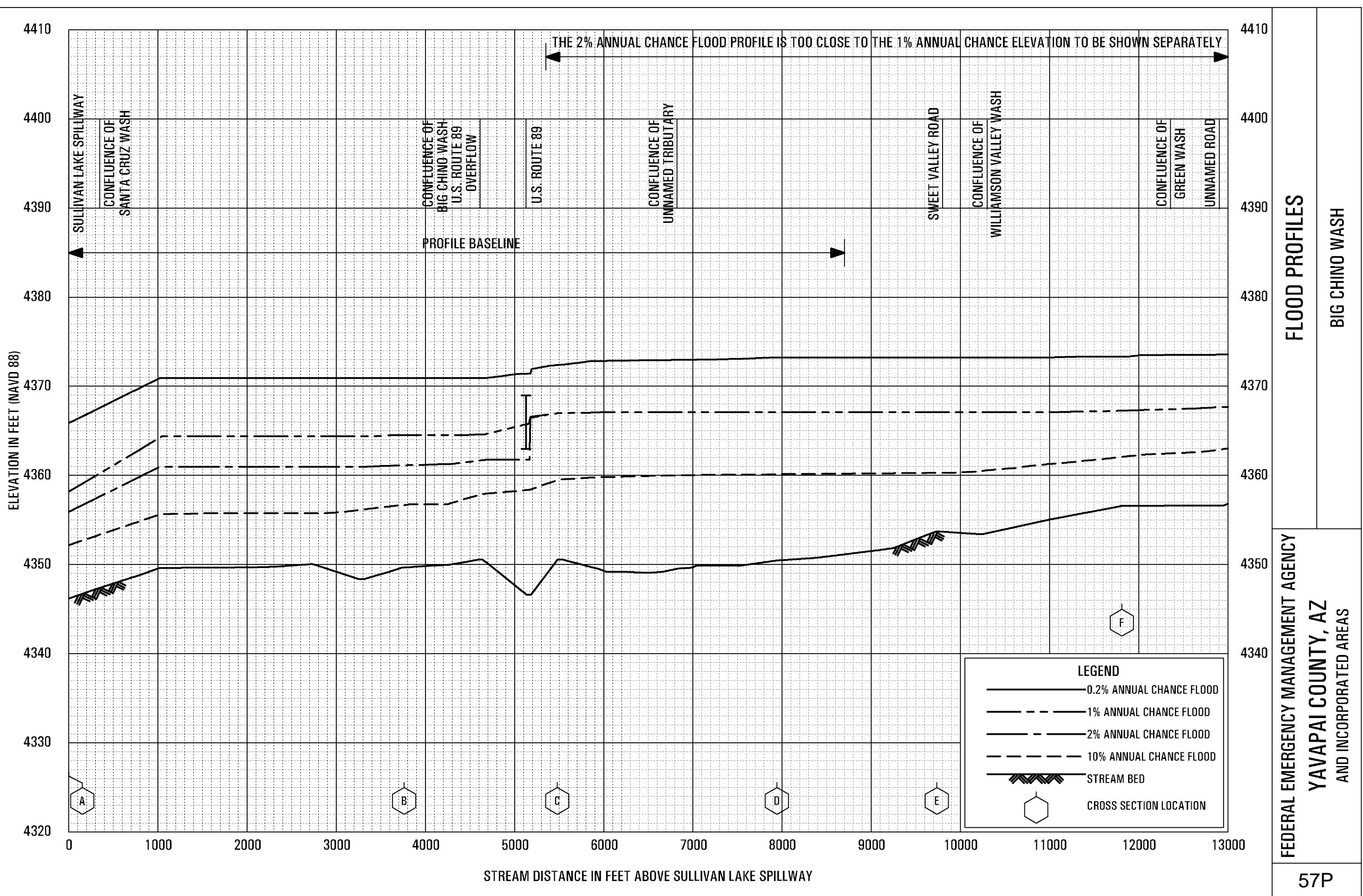


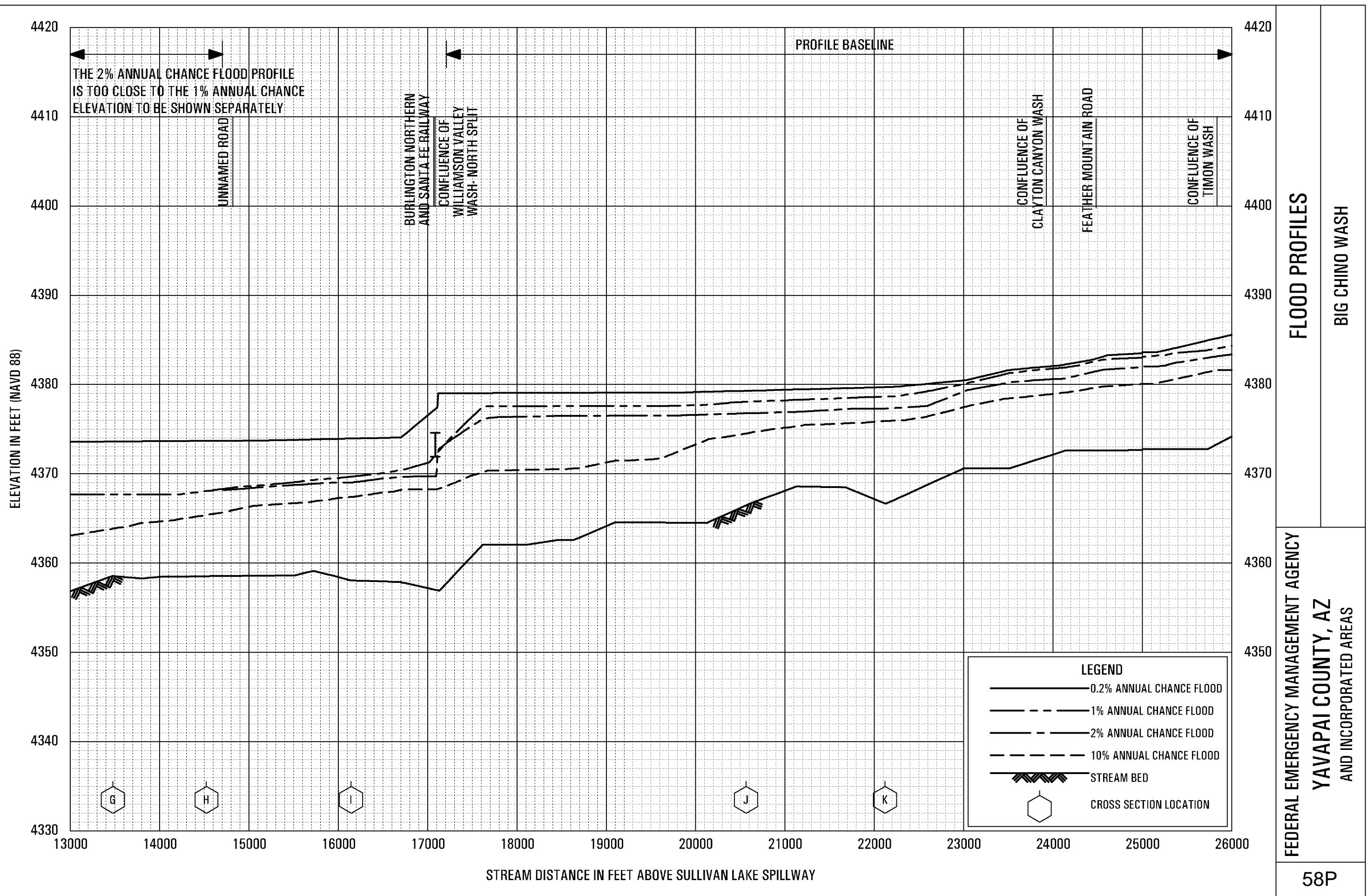


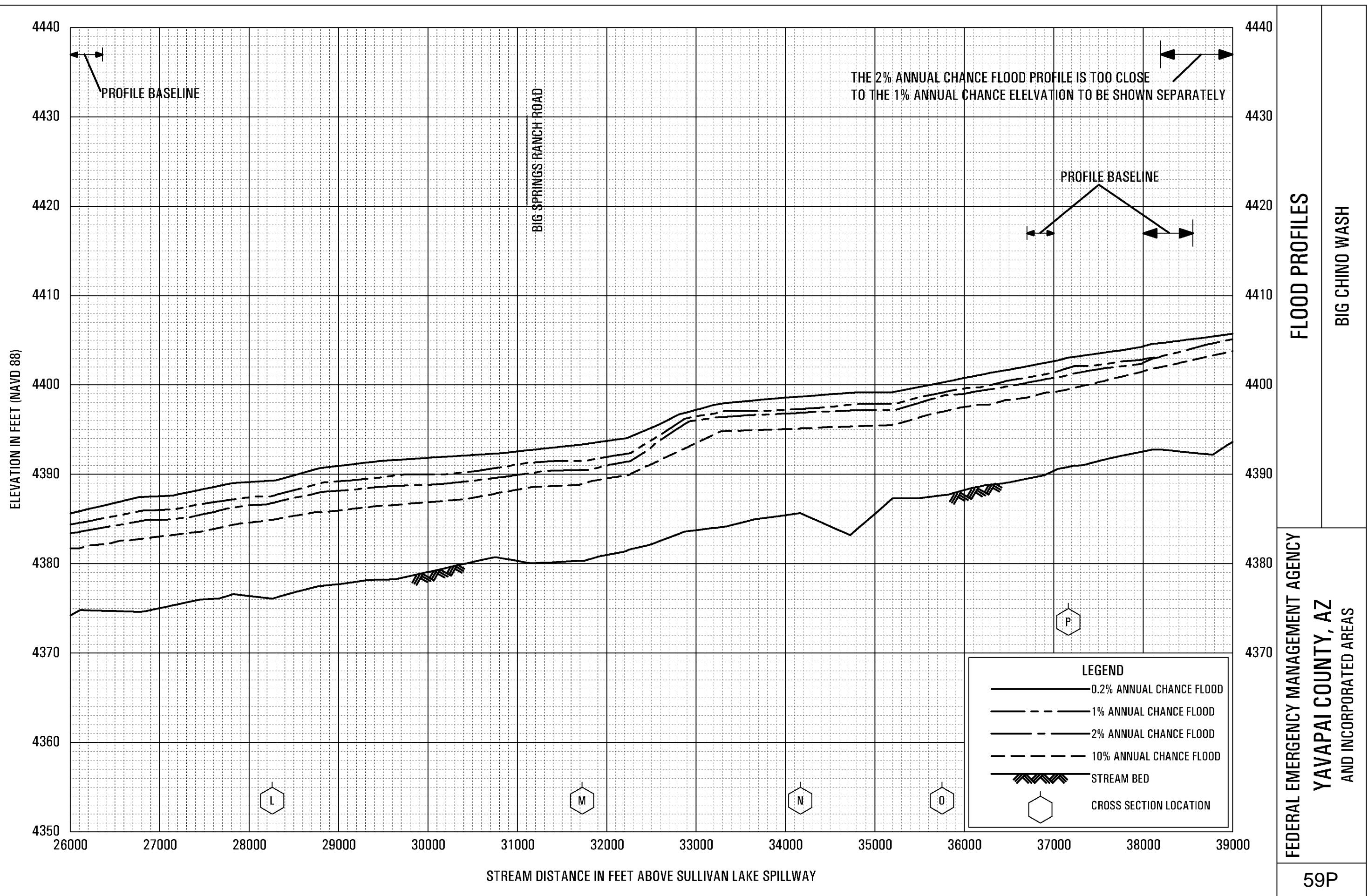


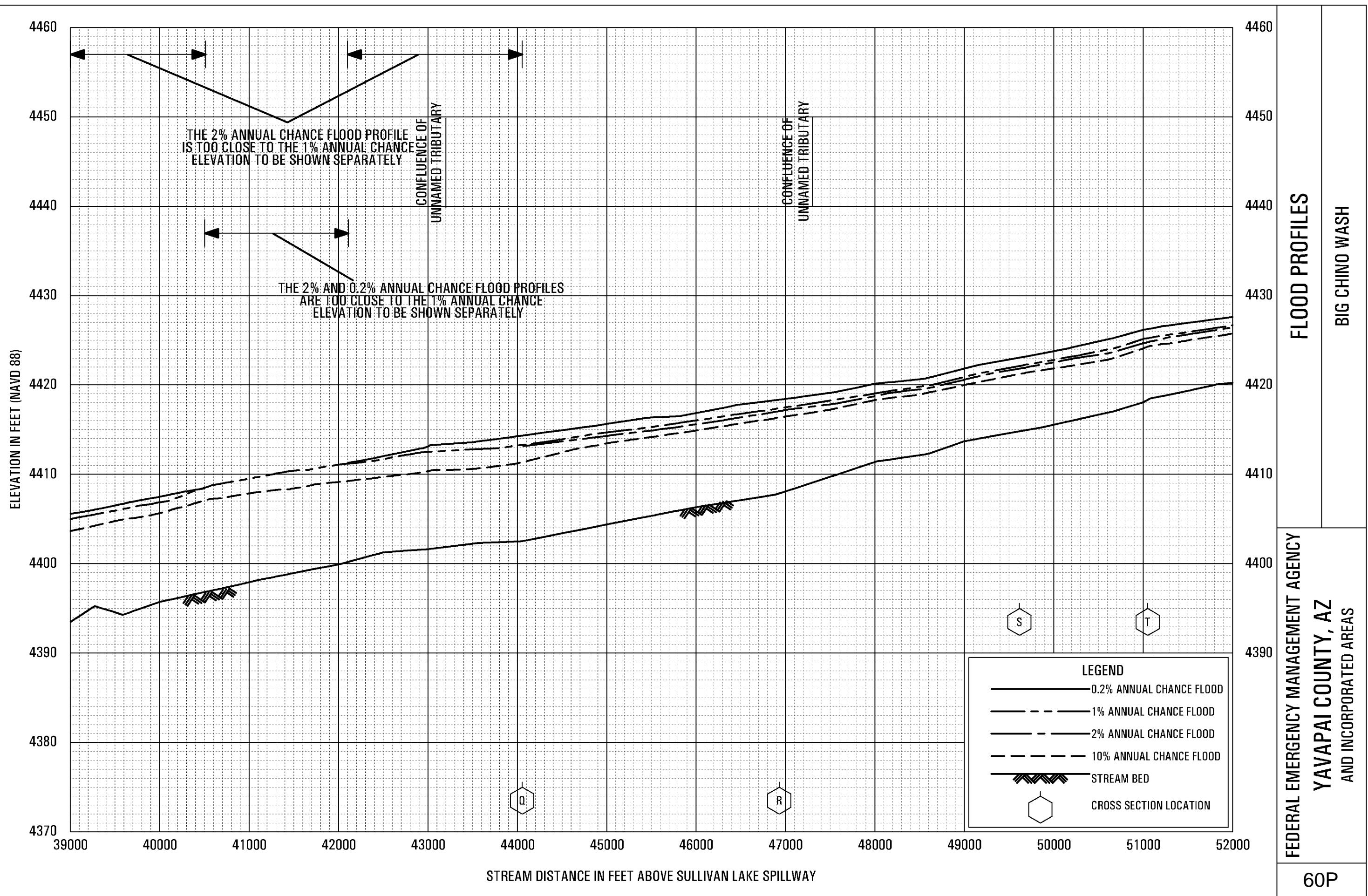




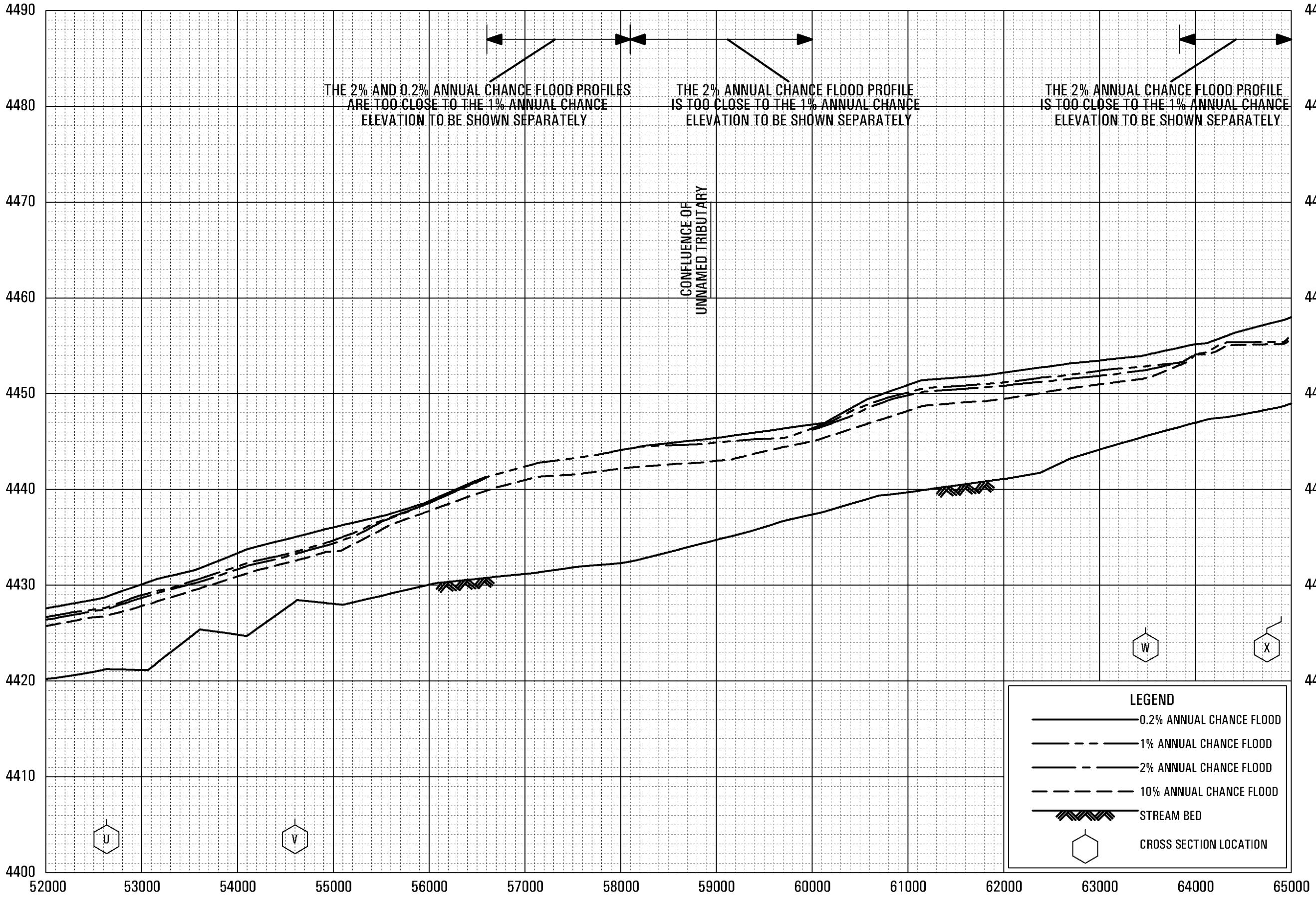








ELEVATION IN FEET (NAVD 88)



FEDERAL EMERGENCY MANAGEMENT AGENCY  
YAVAPAI COUNTY, AZ  
AND INCORPORATED AREAS

61P

FLOOD PROFILES  
BIG CHINO WASH

