

# FLOOD INSURANCE STUDY



## ULSTER COUNTY, NEW YORK (ALL JURISDICTIONS)

### NOTICE

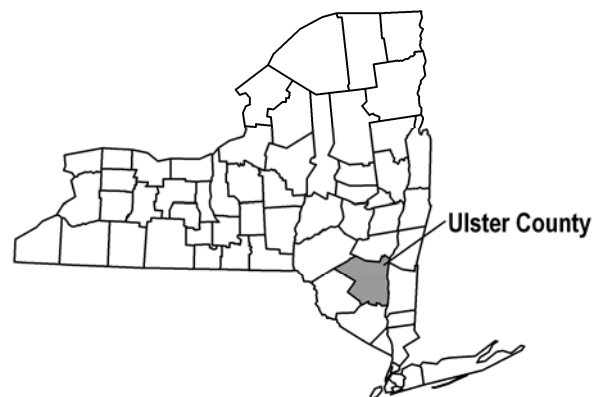
This preliminary FIS report includes only revised Flood Profiles and Floodway Data tables. See "Notice to Flood Insurance Users" page for additional details.

### VOLUME 2 OF 4

#### COMMUNITY NAME

#### COMMUNITY NUMBER

DENNING, TOWN OF	361439
ELLENVILLE, VILLAGE OF	360975
ESOPUS, TOWN OF	360855
GARDINER, TOWN OF	360856
HARDENBURG, TOWN OF	361578
HURLEY, TOWN OF	360857
KINGSTON, CITY OF	360858
KINGSTON, TOWN OF	361218
LLOYD, TOWN OF	361012
MARBLETOWN, TOWN OF	361219
MARLBOROUGH, TOWN OF	361220
NEW PALTZ, TOWN OF	360859
NEW PALTZ, VILLAGE OF	361544
OLIVE, TOWN OF	360860
PLATTEKILL, TOWN OF <sup>1</sup>	361221
ROCHESTER, TOWN OF	360861
ROSENDALE, TOWN OF	360862
SAUGERTIES, TOWN OF	360863
SAUGERTIES, VILLAGE OF	361504
SHANDAKEN, TOWN OF	360864
SHAWANGUNK, TOWN OF	360865
ULSTER, TOWN OF	360866
WAWARSING, TOWN OF	360867
WOODSTOCK, TOWN OF	360868



**PRELIMINARY**  
**May 24, 2013**

REVISED:

<sup>1</sup> No Special Flood Hazard Areas Identified



**Federal Emergency Management Agency**

**FLOOD INSURANCE STUDY NUMBER**  
**36111CV002B**

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

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

Initial FIS Effective Date: September 25, 2009 (partial countywide)

Revised FIS Dates:

**This preliminary FIS report does not include unrevised Floodway Data Tables or unrevised Flood Profiles. These Floodway Data Tables and Flood Profiles will appear in the final FIS report.**

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Birch Creek	Panels 024P-030P
Black Creek	Panels 031P-036P
Broadstreet Hollow	Panels 037P-040P
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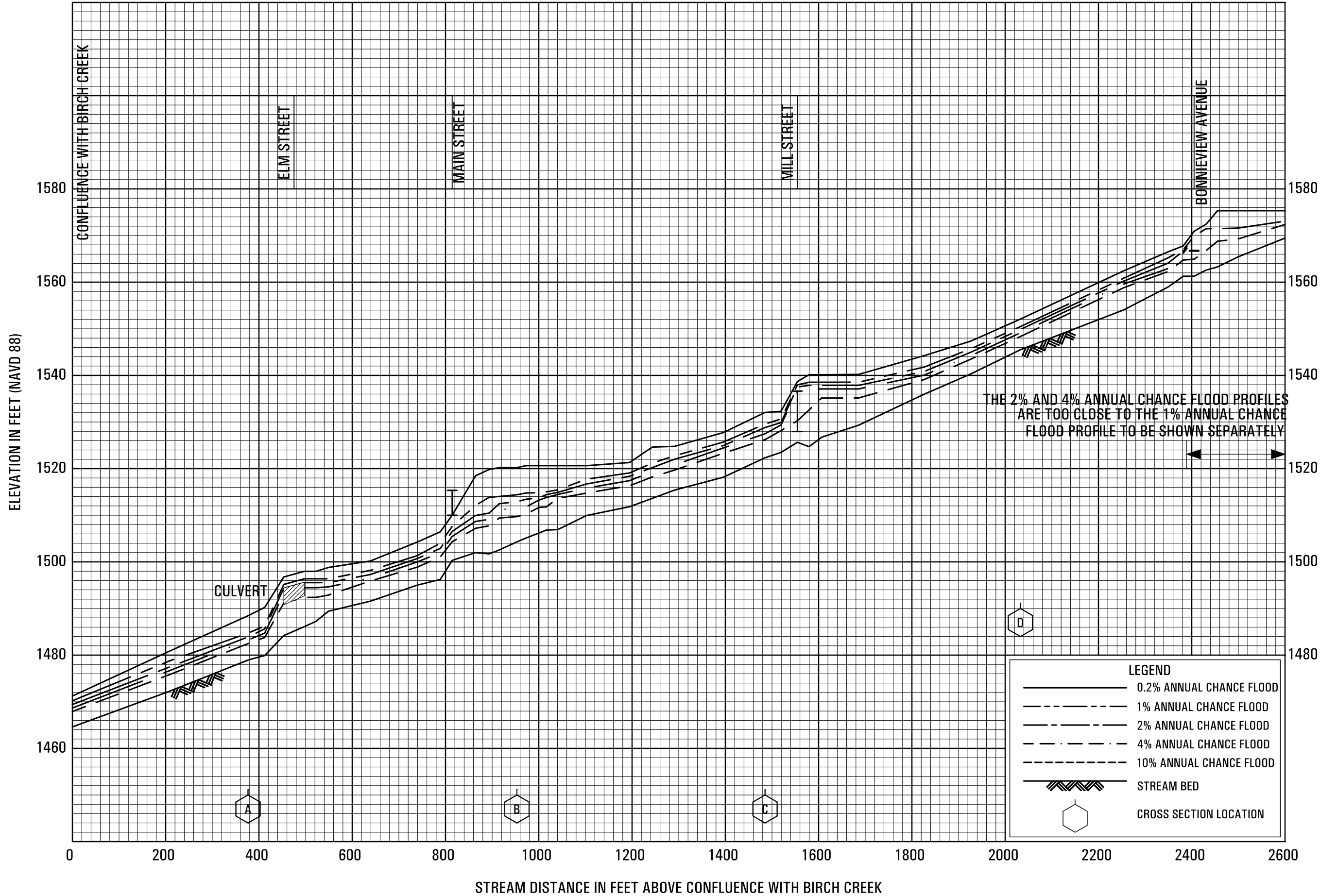
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Esopus Creek Reach 2	Panels 090P-100P
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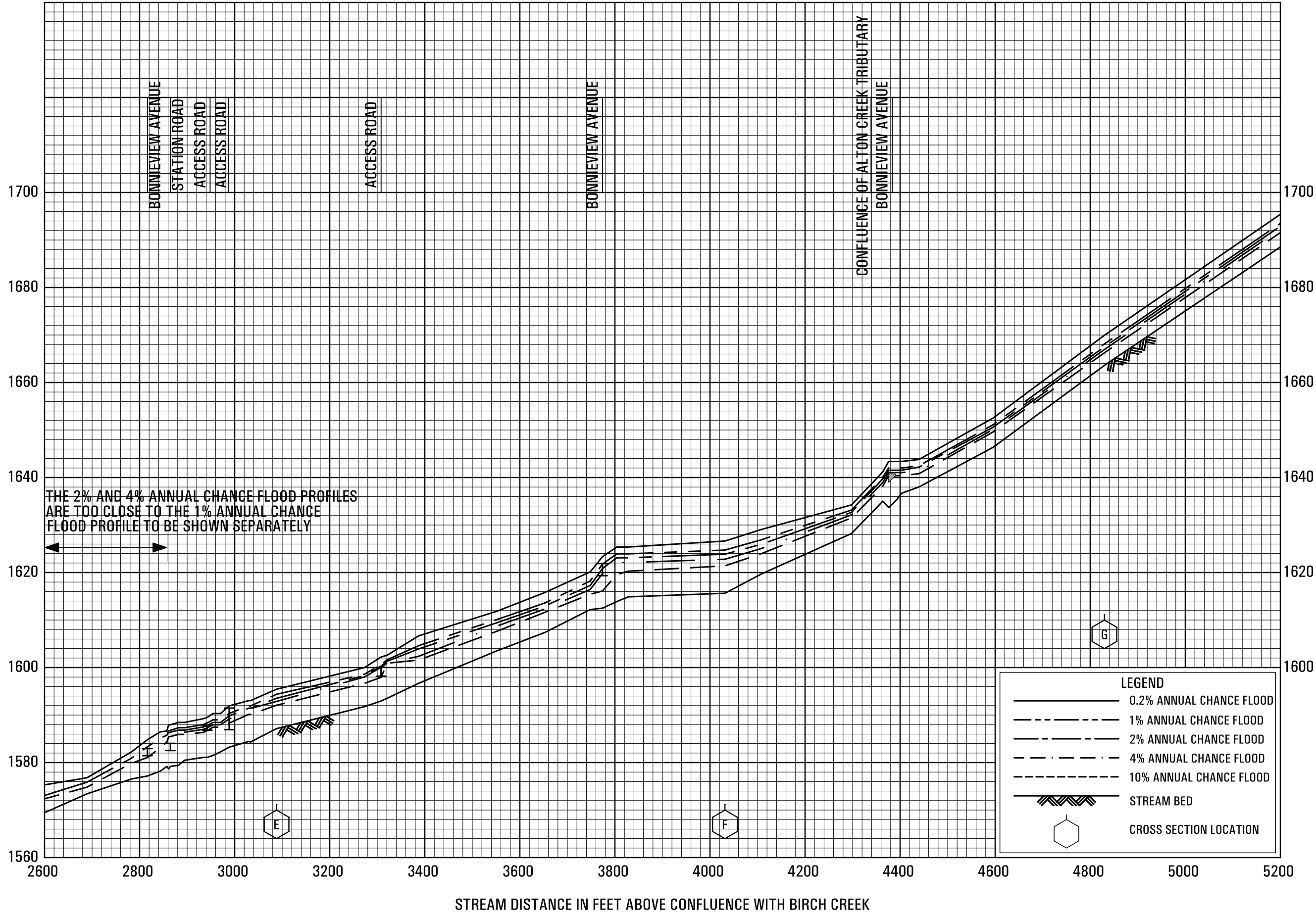
#### Exhibit 2 – Flood Insurance Rate Map Index Flood Insurance Rate Map



FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**  
ALTON CREEK

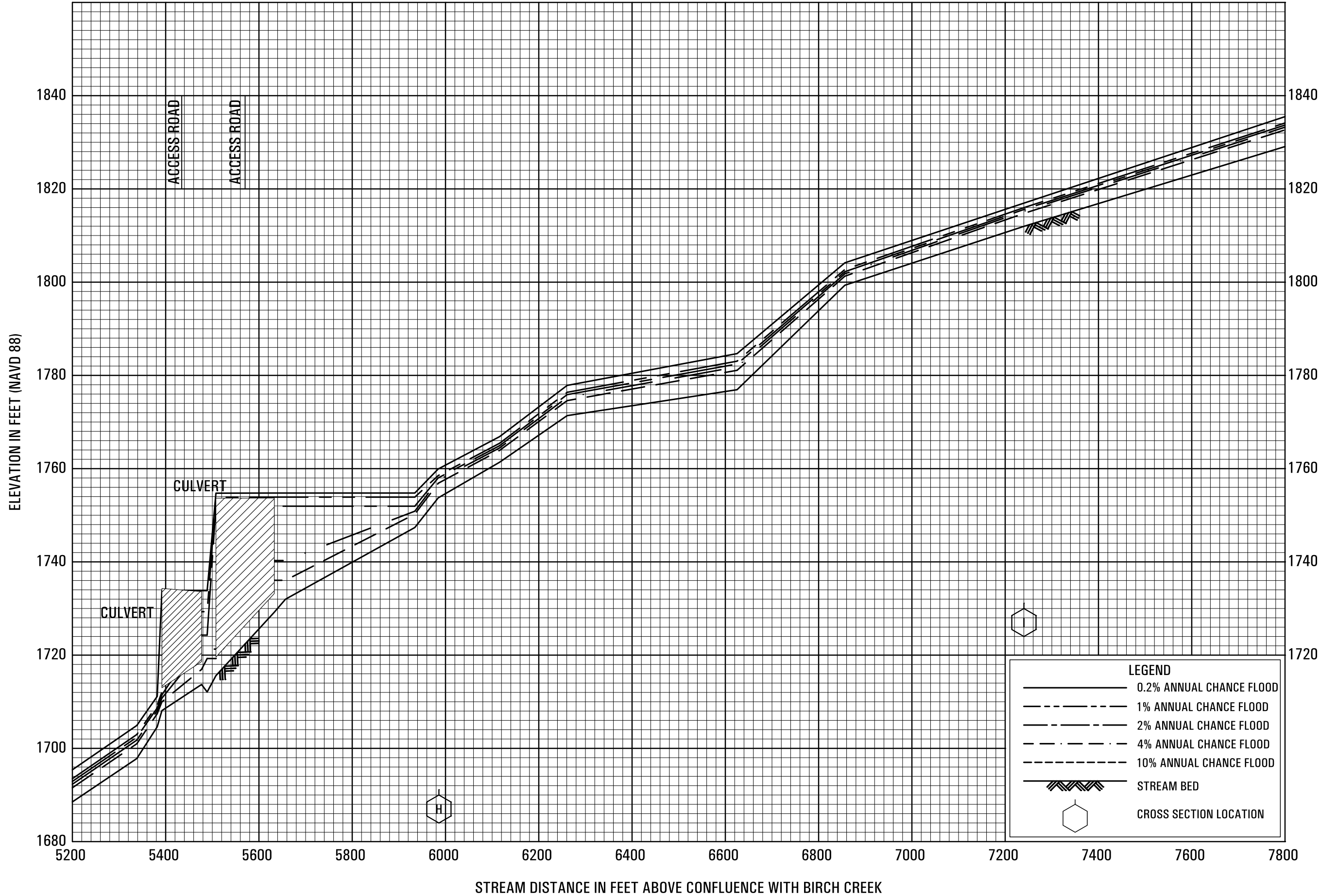
ELEVATION IN FEET (NAVD 88)



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**FLOOD PROFILES**

ALTON CREEK



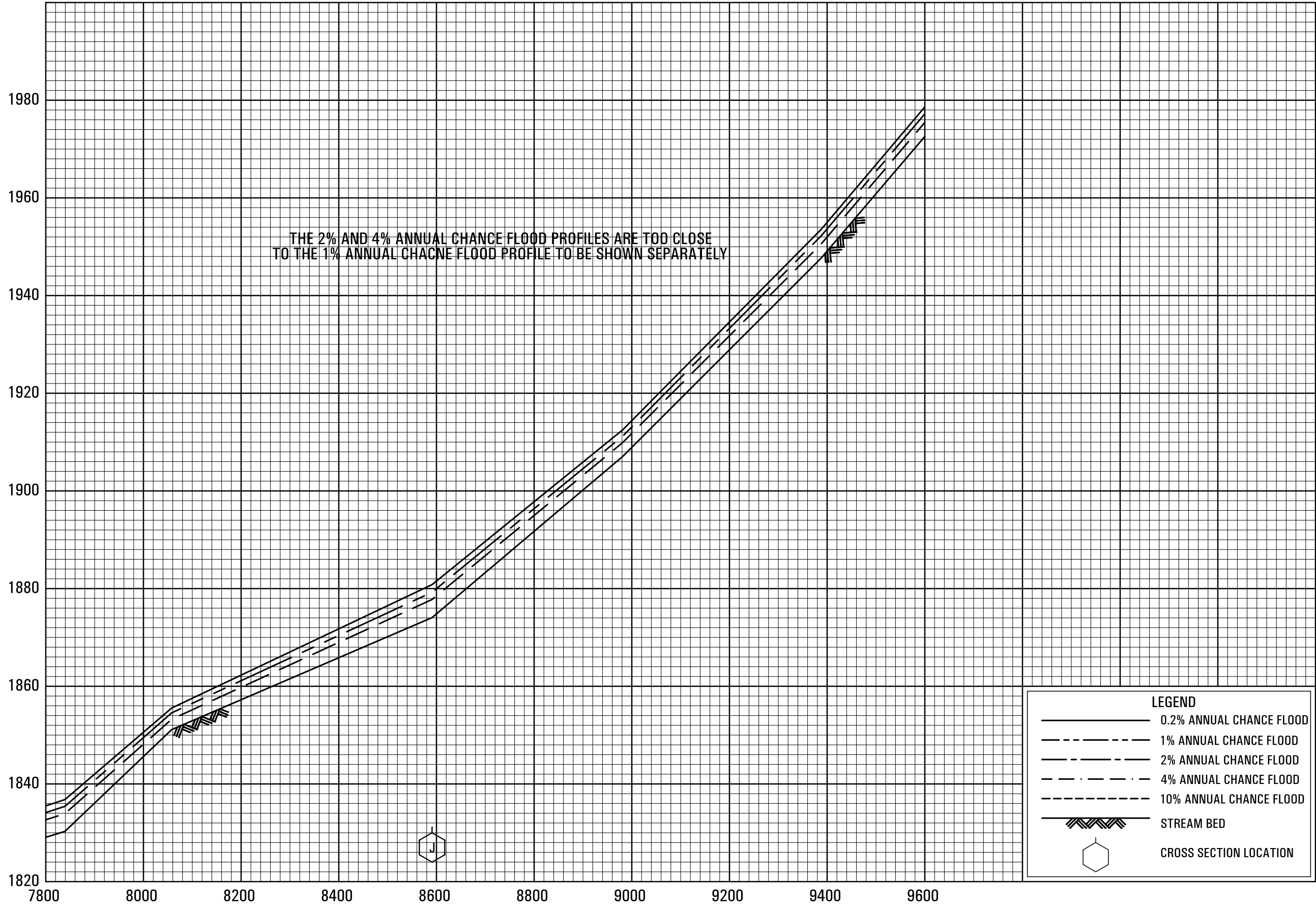
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ALTON CREEK



ELEVATION IN FEET (NAVD 88)



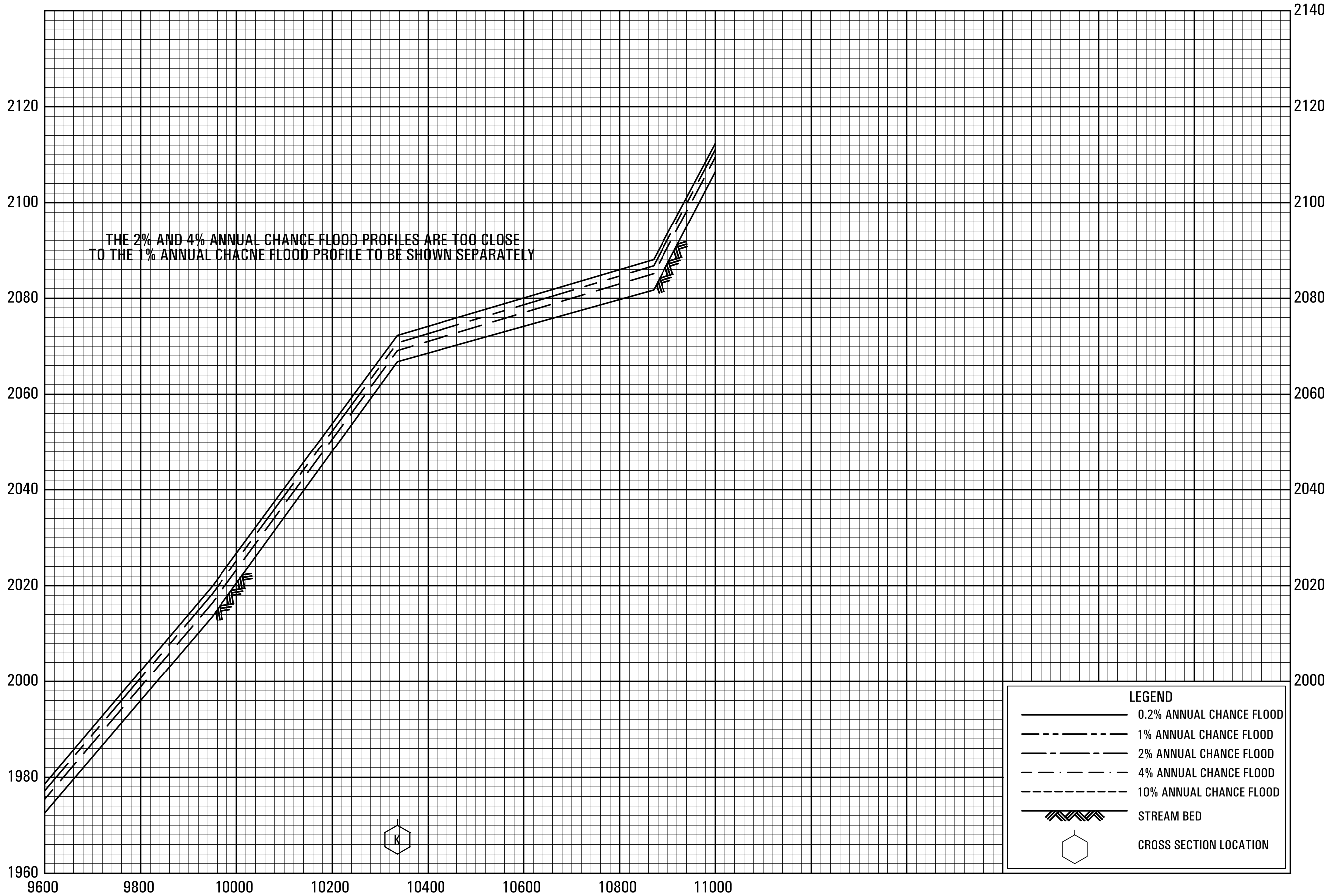
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH BIRCH CREEK

FLOOD PROFILES

ALTON CREEK

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ELEVATION IN FEET (NAVD 88)

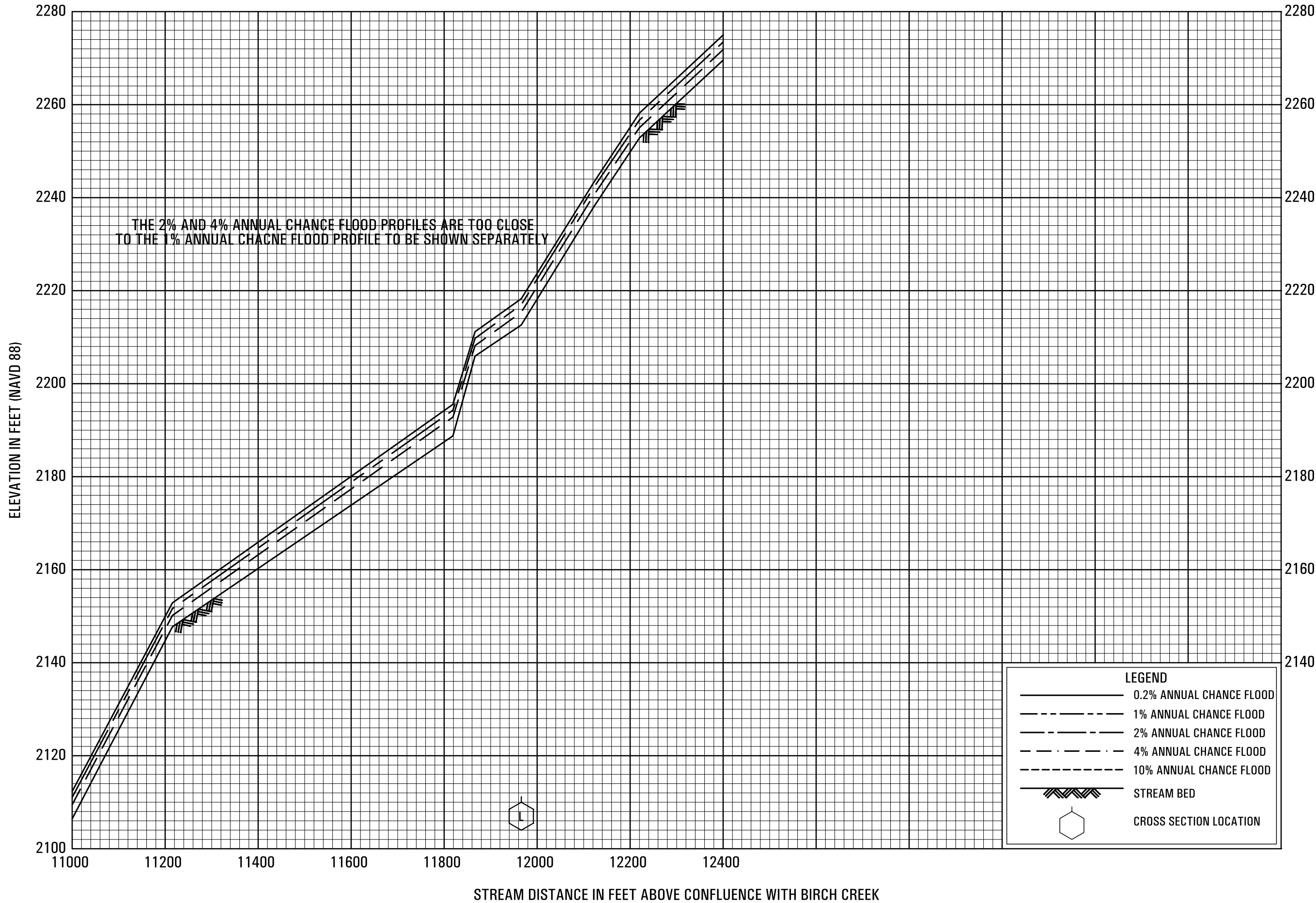


STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH BIRCH CREEK

FLOOD PROFILES

ALTON CREEK

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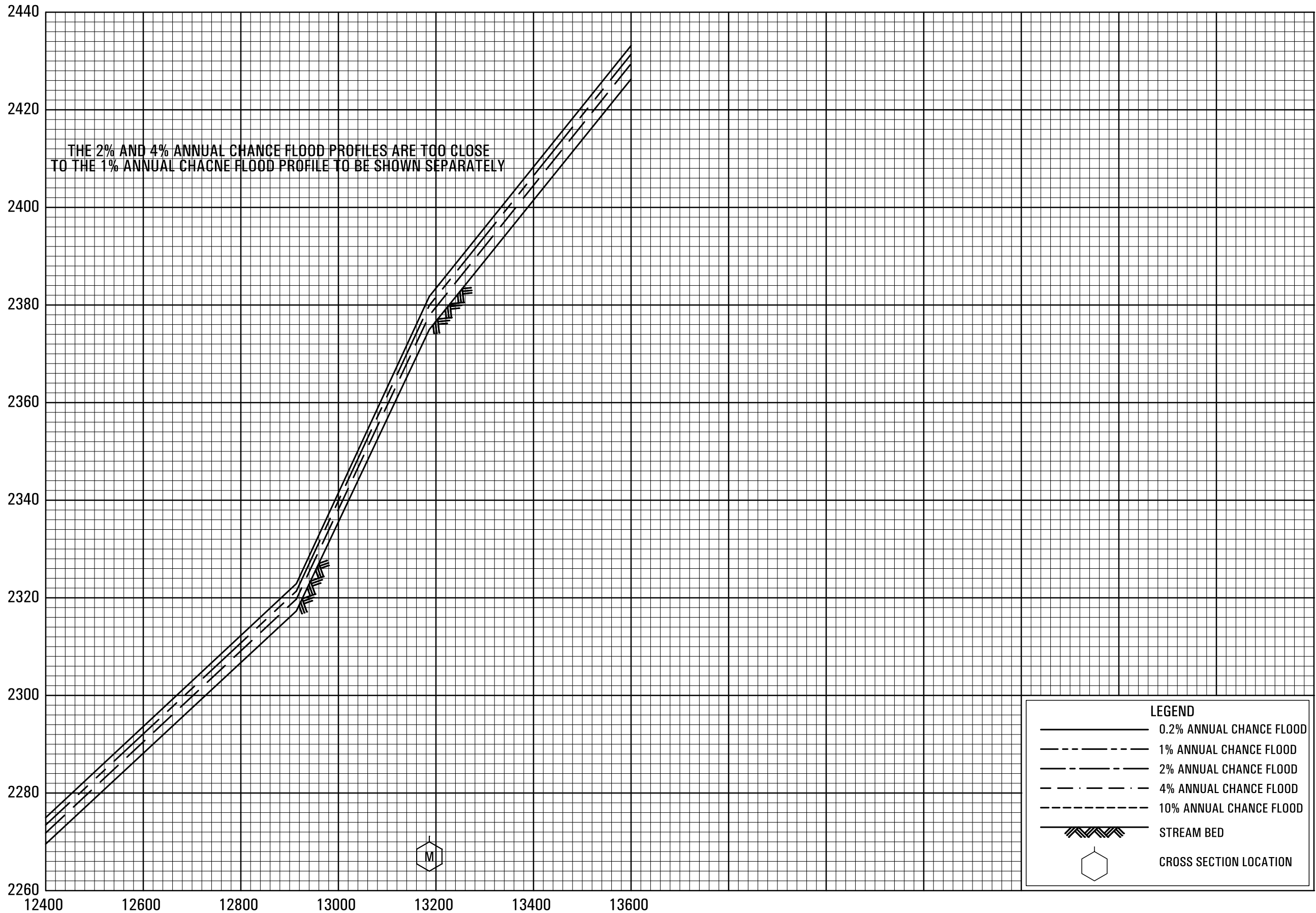


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**FLOOD PROFILES**

ALTON CREEK

ELEVATION IN FEET (NAVD 88)

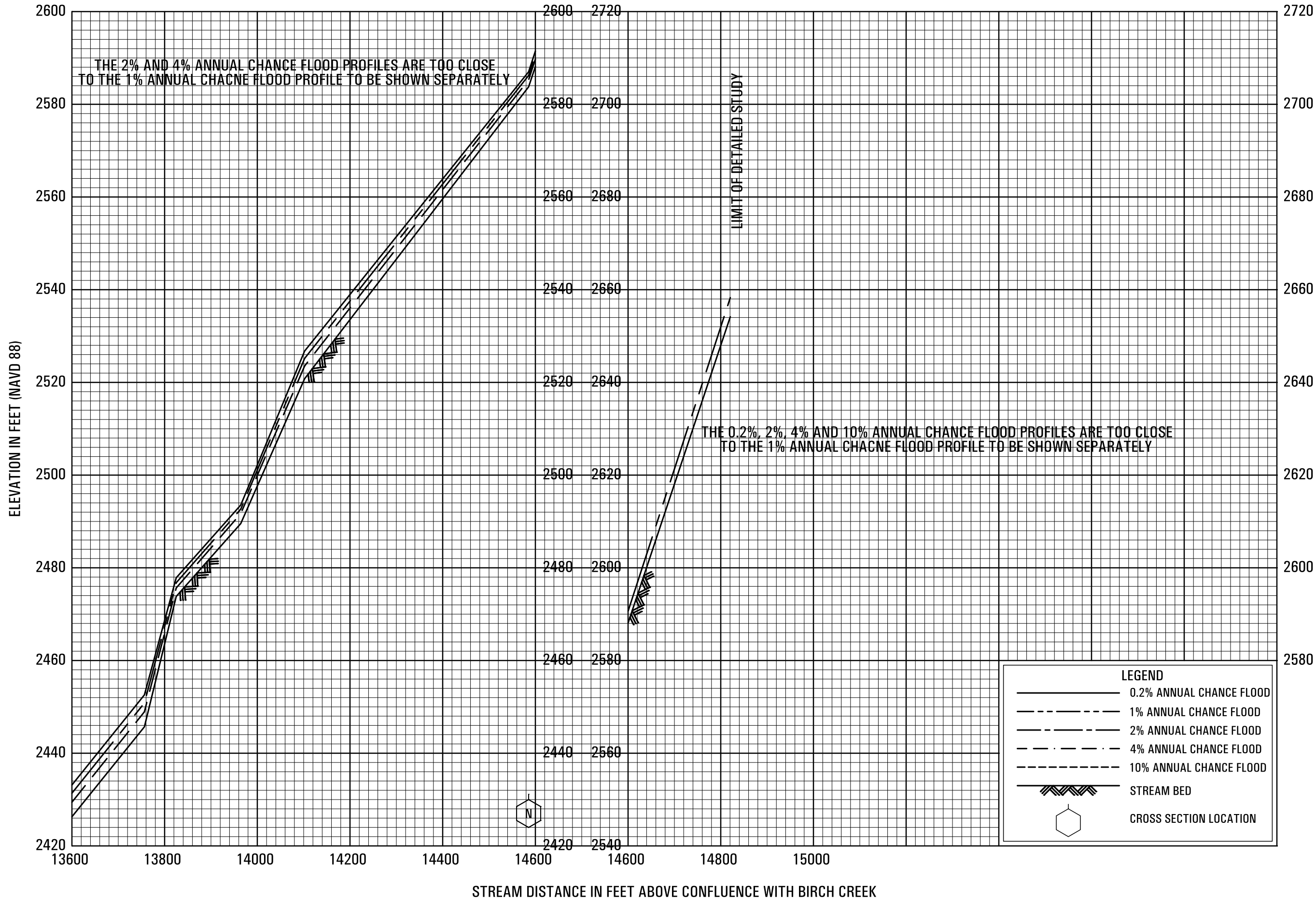


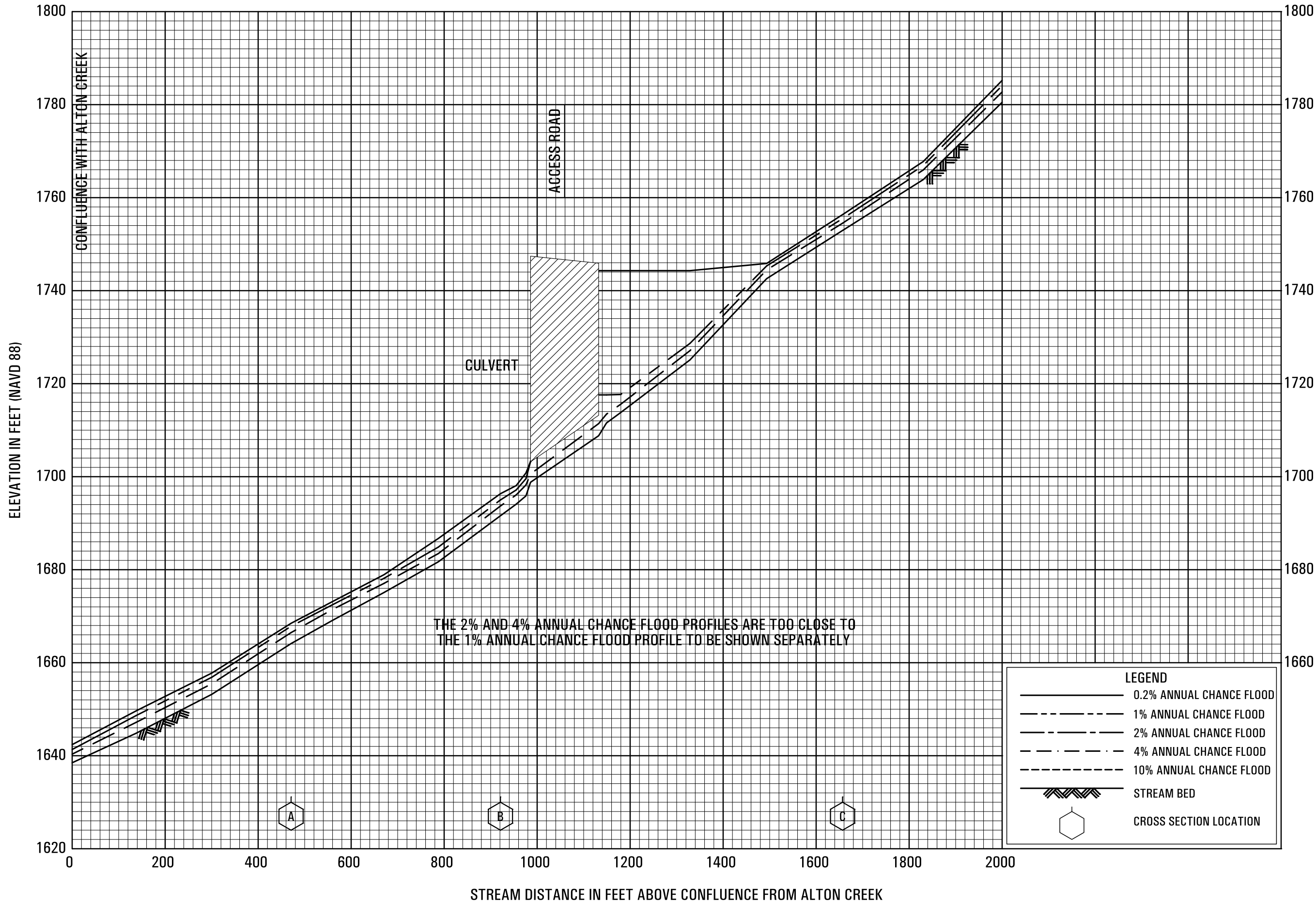
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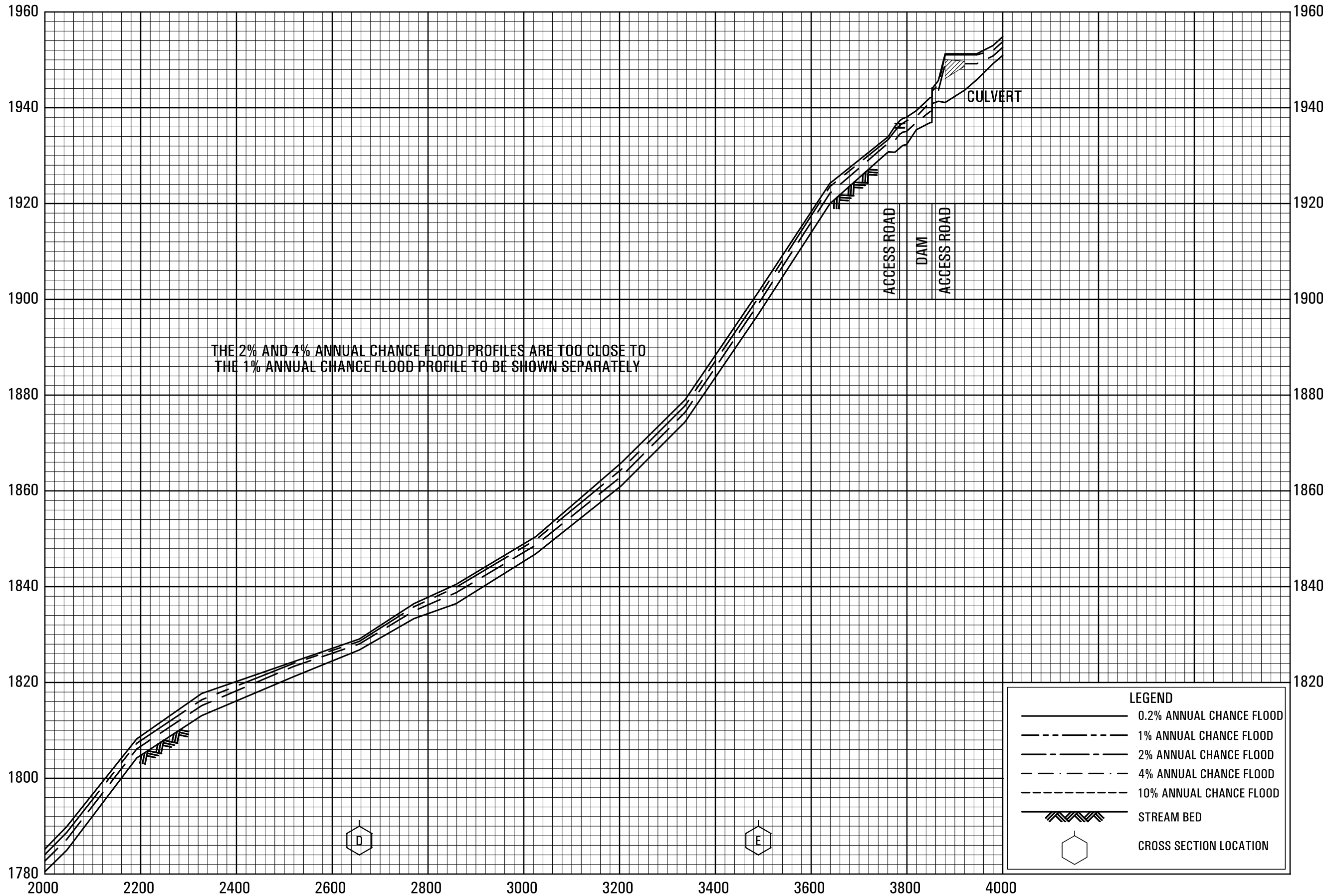
ALTON CREEK

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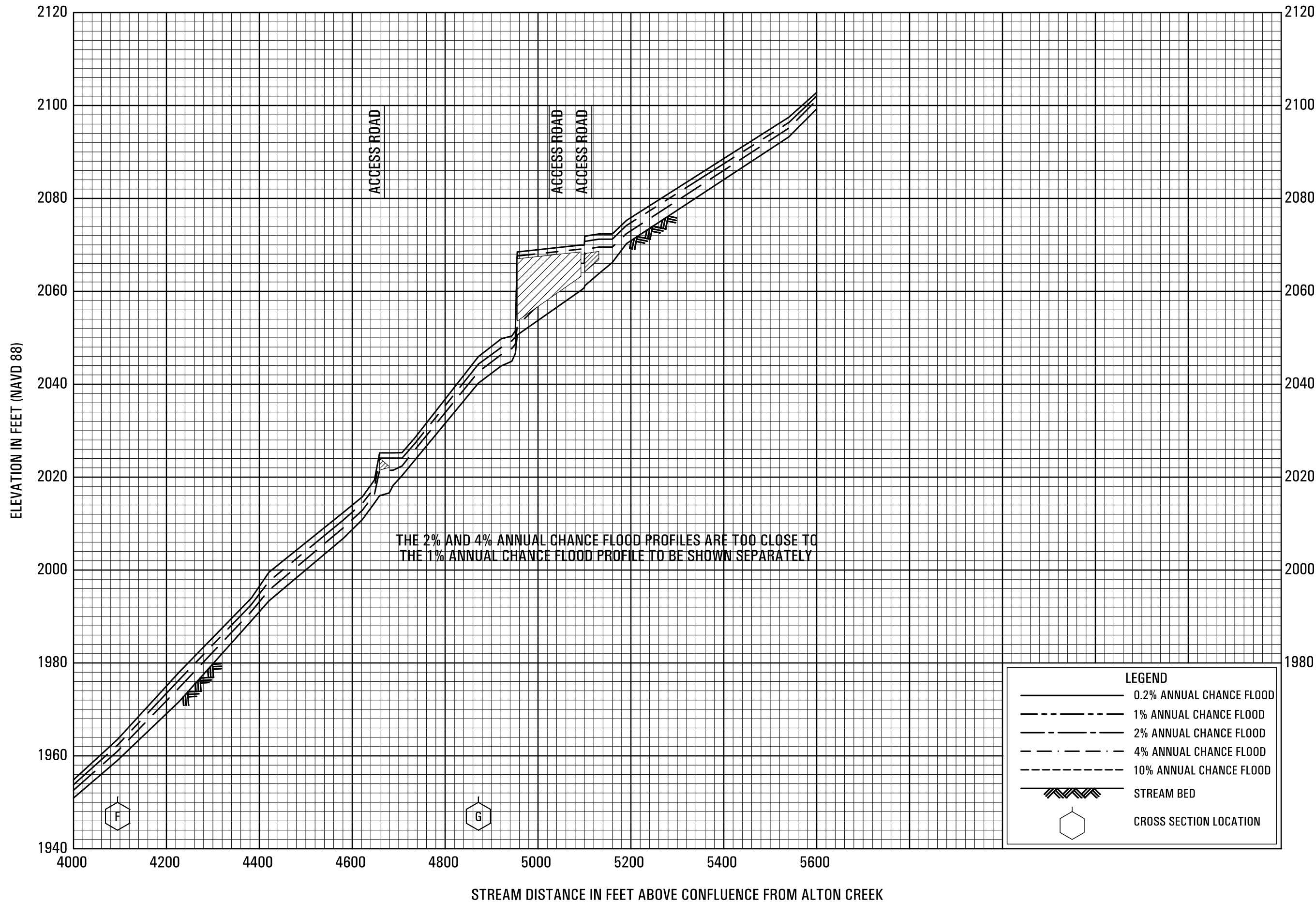


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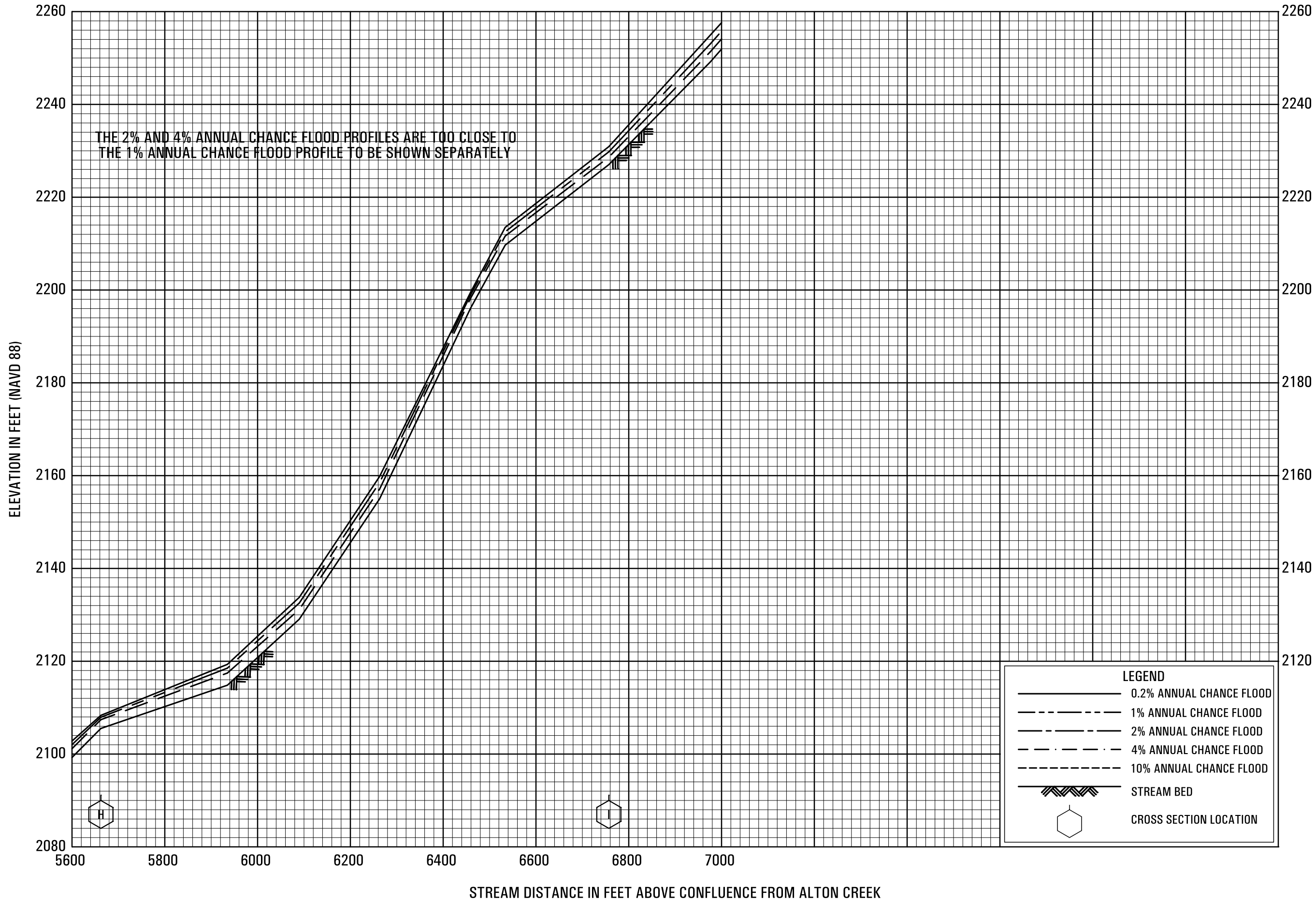
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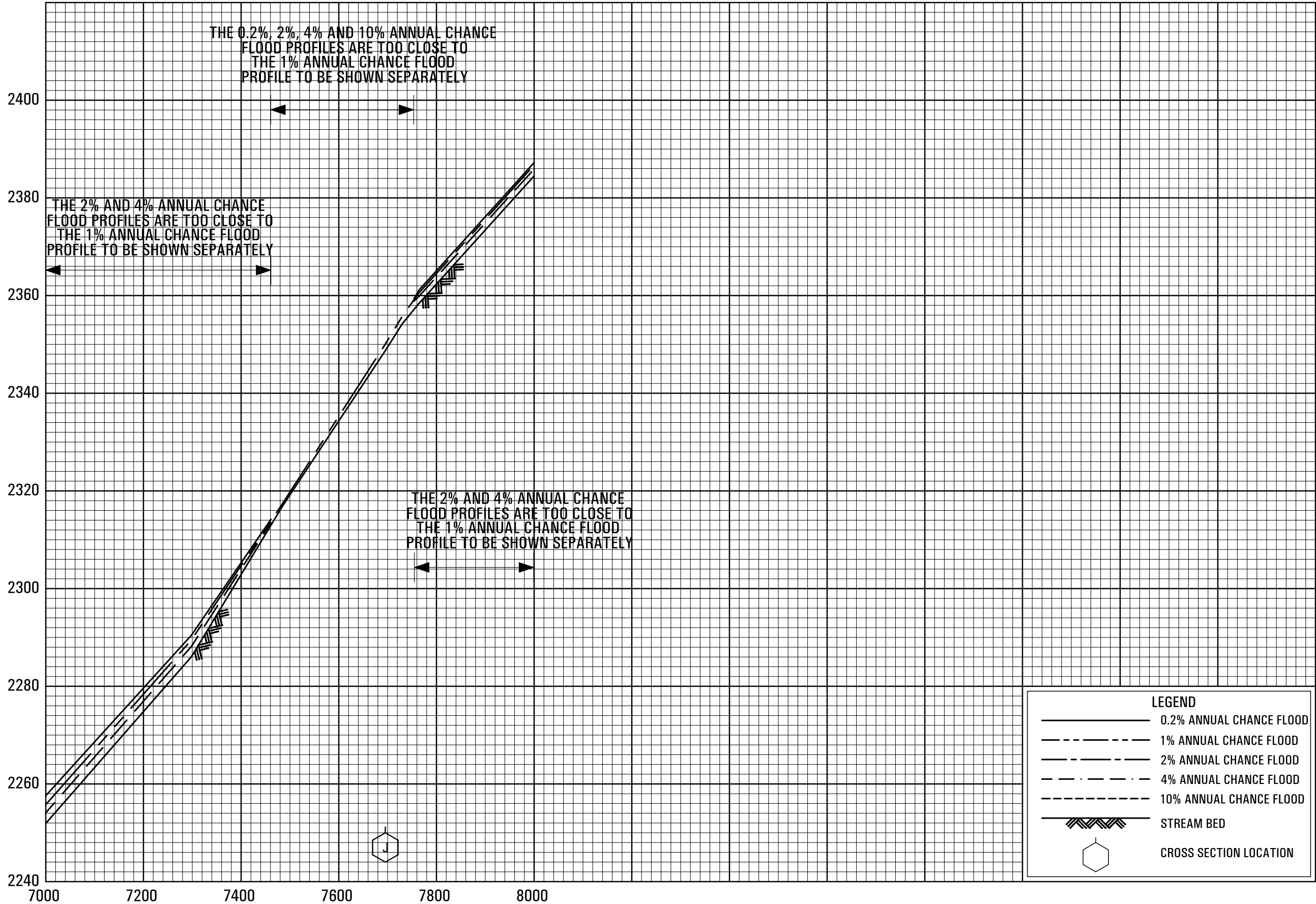
ALTON CREEK TRIBUTARY







ELEVATION IN FEET (NAVD 88)

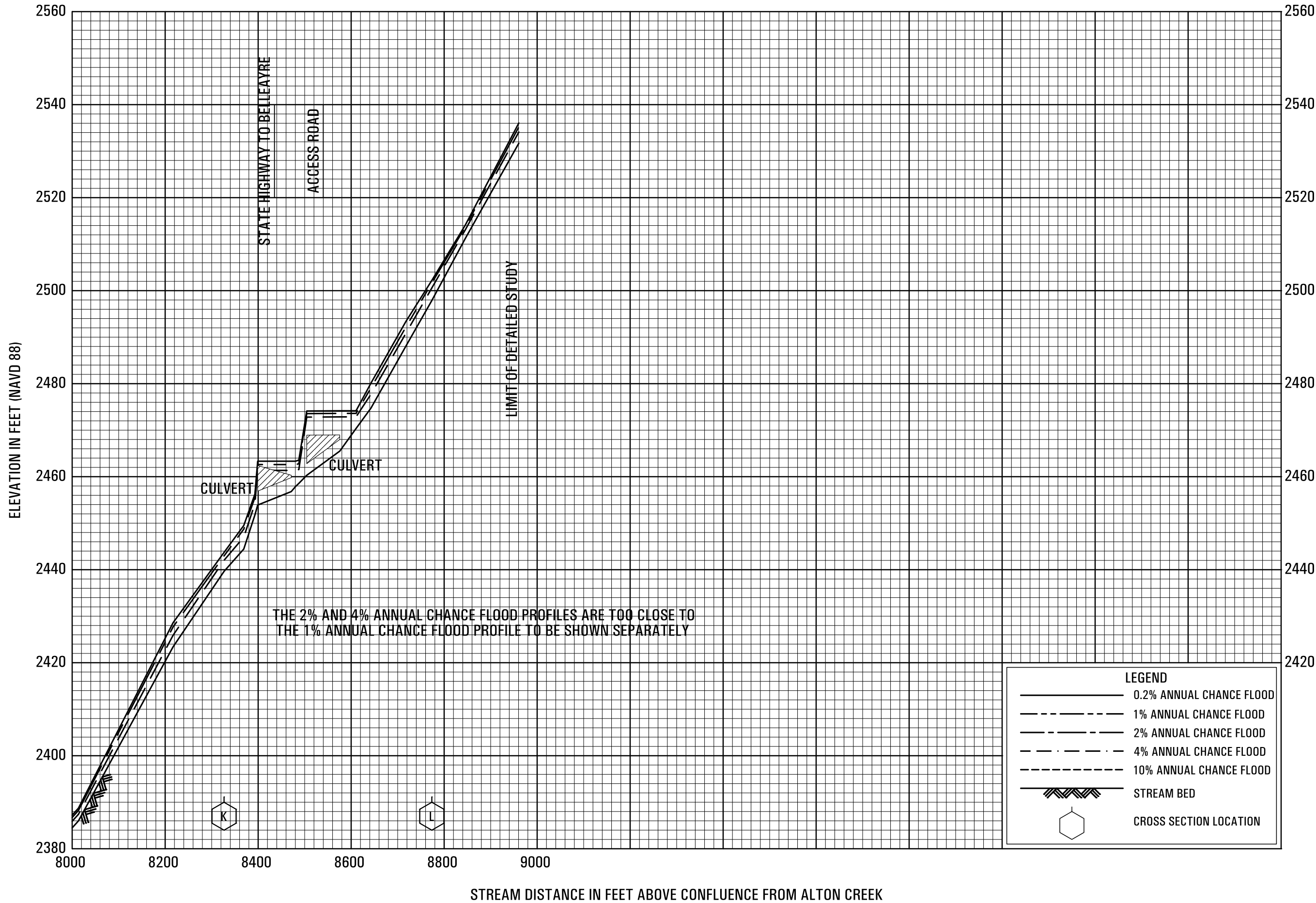


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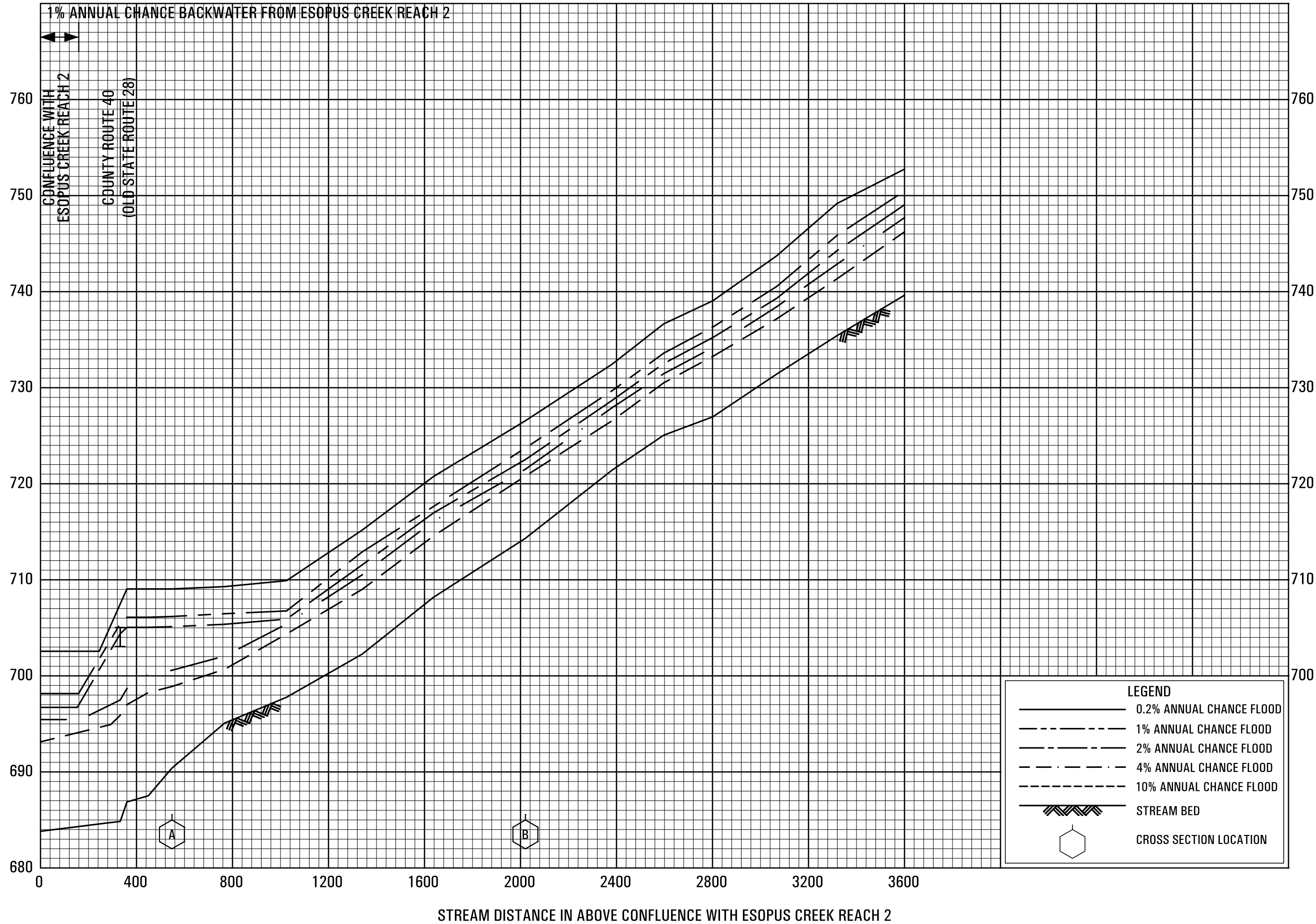
FLOOD PROFILES

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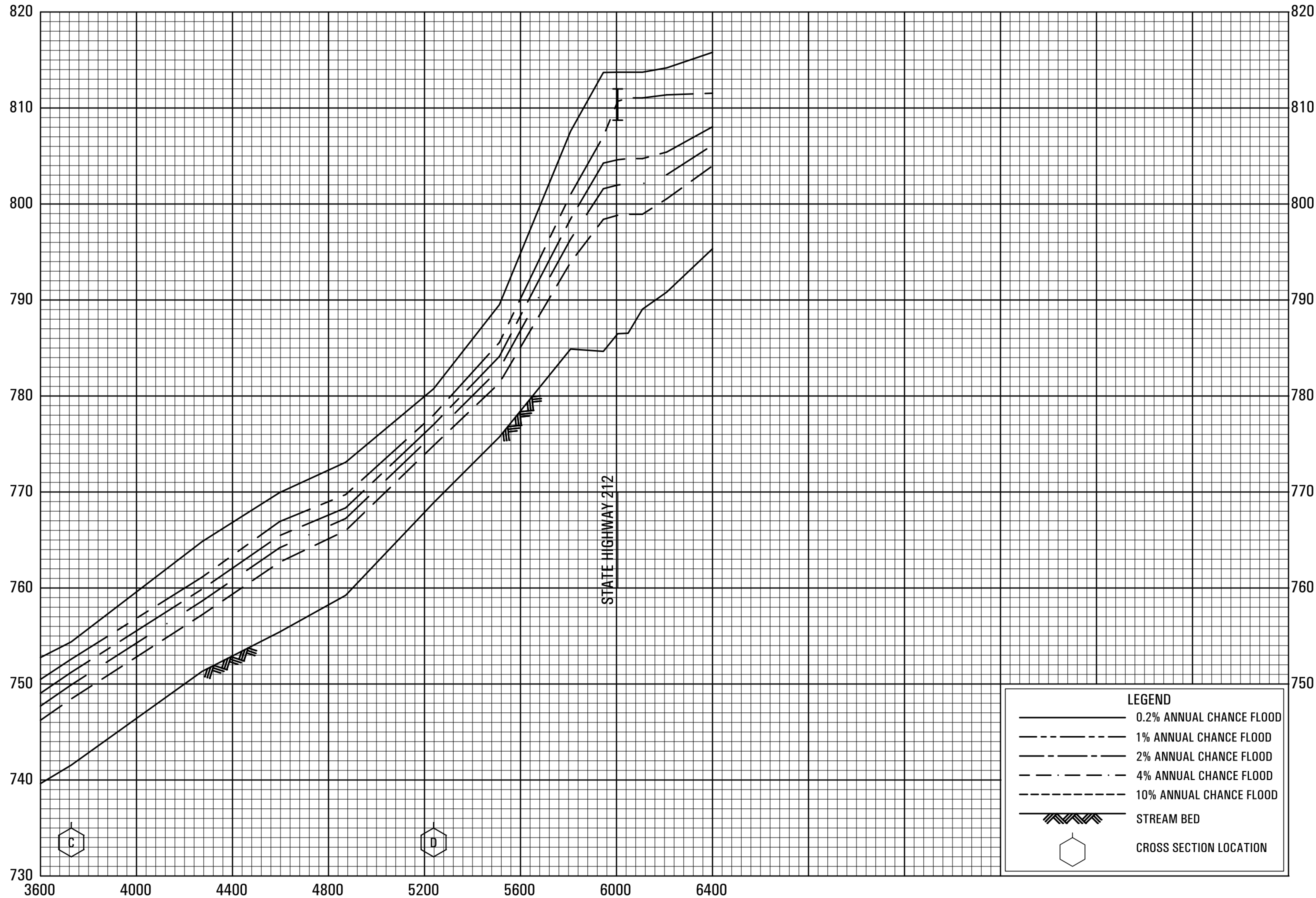


FLOOD PROFILES

BEAVER KILL

FEDERAL EMERGENCY MANAGEMENT AGENCY  
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ELEVATION IN FEET (NAVD 88)



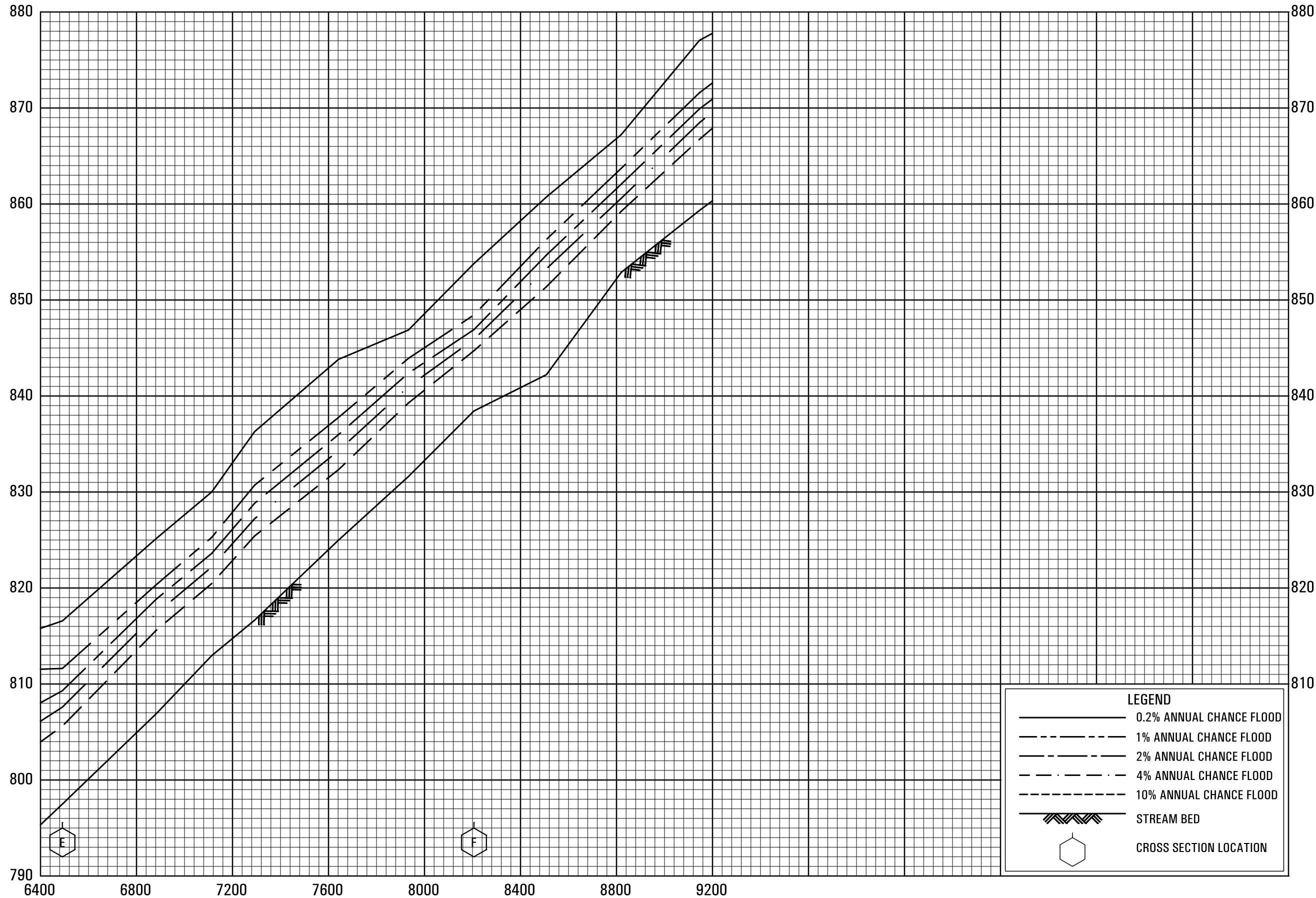
STREAM DISTANCE IN ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

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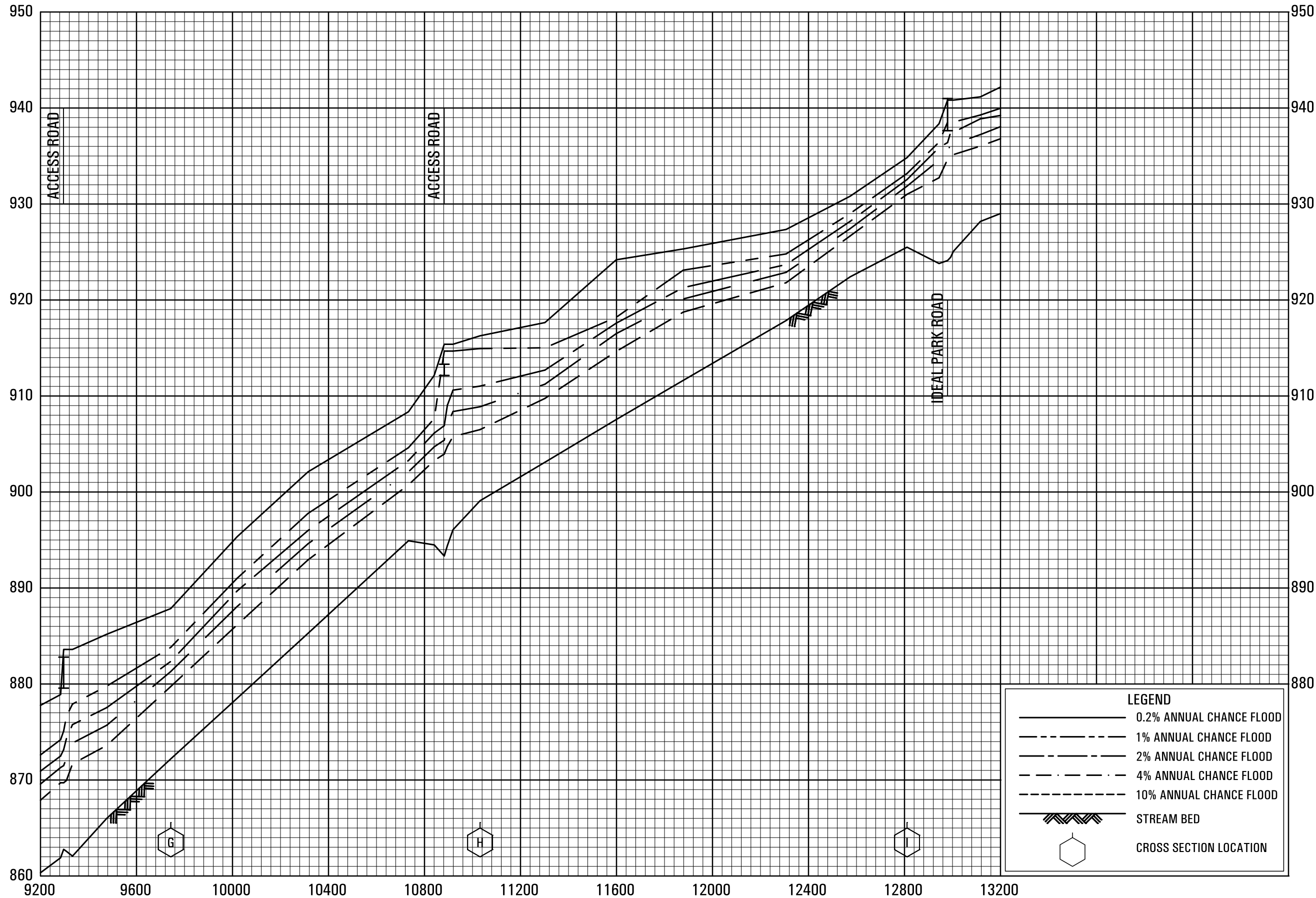
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**FLOOD PROFILES**

BEAVER KILL

ELEVATION IN FEET (NAVD 88)



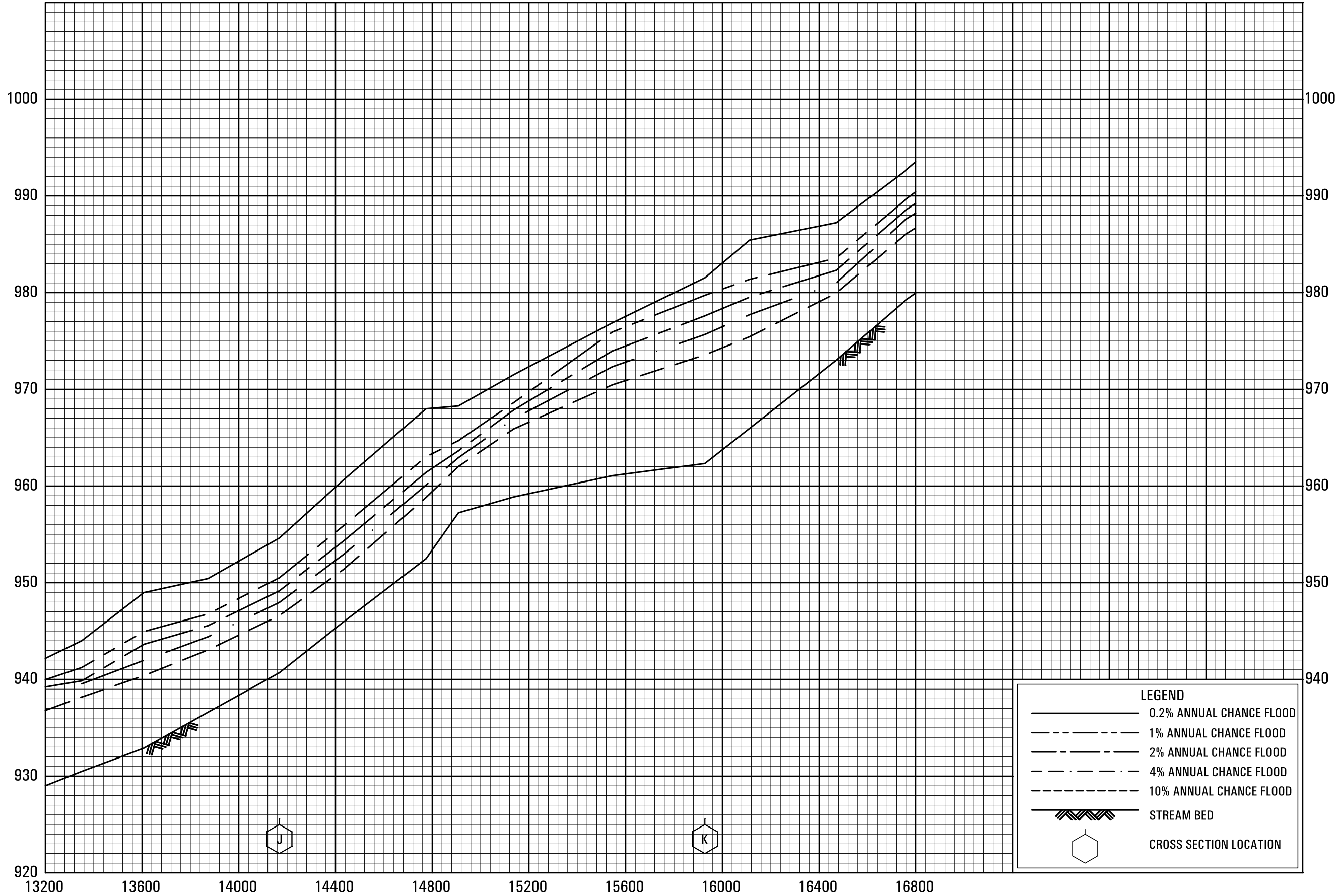
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STREAM DISTANCE IN ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

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BEAVER KILL

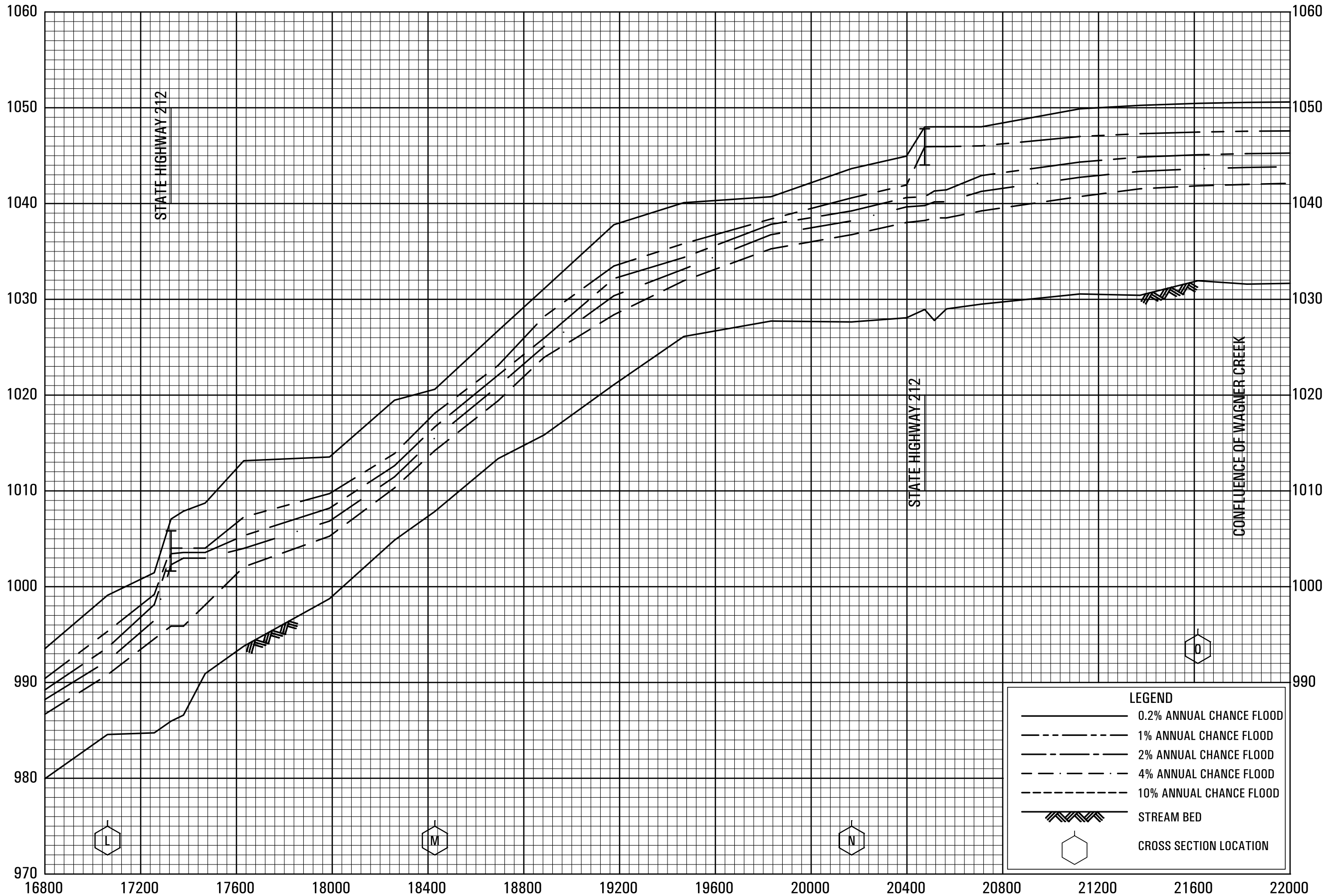
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ELEVATION IN FEET (NAVD 88)



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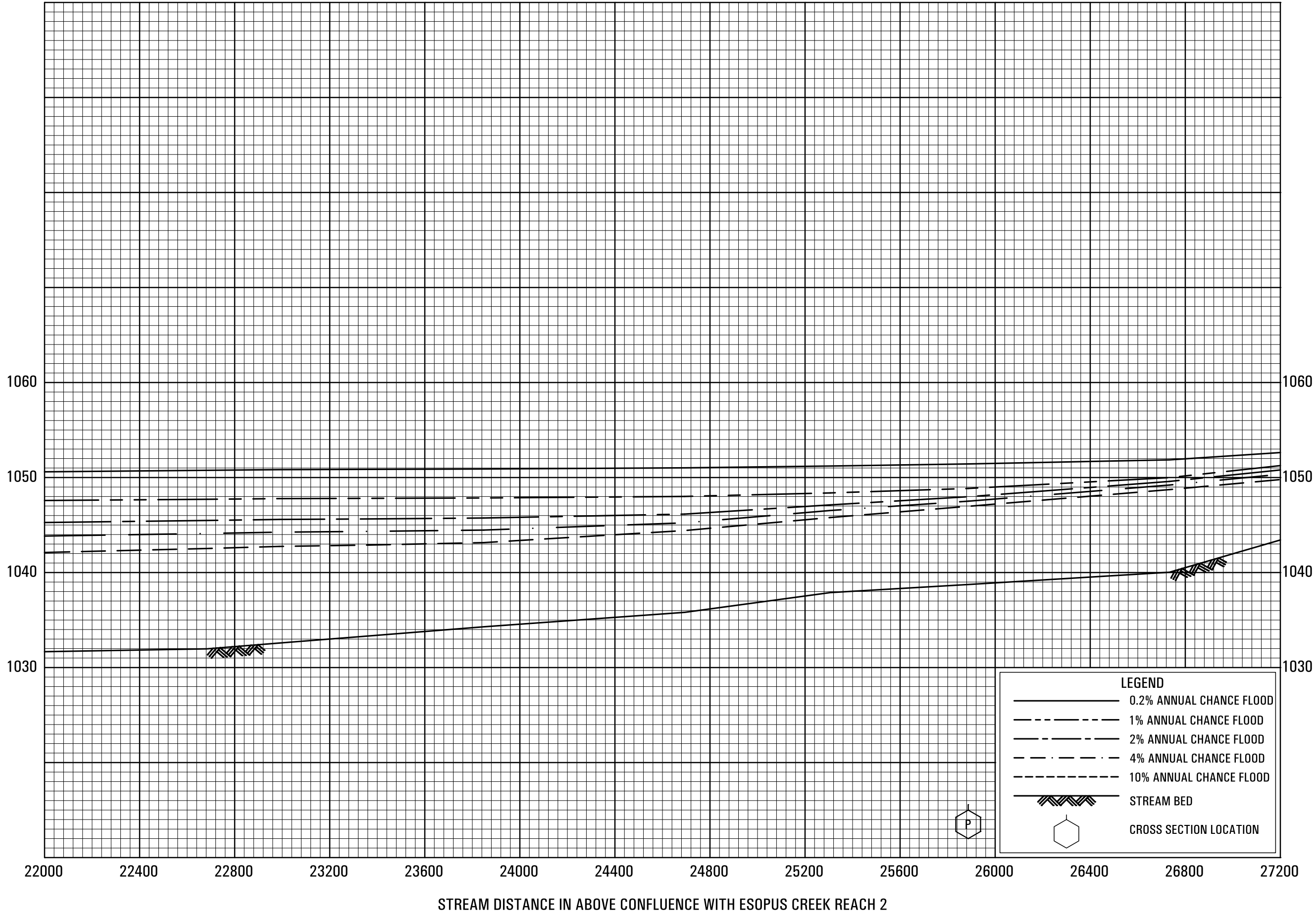
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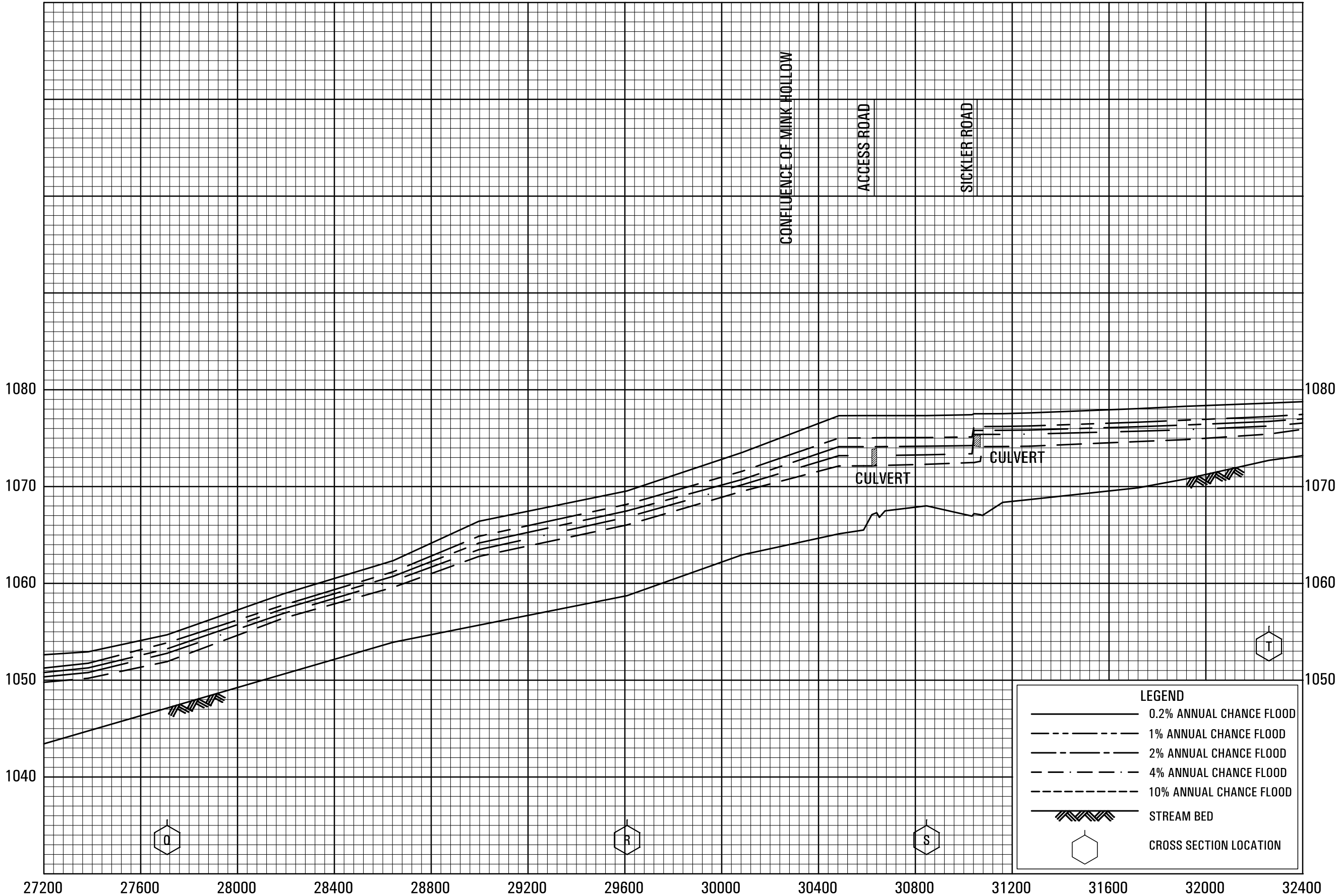


FLOOD PROFILES

BEAVER KILL

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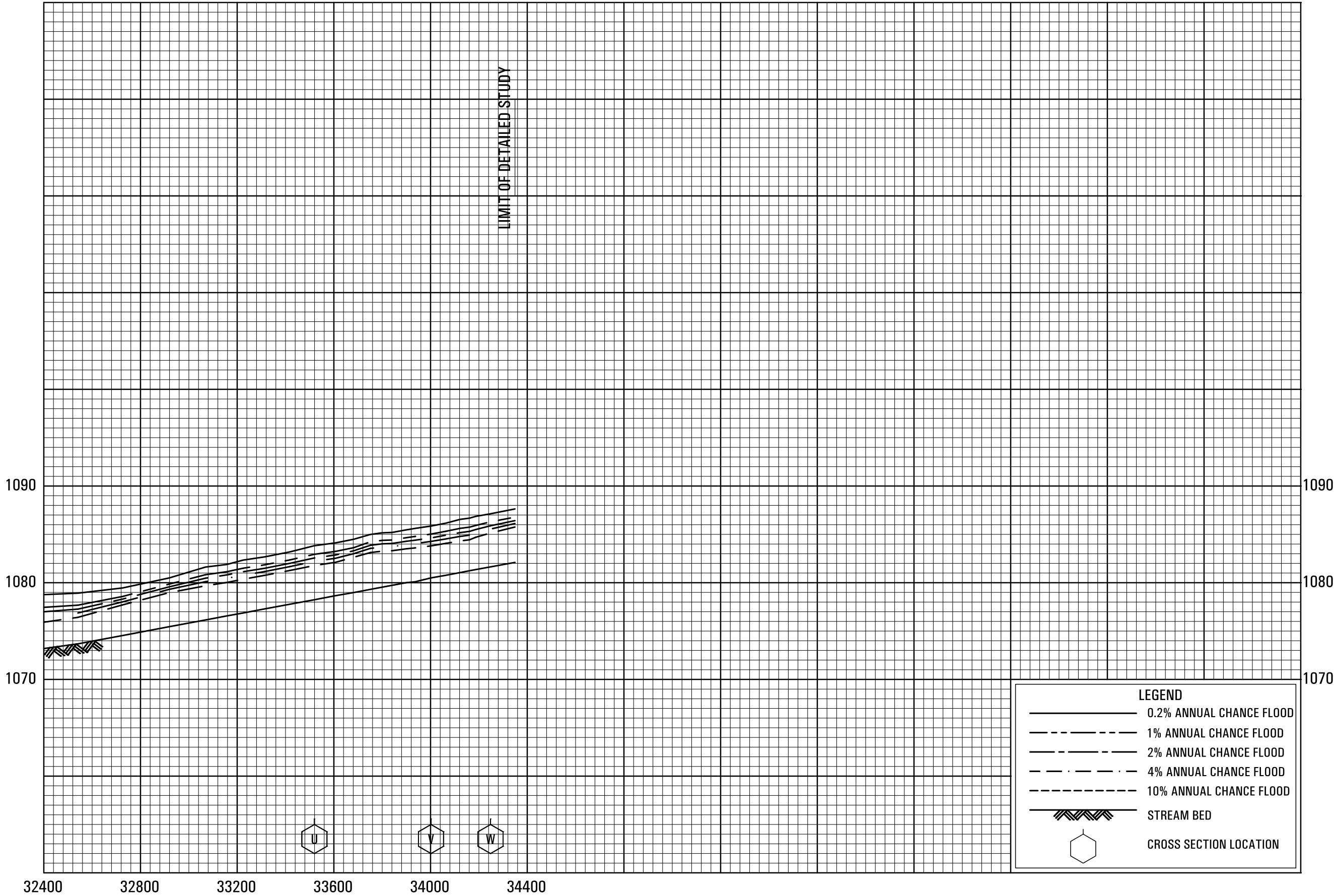
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**FLOOD PROFILES**

BEAVER KILL

ELEVATION IN FEET (NAVD 88)



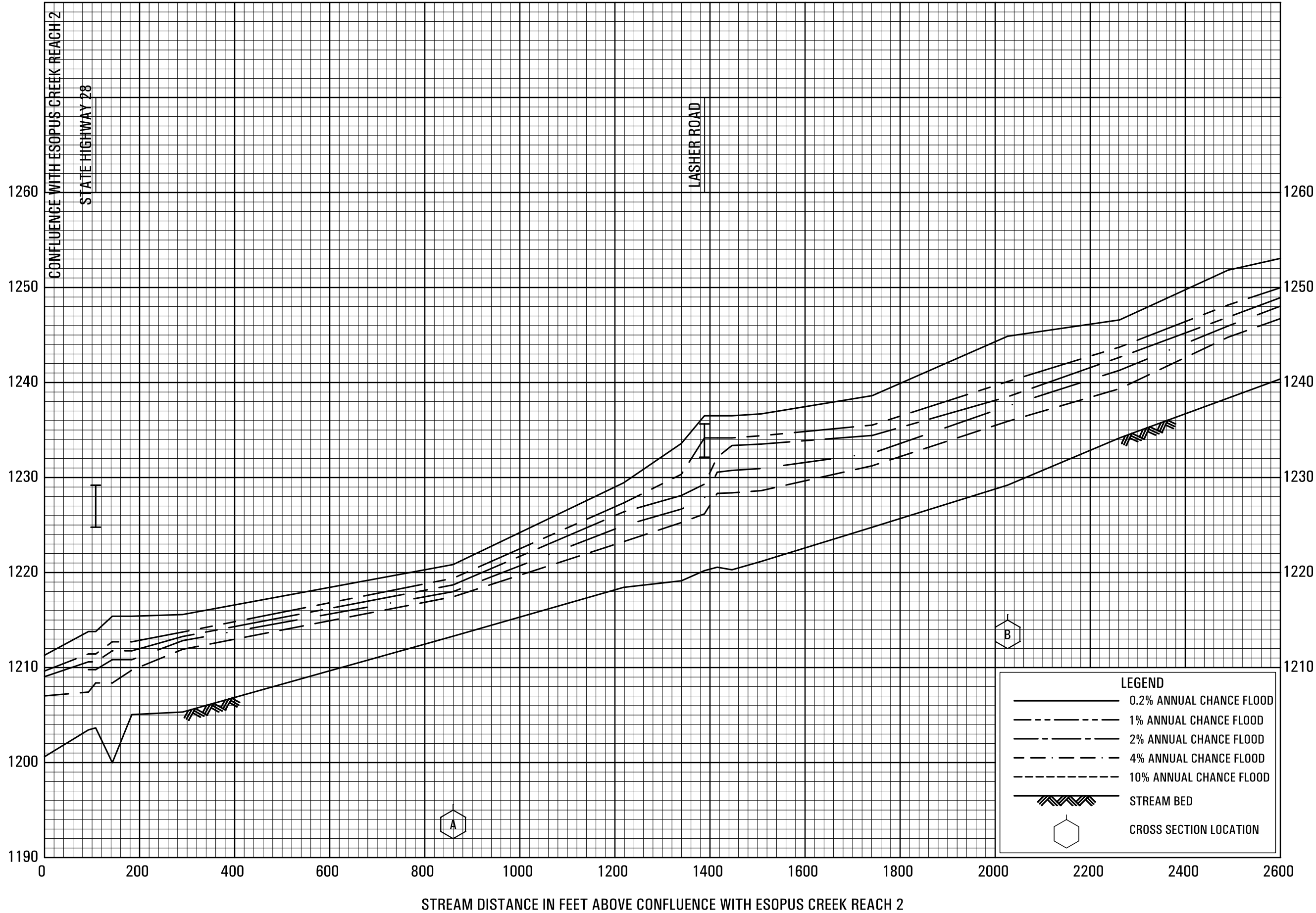
STREAM DISTANCE IN ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

BEAVER KILL

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ELEVATION IN FEET (NAVD 88)

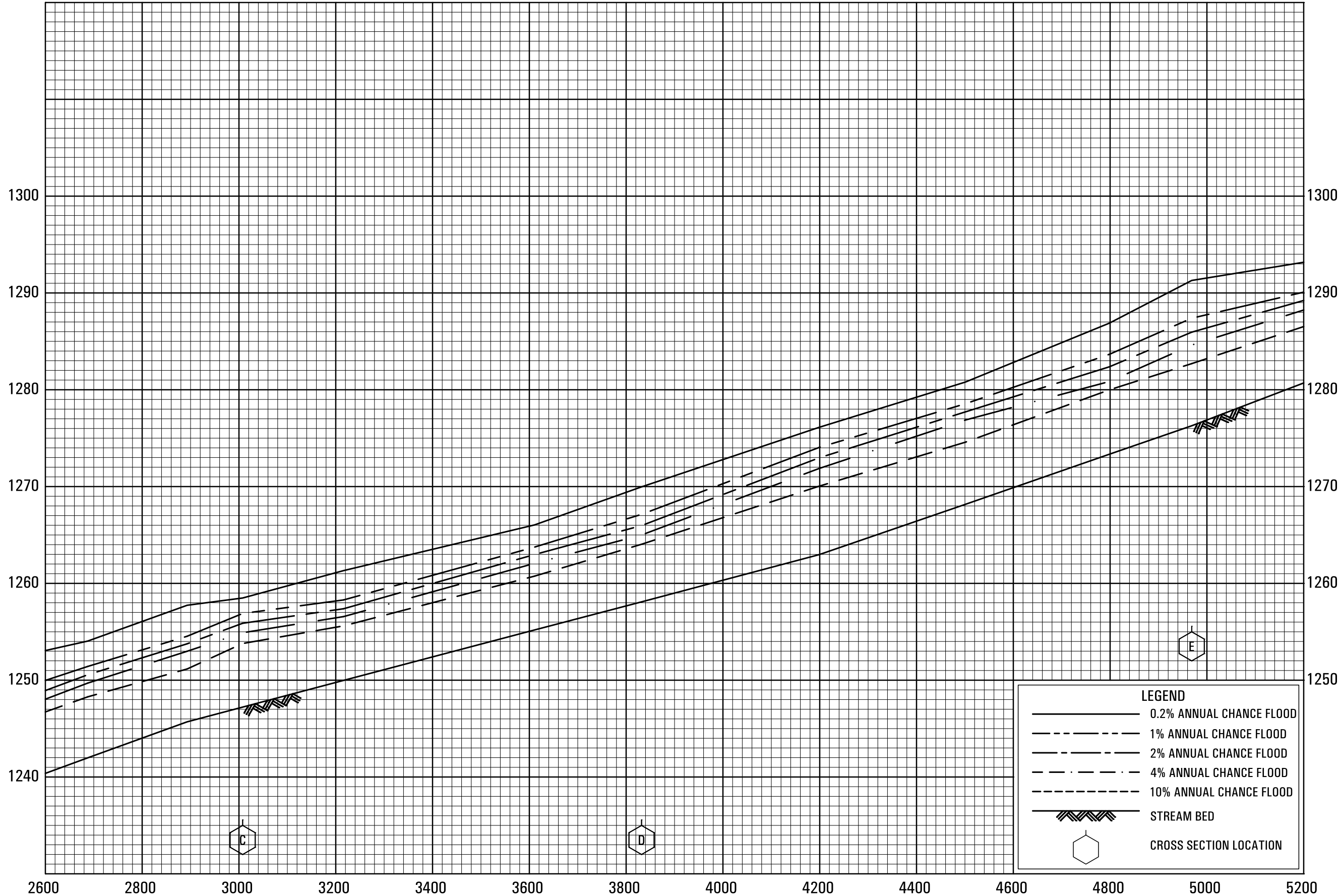


FLOOD PROFILES

BIRCH CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



LEGEND

0.2% ANNUAL CHANCE FLOOD

1% ANNUAL CHANCE FLOOD

2% ANNUAL CHANCE FLOOD

4% ANNUAL CHANCE FLOOD

10% ANNUAL CHANCE FLOOD

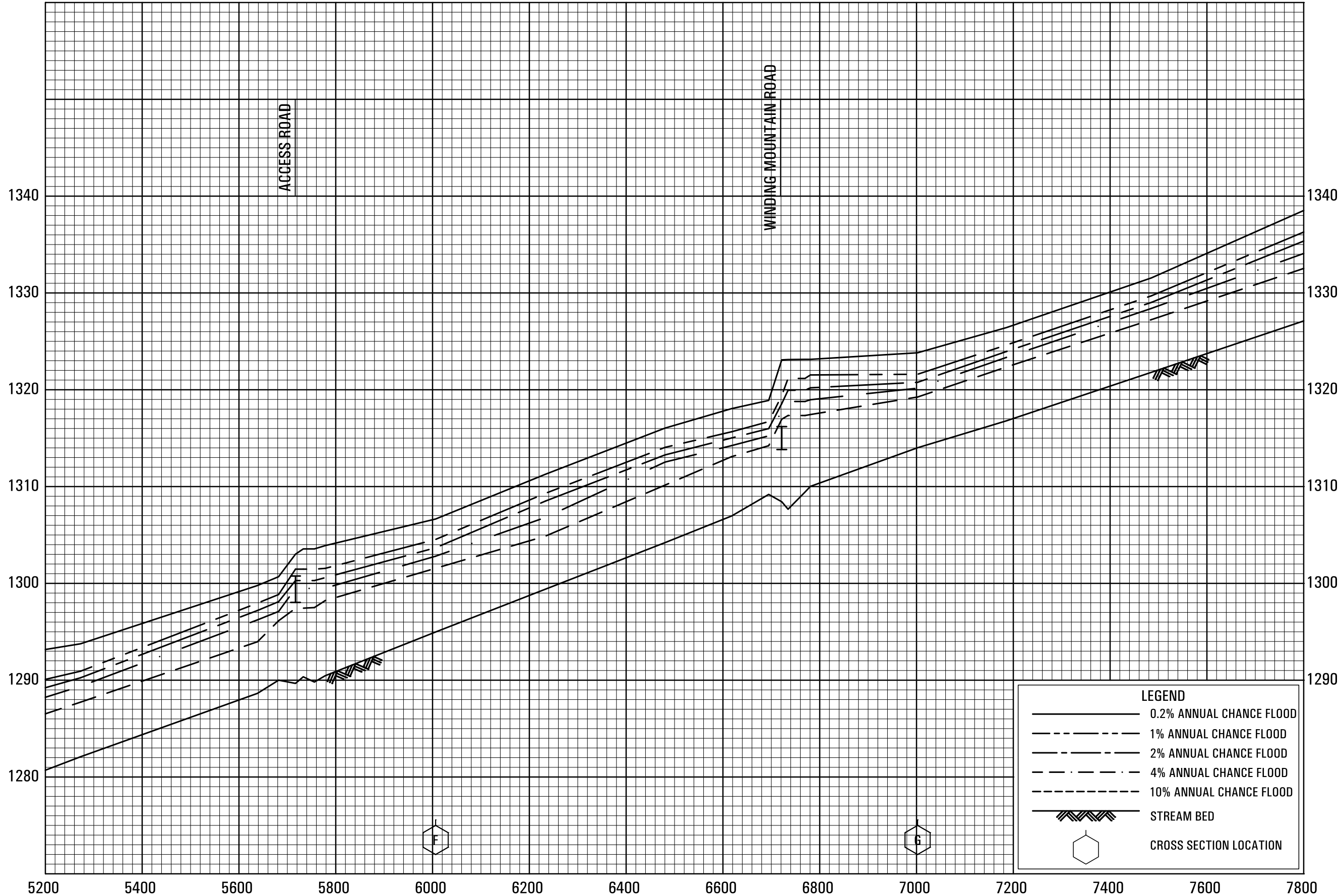
STREAM BED

CROSS SECTION LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
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**FLOOD PROFILES**  
BIRCH CREEK

ELEVATION IN FEET (NAVD 88)



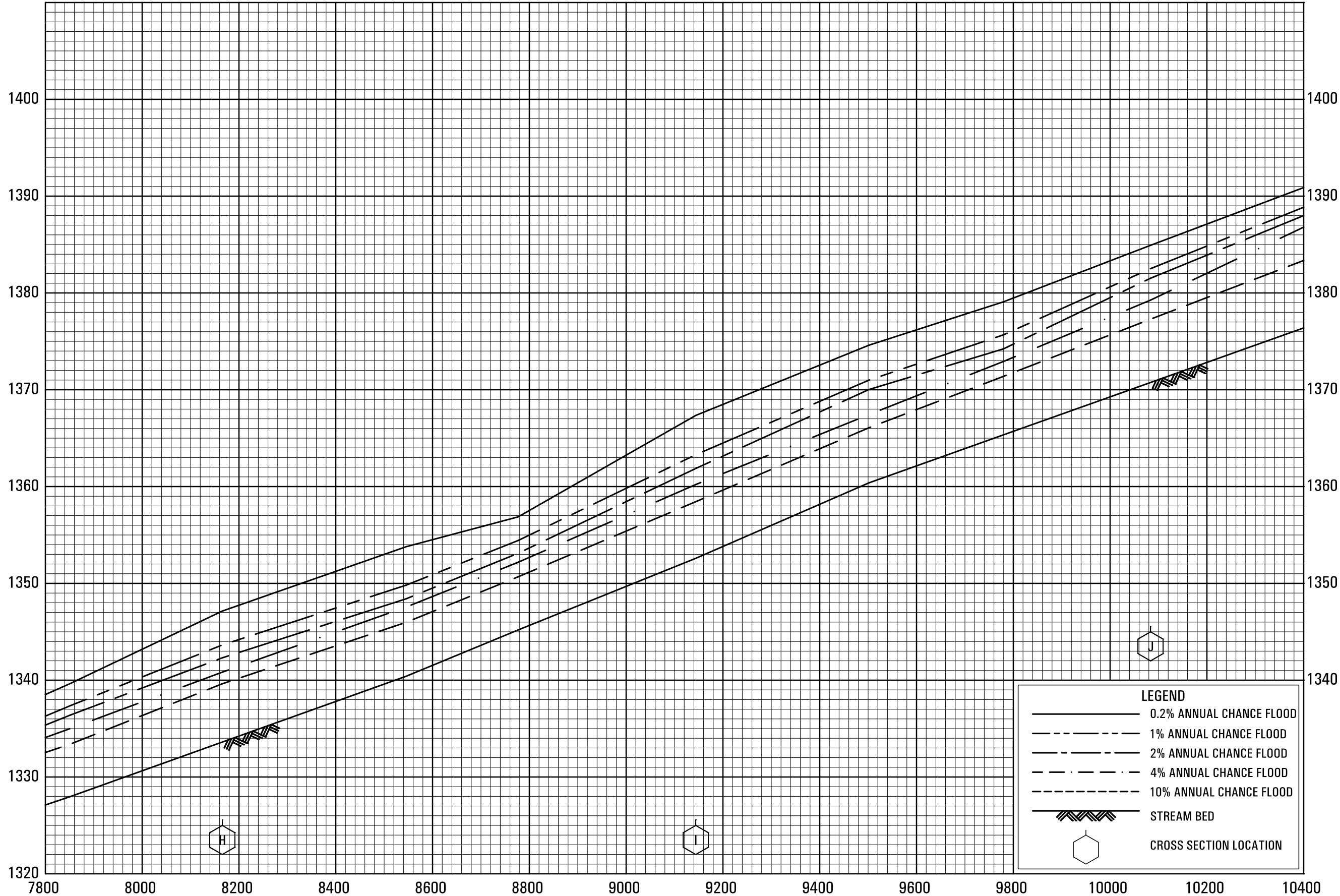
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

BIRCH CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
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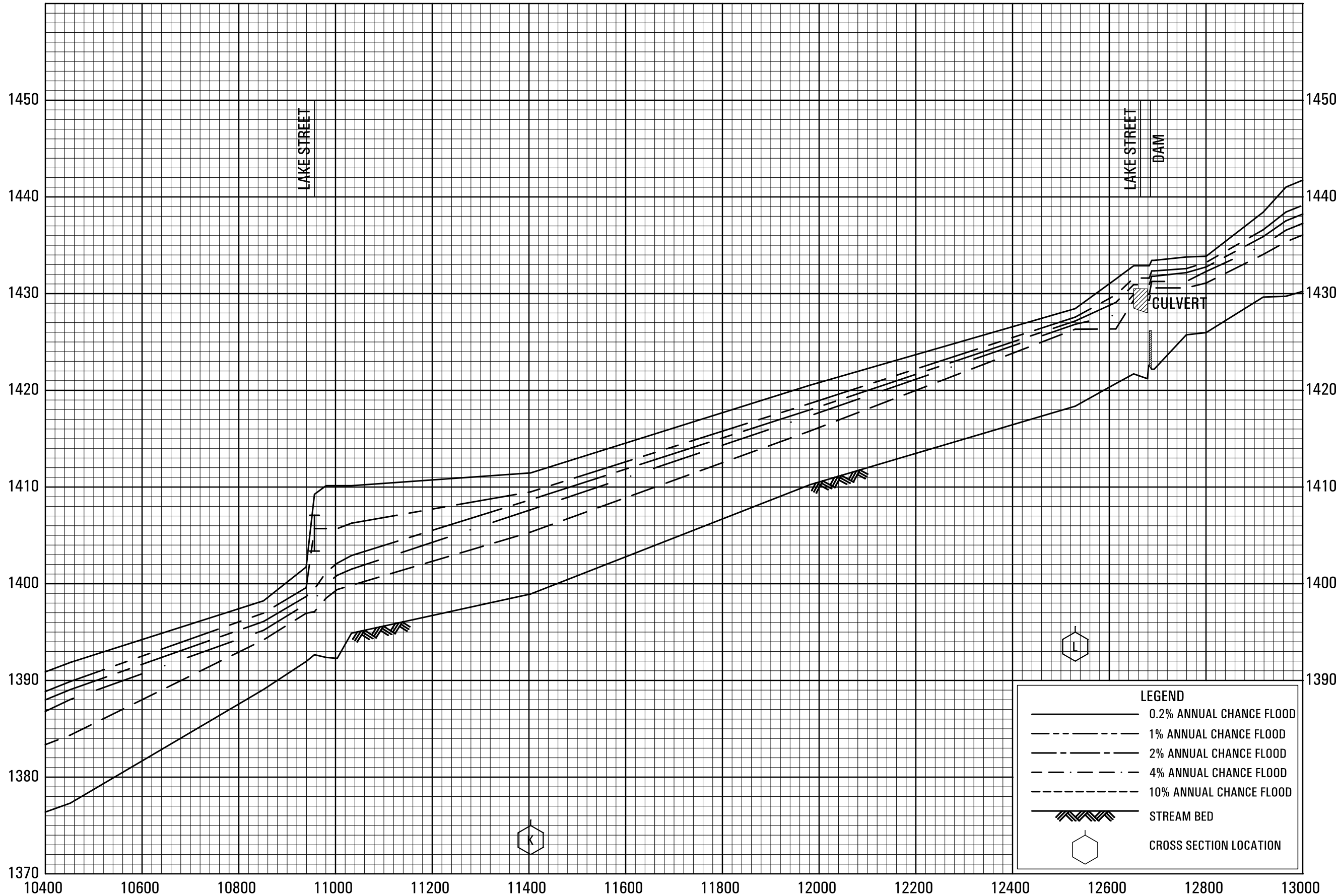
FLOOD PROFILES

BIRCH CREEK

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ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

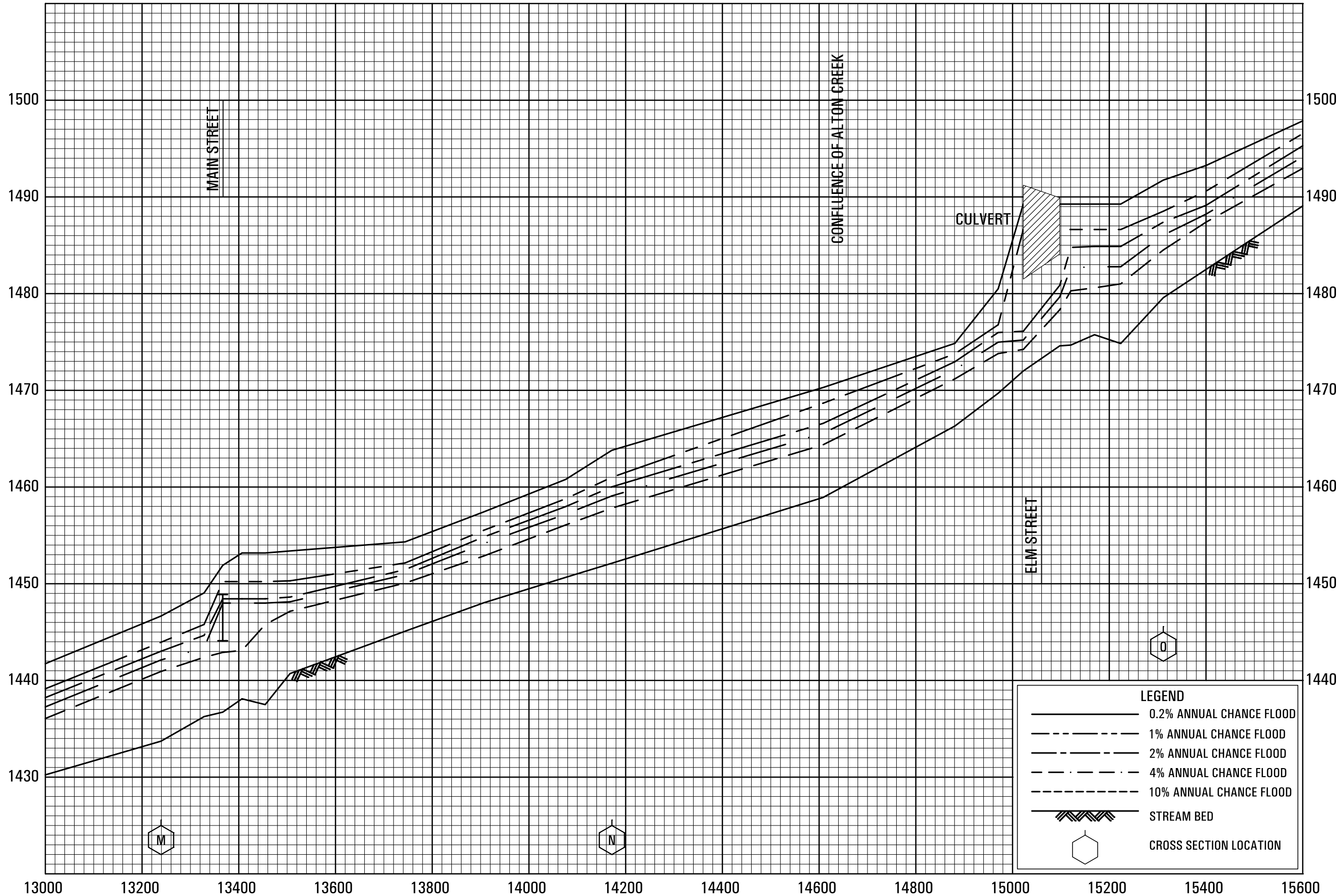
BIRCH CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ULSTER COUNTY, NY

(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



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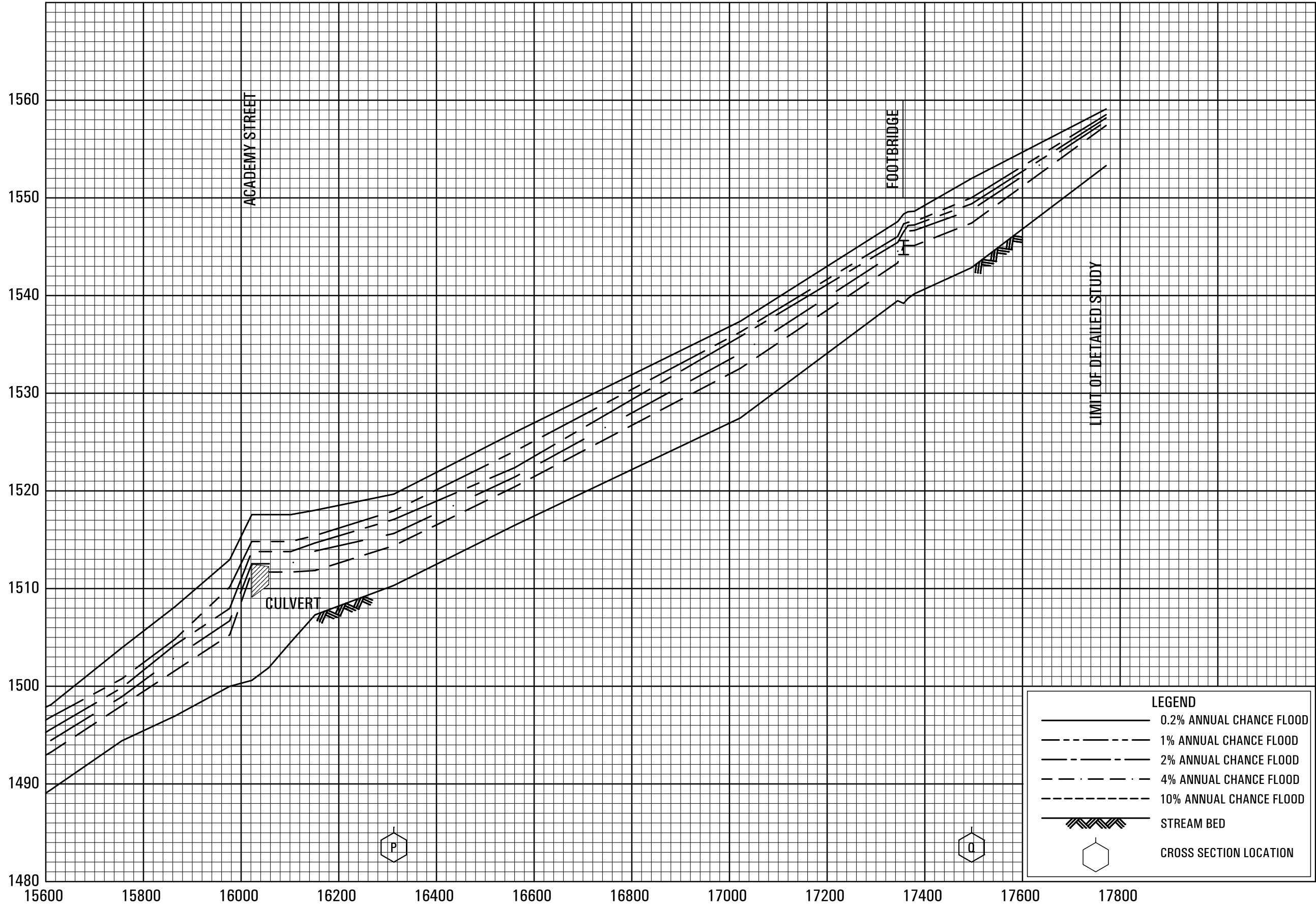
BIRCH CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ULSTER COUNTY, NY

(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)

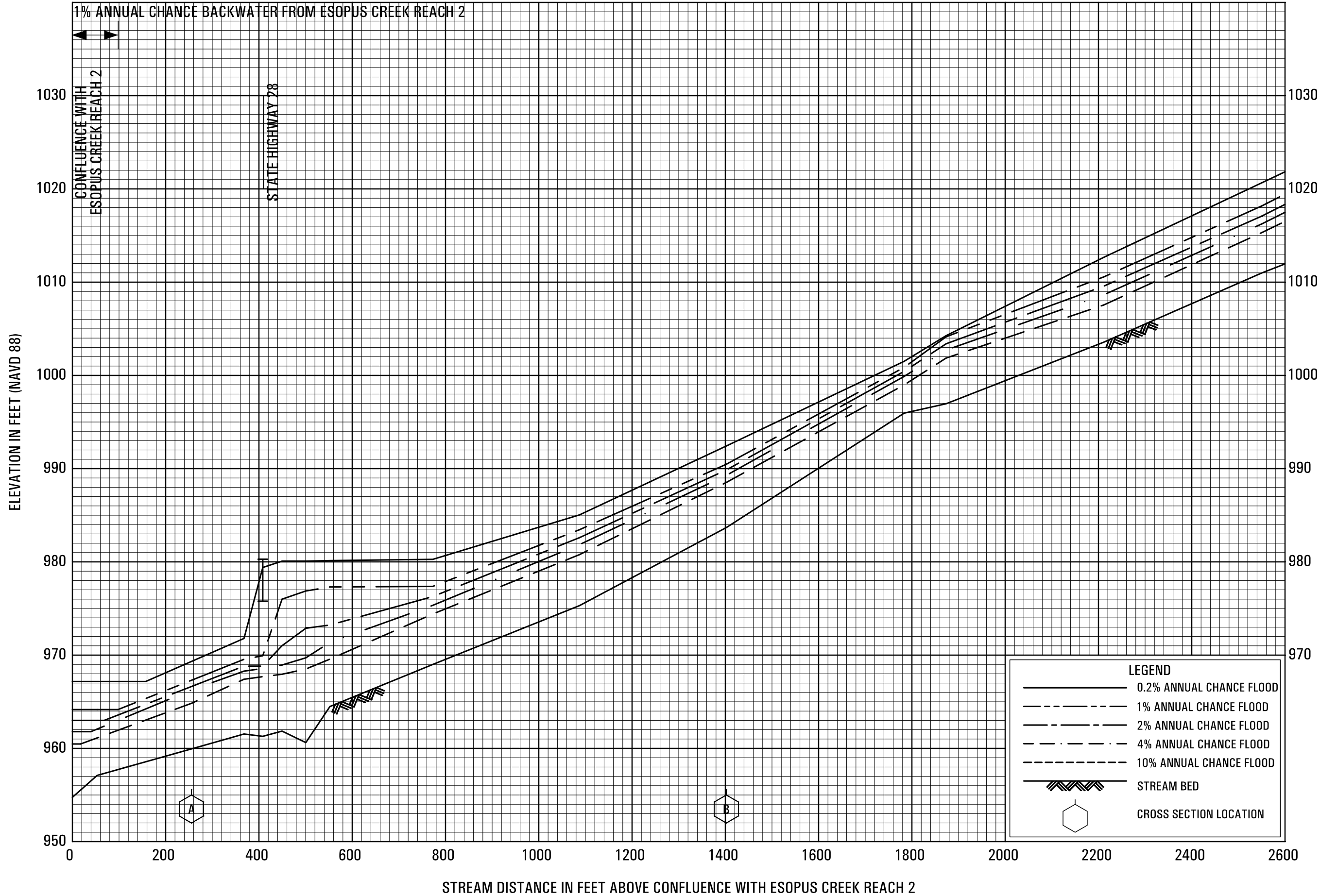


STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
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**FLOOD PROFILES**

BIRCH CREEK

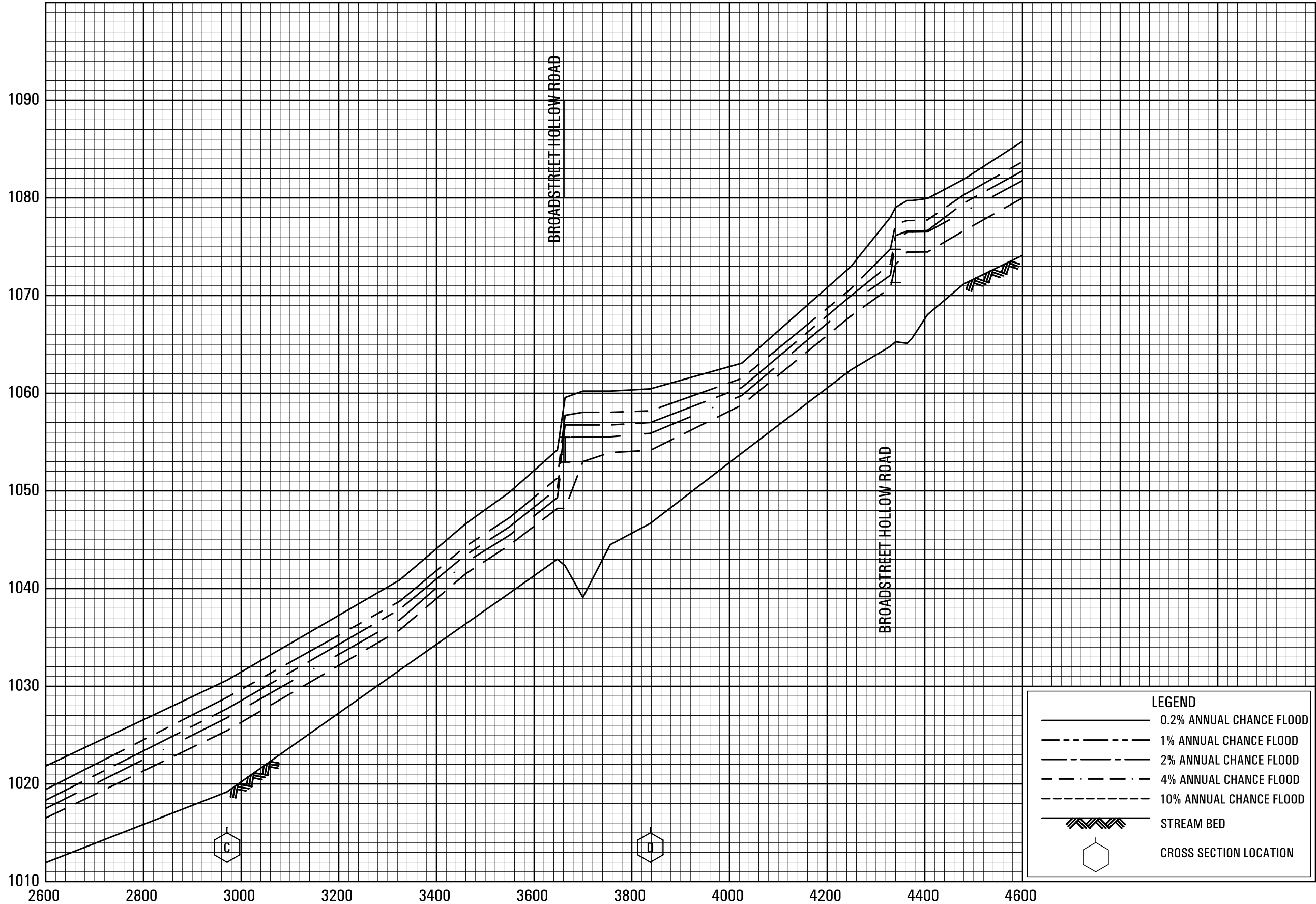


FLOOD PROFILES

BROADSTREET HOLLOW

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
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ELEVATION IN FEET (NAVD 88)

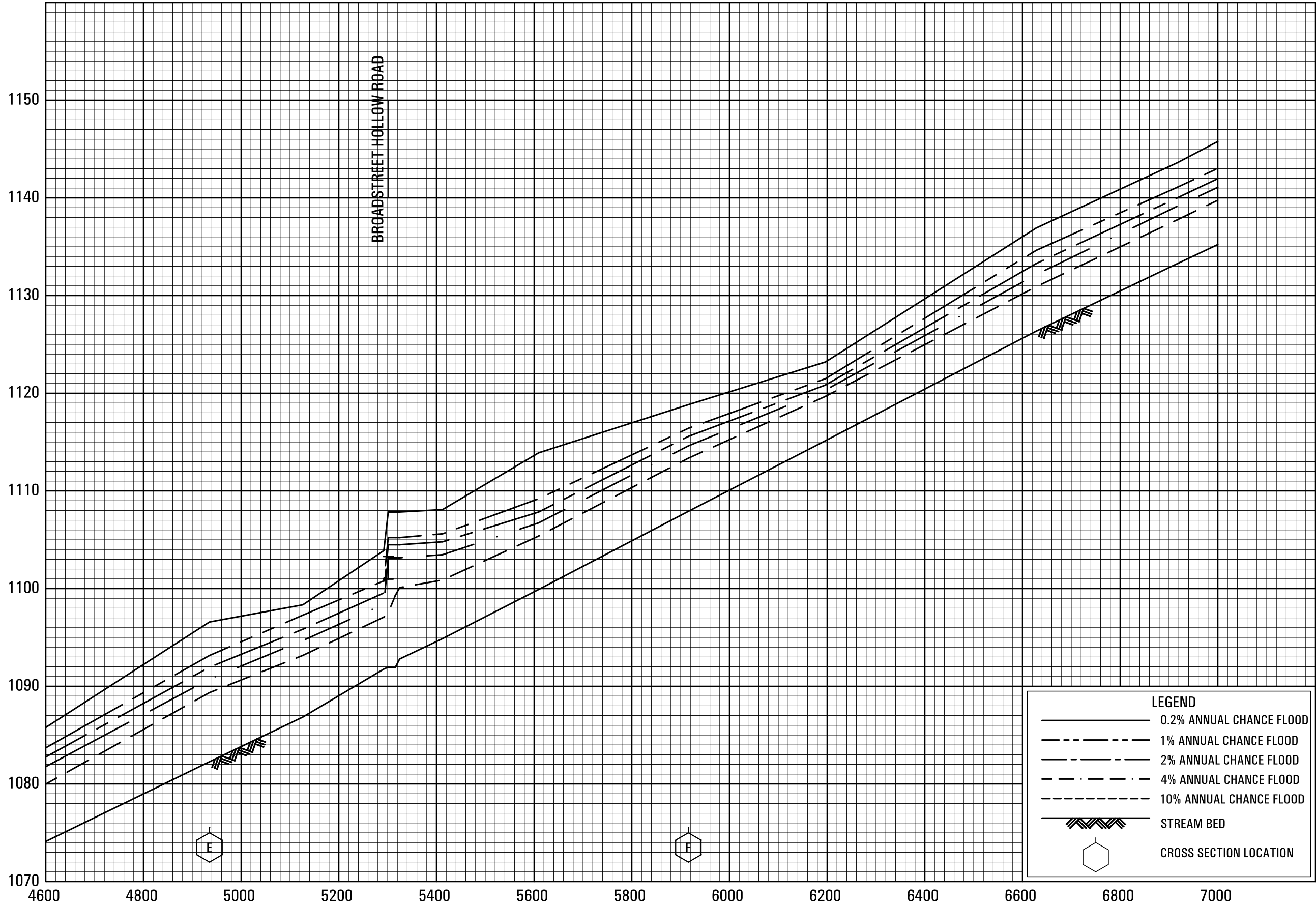


STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
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**FLOOD PROFILES**  
BROADSTREET HOLLOW

ELEVATION IN FEET (NAVD 88)



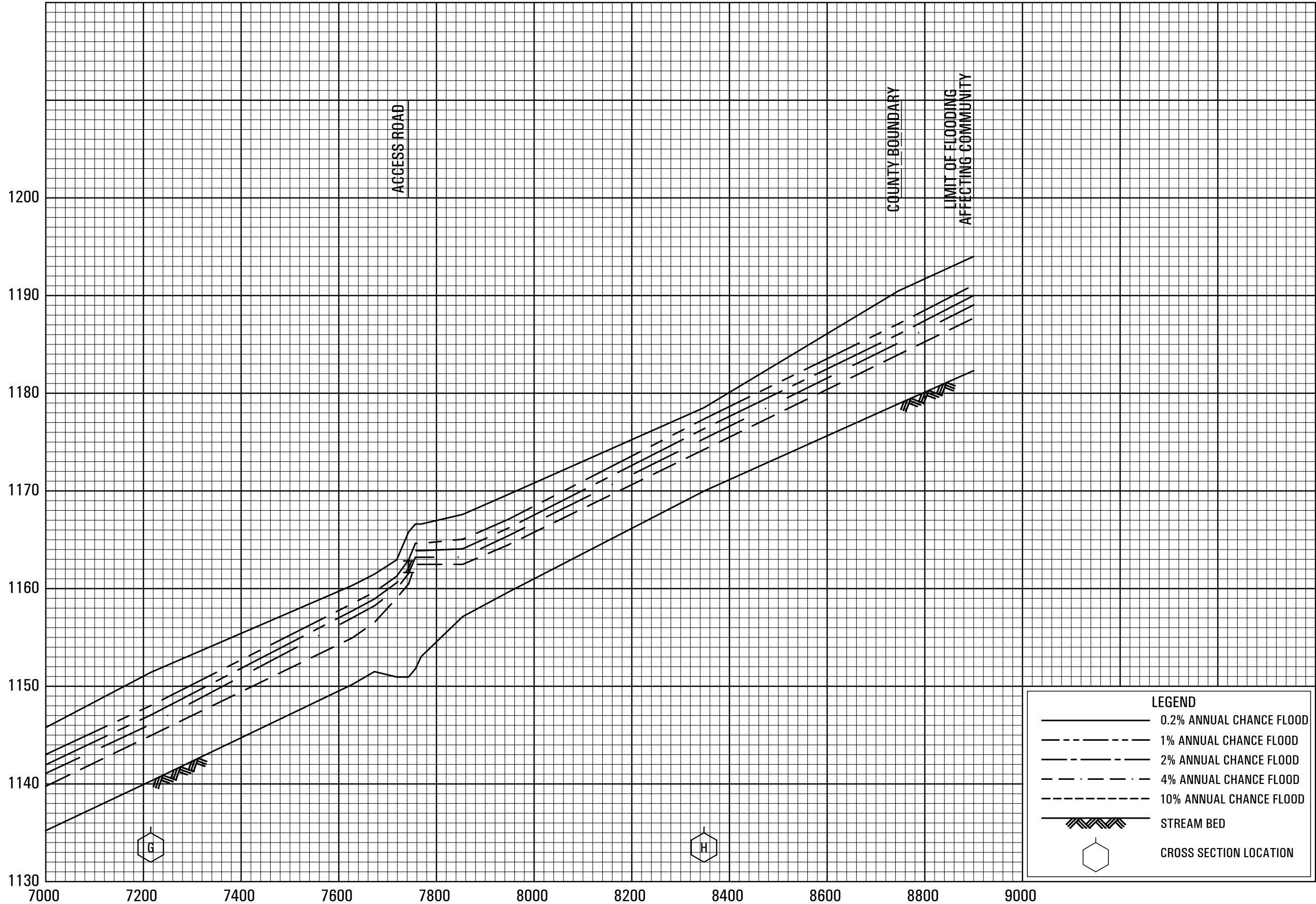
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

BROADSTREET HOLLOW

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
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ELEVATION IN FEET (NAVD 88)



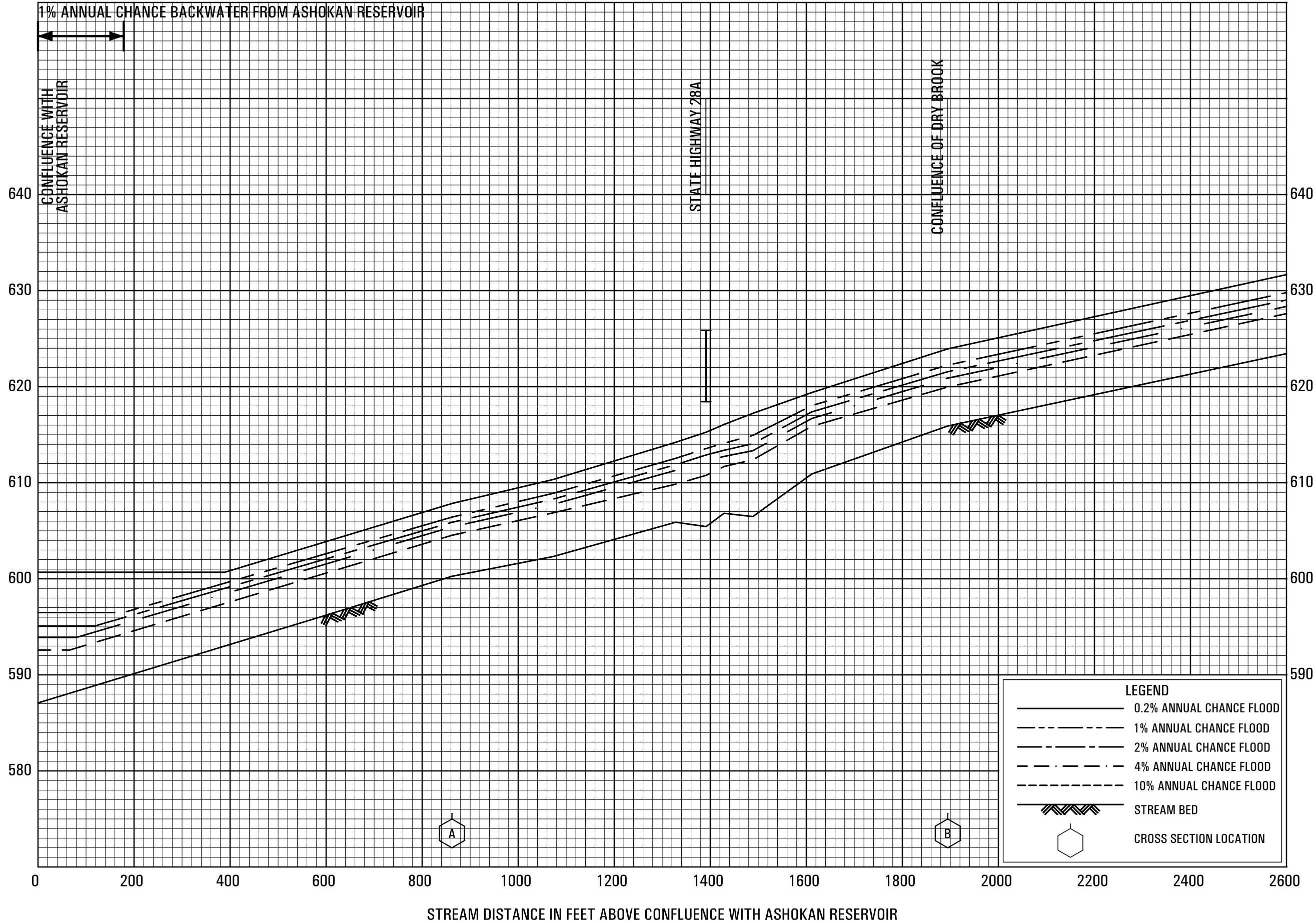
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FLOOD PROFILES

BROADSTREET HOLLOW

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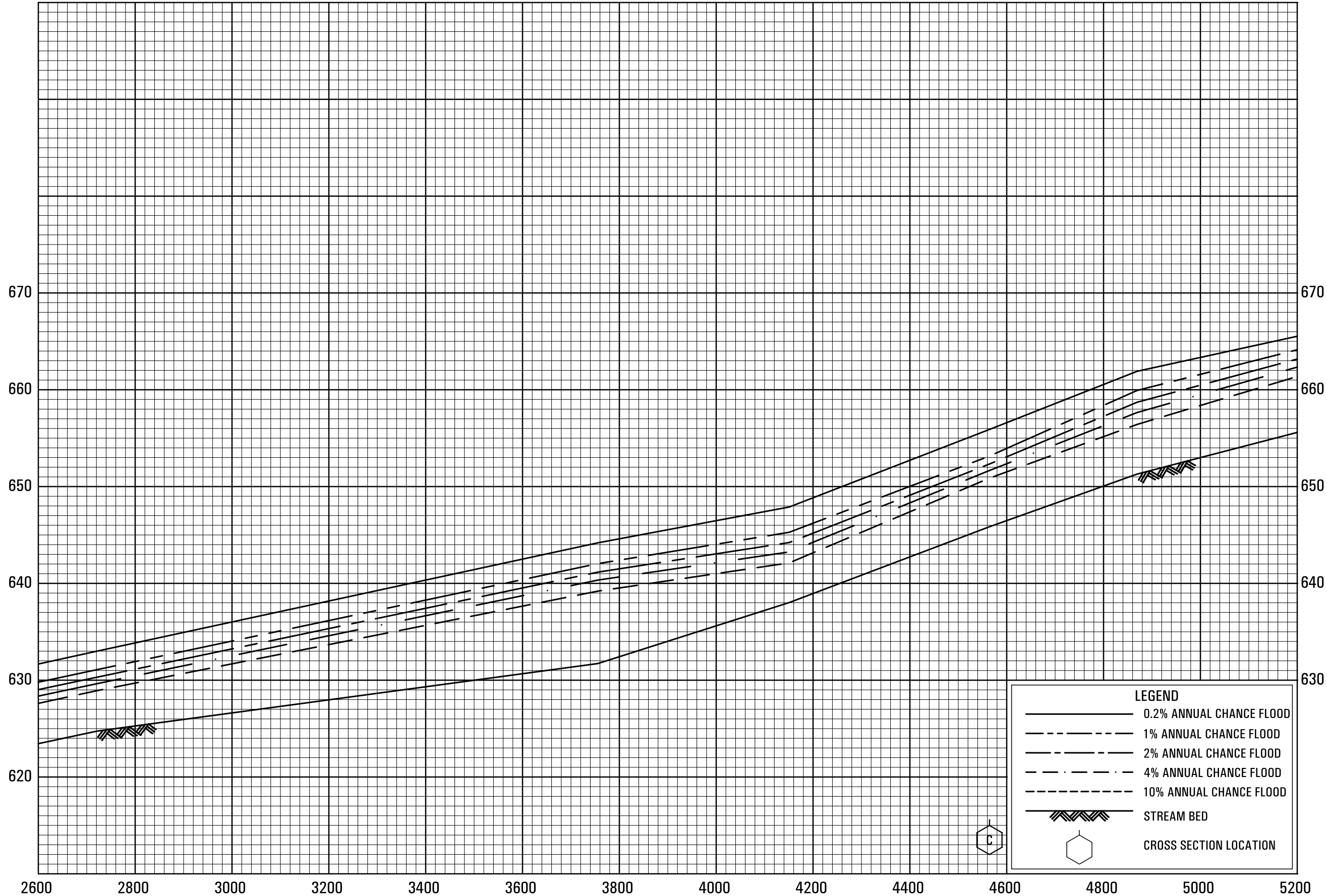
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**ULSTER COUNTY, NY**  
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**FLOOD PROFILES**

BUSH KILL



ELEVATION IN FEET (NAVD 88)



LEGEND

0.2% ANNUAL CHANCE FLOOD

1% ANNUAL CHANCE FLOOD

2% ANNUAL CHANCE FLOOD

4% ANNUAL CHANCE FLOOD

10% ANNUAL CHANCE FLOOD

STREAM BED

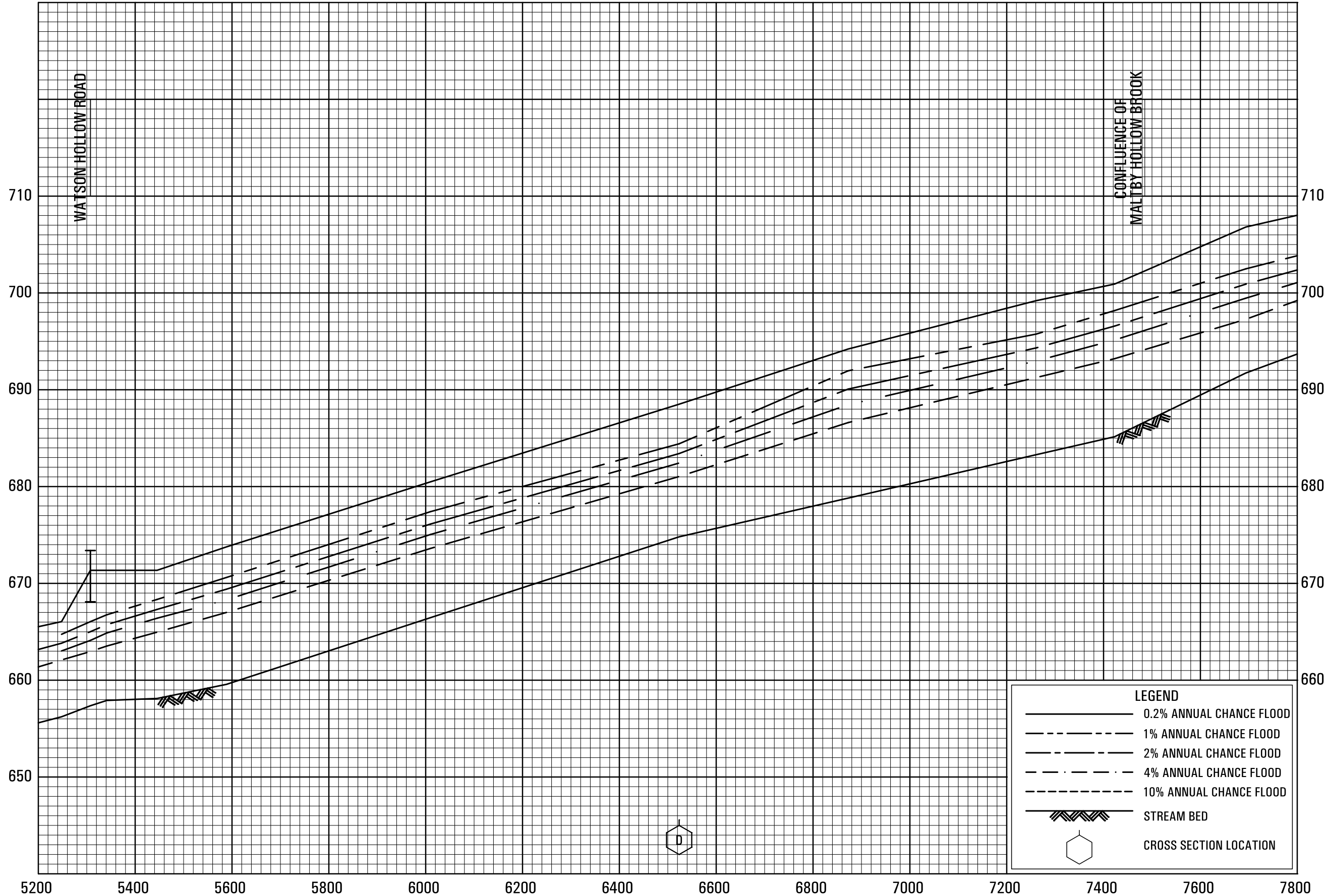
CROSS SECTION LOCATION

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BUSH KILL

ELEVATION IN FEET (NAVD 88)



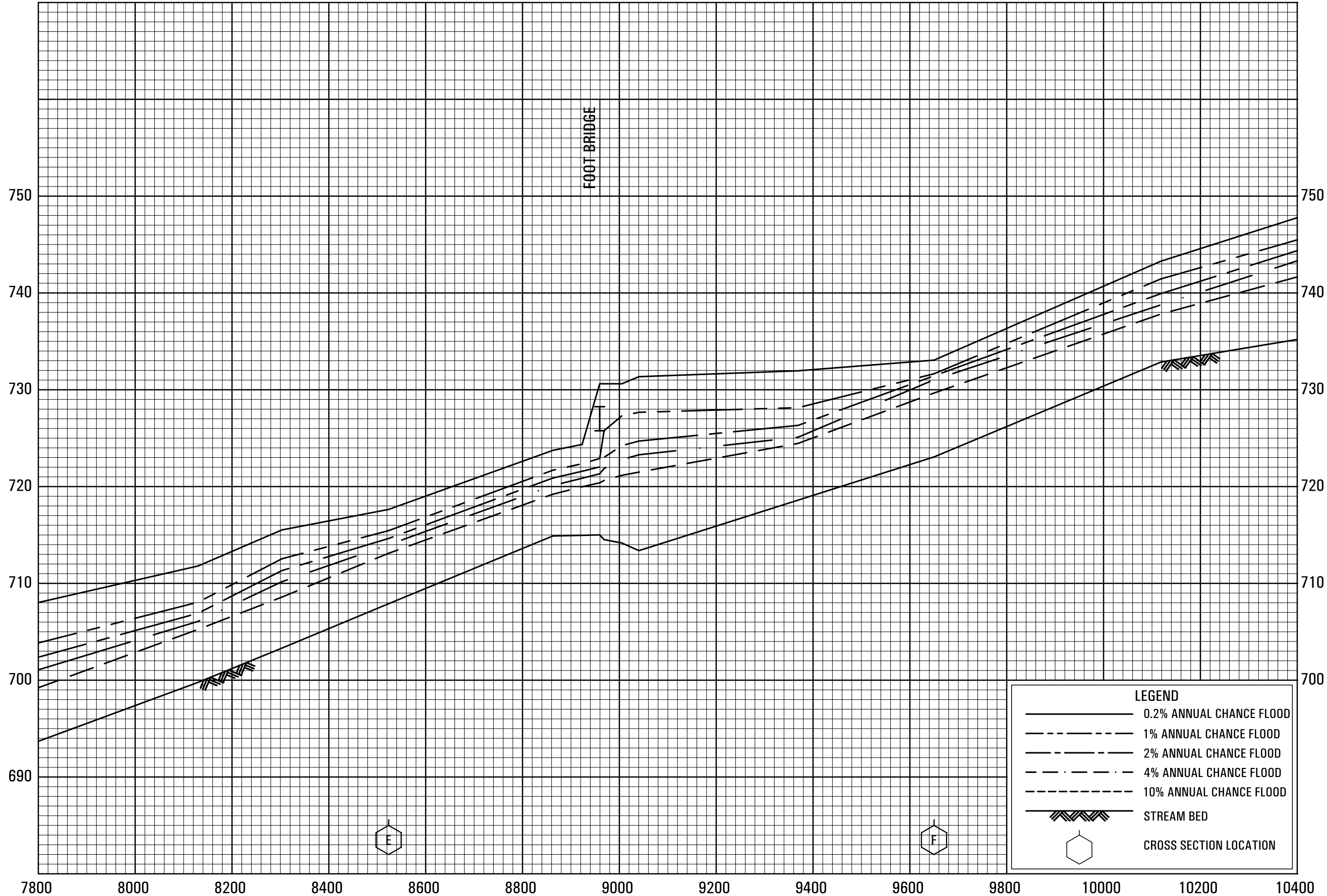
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ASHOKAN RESERVOIR

FLOOD PROFILES

BUSH KILL

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ULSTER COUNTY, NY  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



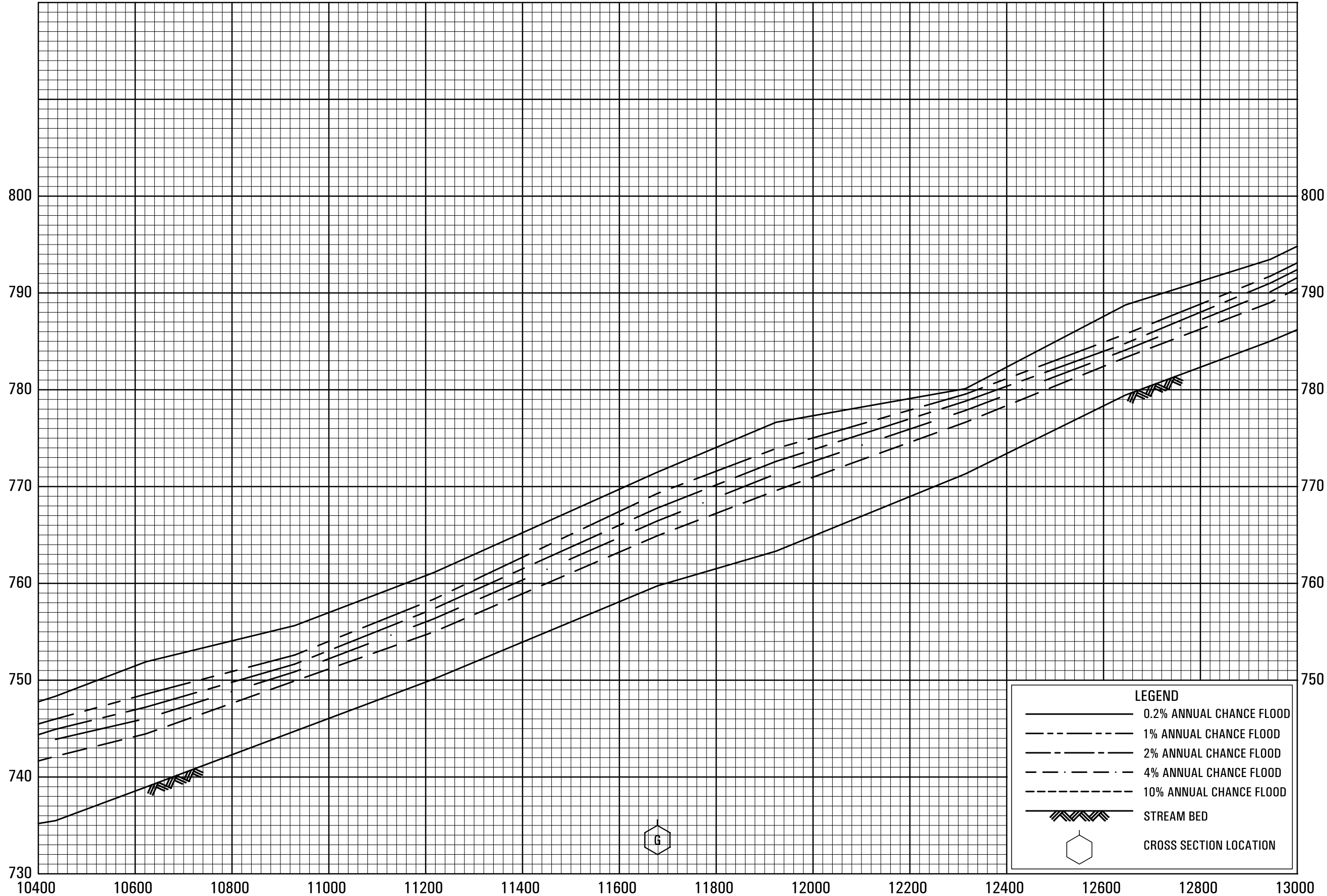
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ASHOKAN RESERVOIR

FLOOD PROFILES

BUSH KILL

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)

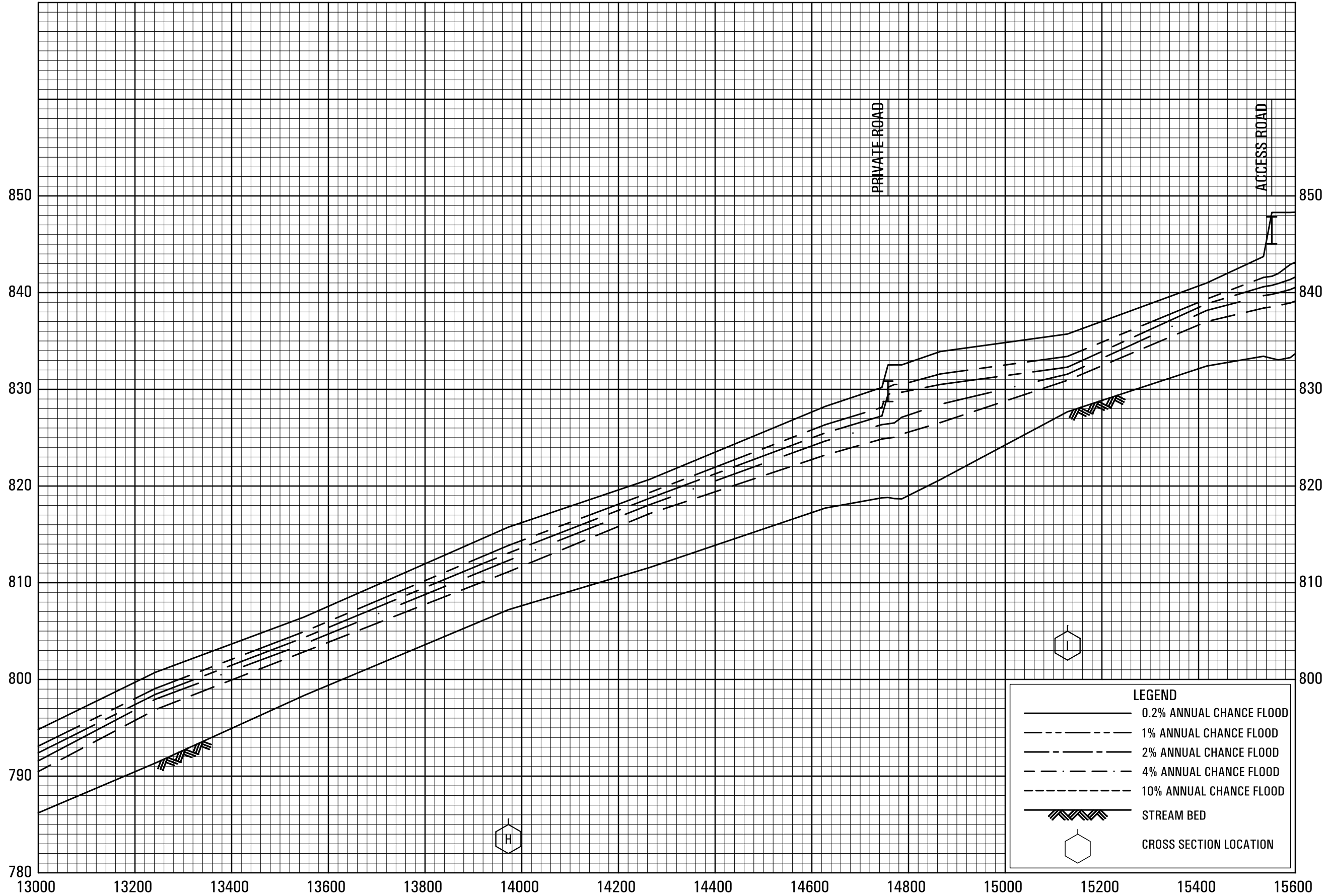


FLOOD PROFILES

BUSH KILL

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



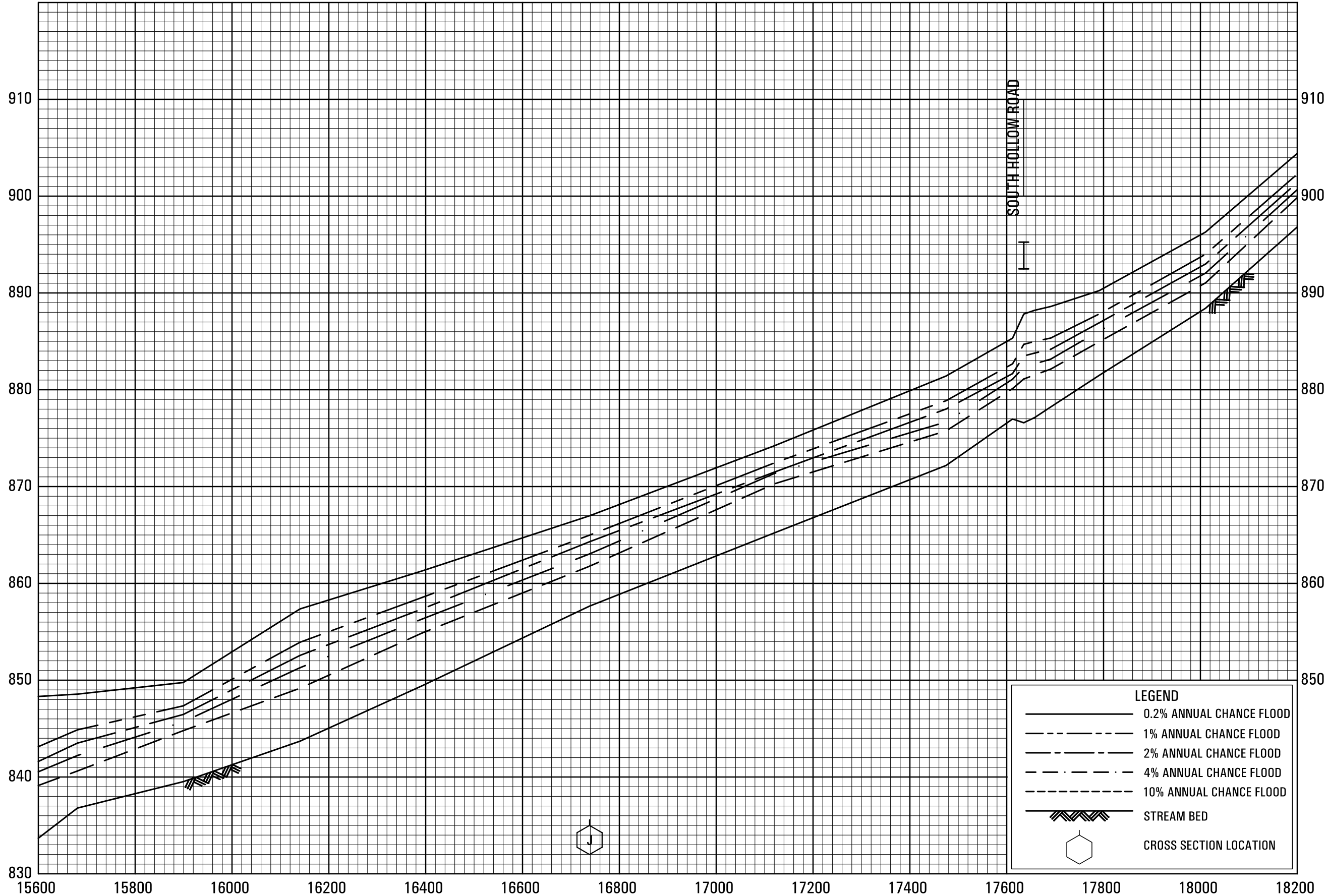
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ASHOKAN RESERVOIR

FLOOD PROFILES

BUSH KILL

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ULSTER COUNTY, NY  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



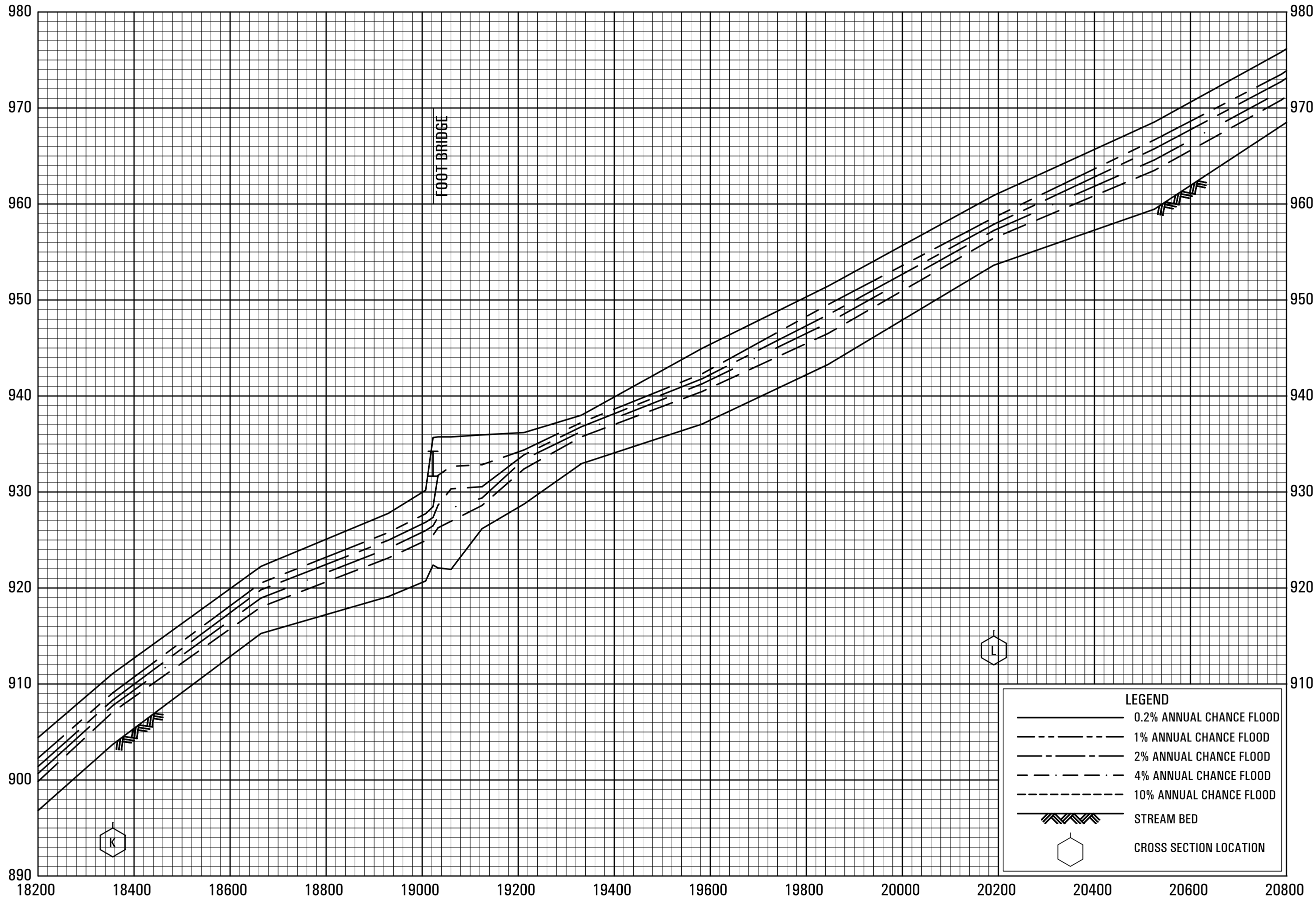
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ASHOKAN RESERVOIR

FLOOD PROFILES

BUSH KILL

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



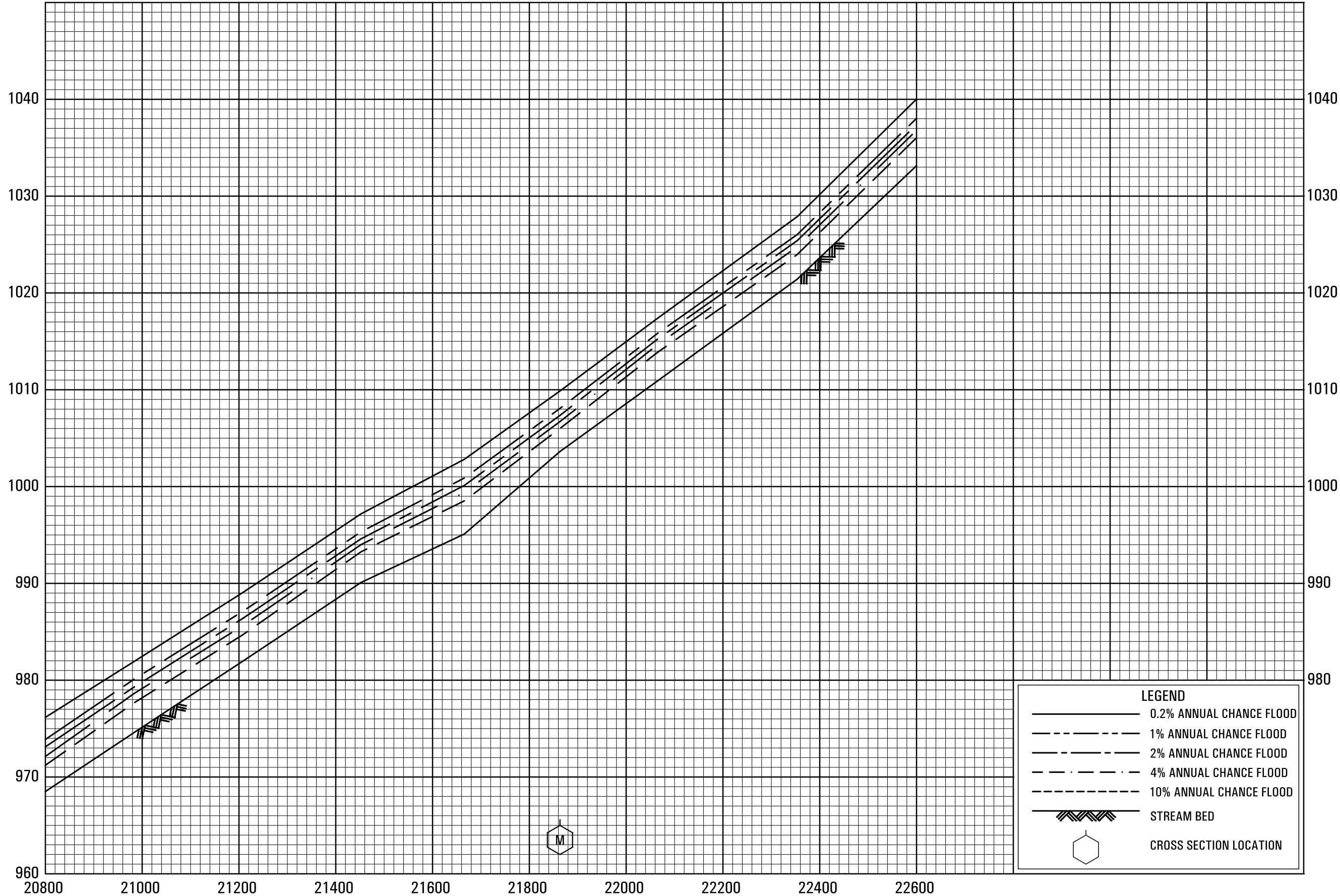
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ASHOKAN RESERVOIR

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**

**BUSH KILL**

ELEVATION IN FEET (NAVD 88)



LEGEND

0.2% ANNUAL CHANCE FLOOD

1% ANNUAL CHANCE FLOOD

2% ANNUAL CHANCE FLOOD

4% ANNUAL CHANCE FLOOD

10% ANNUAL CHANCE FLOOD

STREAM BED

CROSS SECTION LOCATION

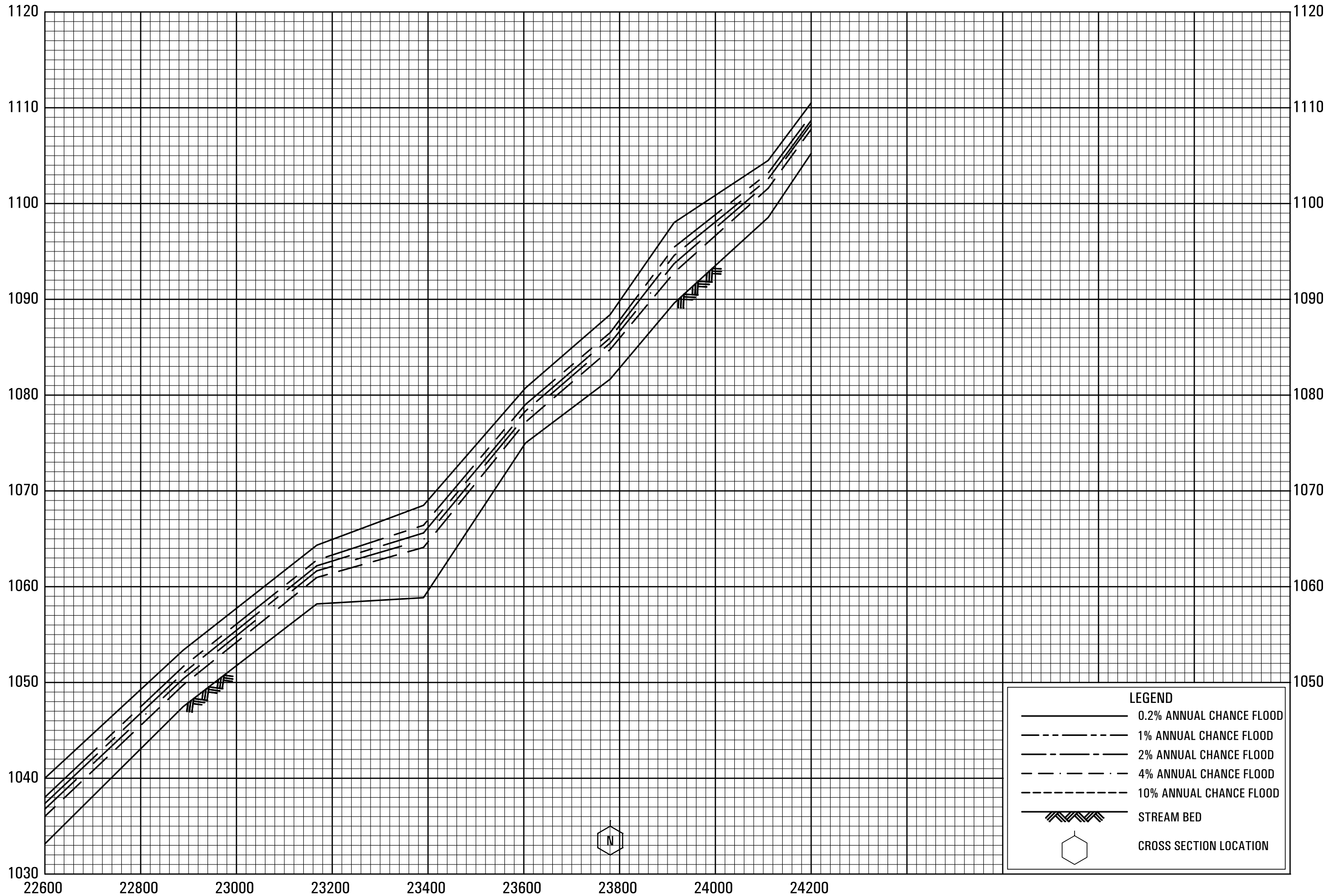
FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**

BUSH KILL



ELEVATION IN FEET (NAVD 88)



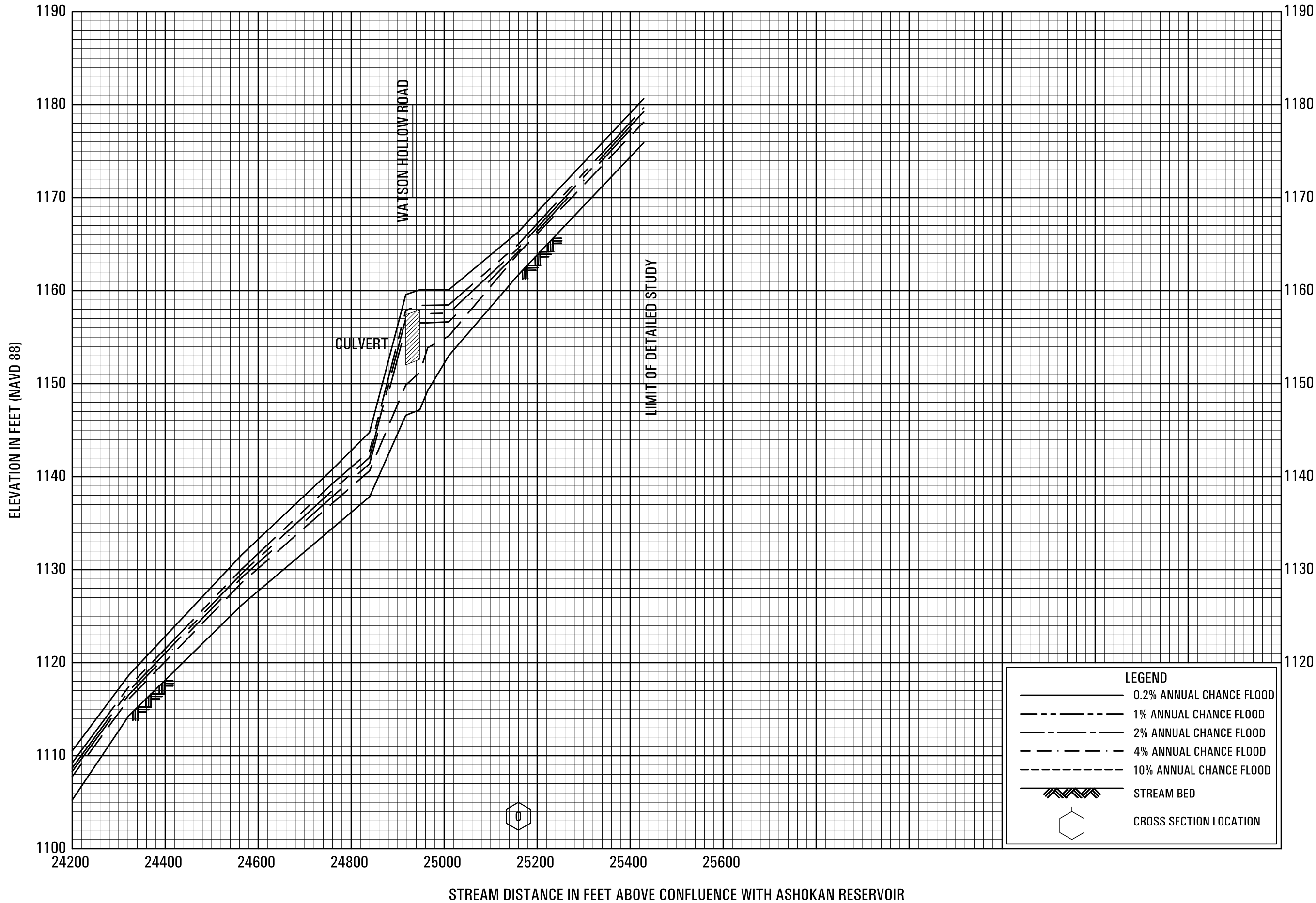
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ASHOKAN RESERVOIR

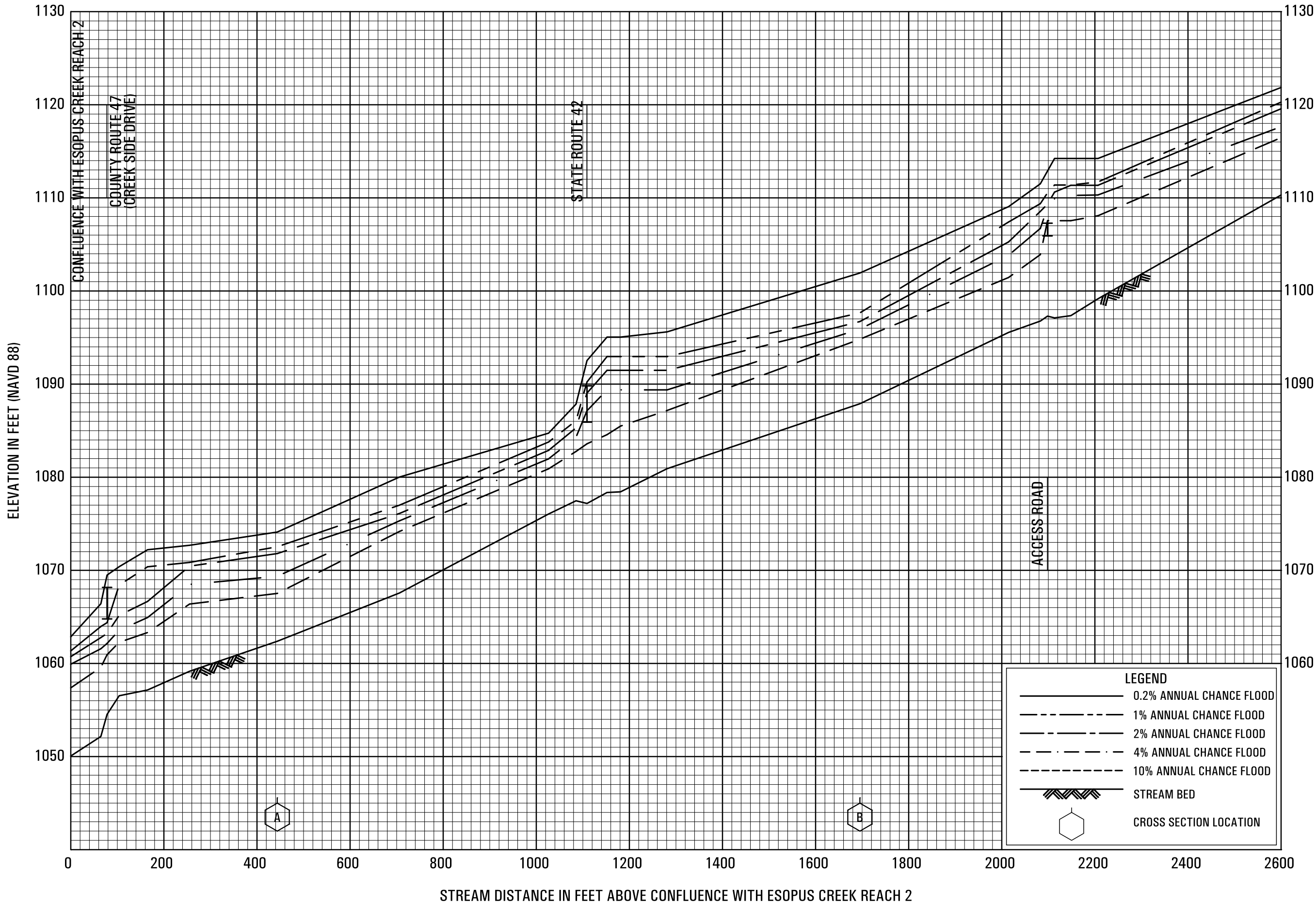
FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**

**BUSH KILL**

**50P**



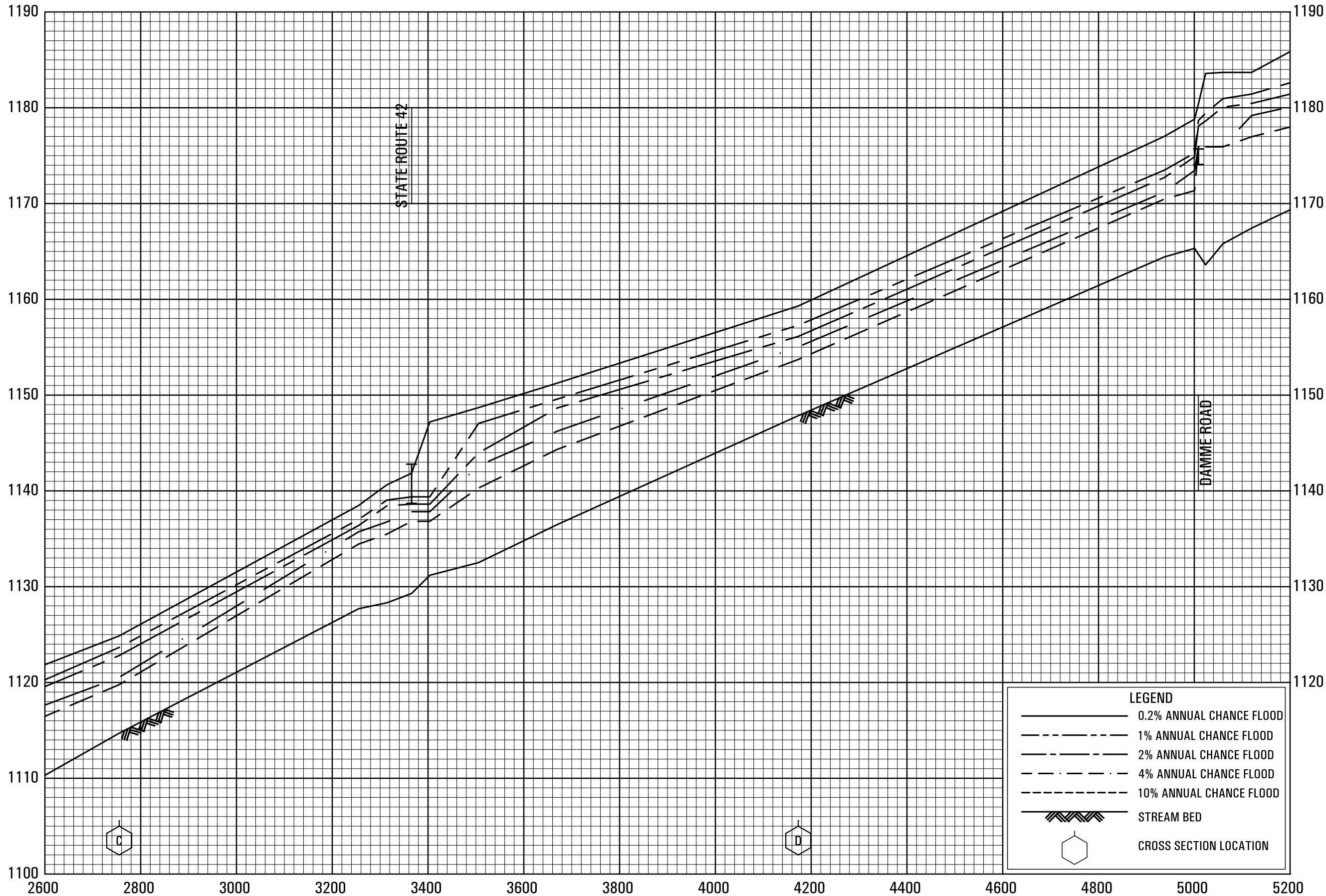


FLOOD PROFILES

BUSHNELLSVILLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ULSTER COUNTY, NY  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)

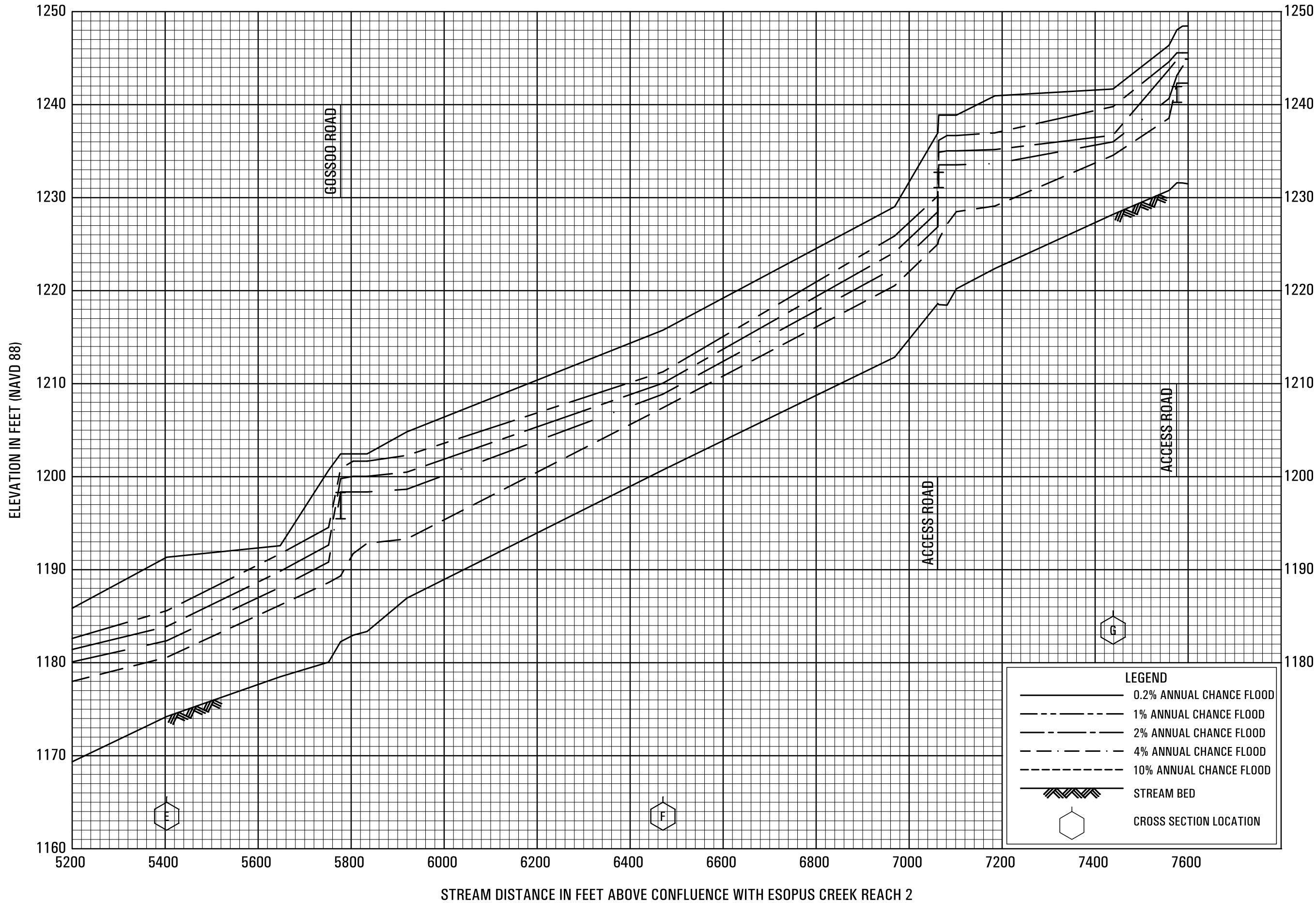


STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

BUSHNELLSVILLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

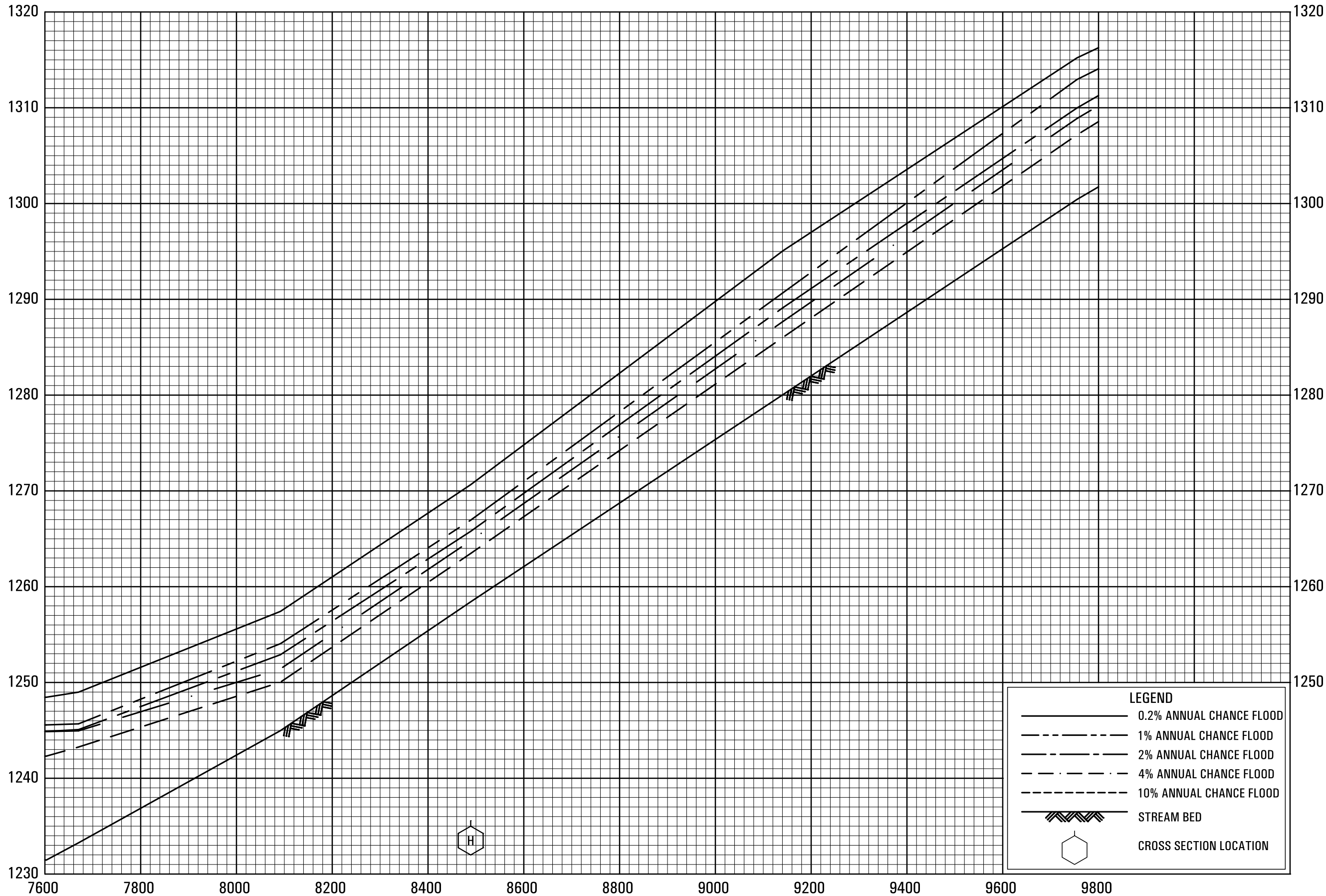


FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**

BUSHNELLSVILLE CREEK

ELEVATION IN FEET (NAVD 88)



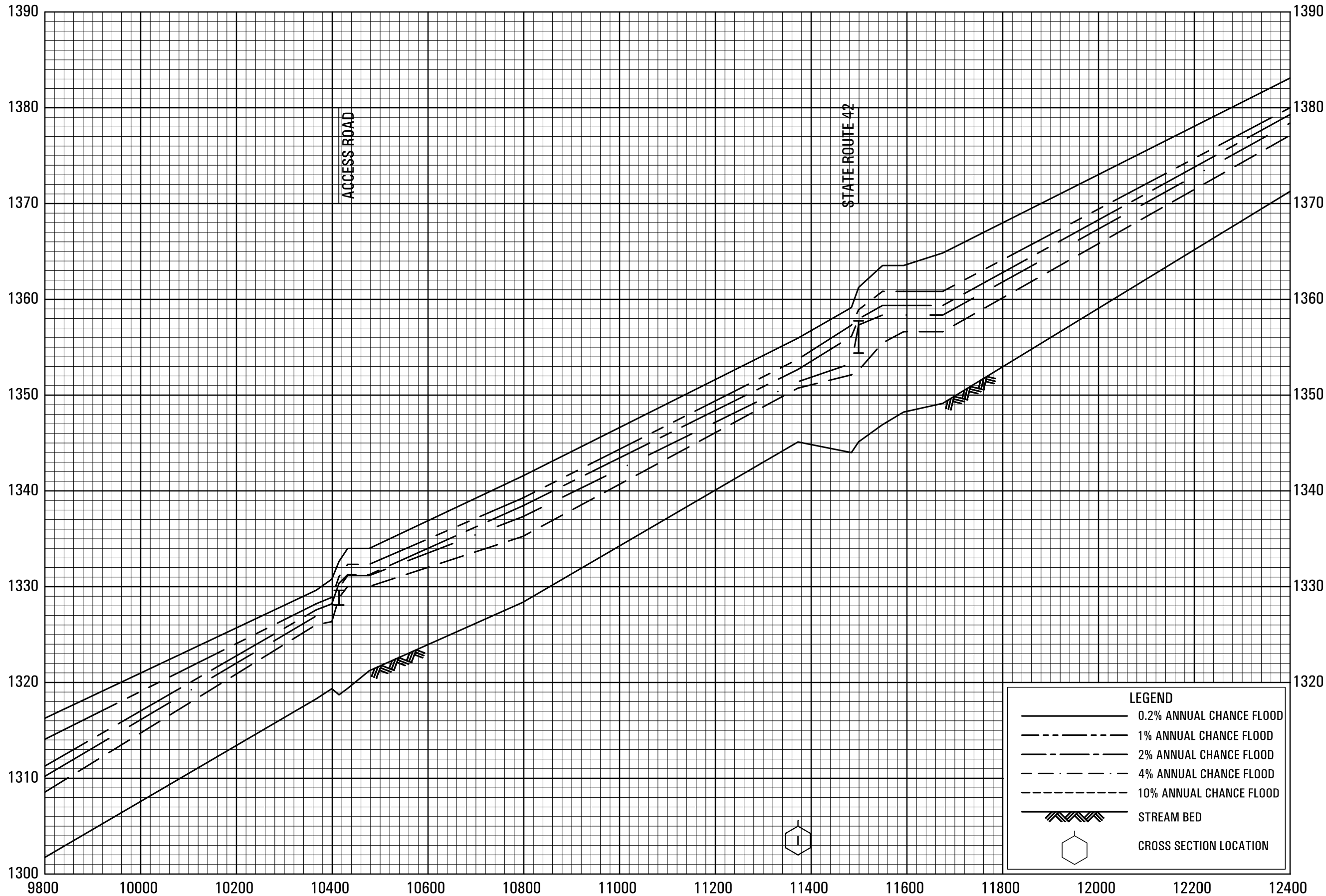
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

BUSHNELLSVILLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



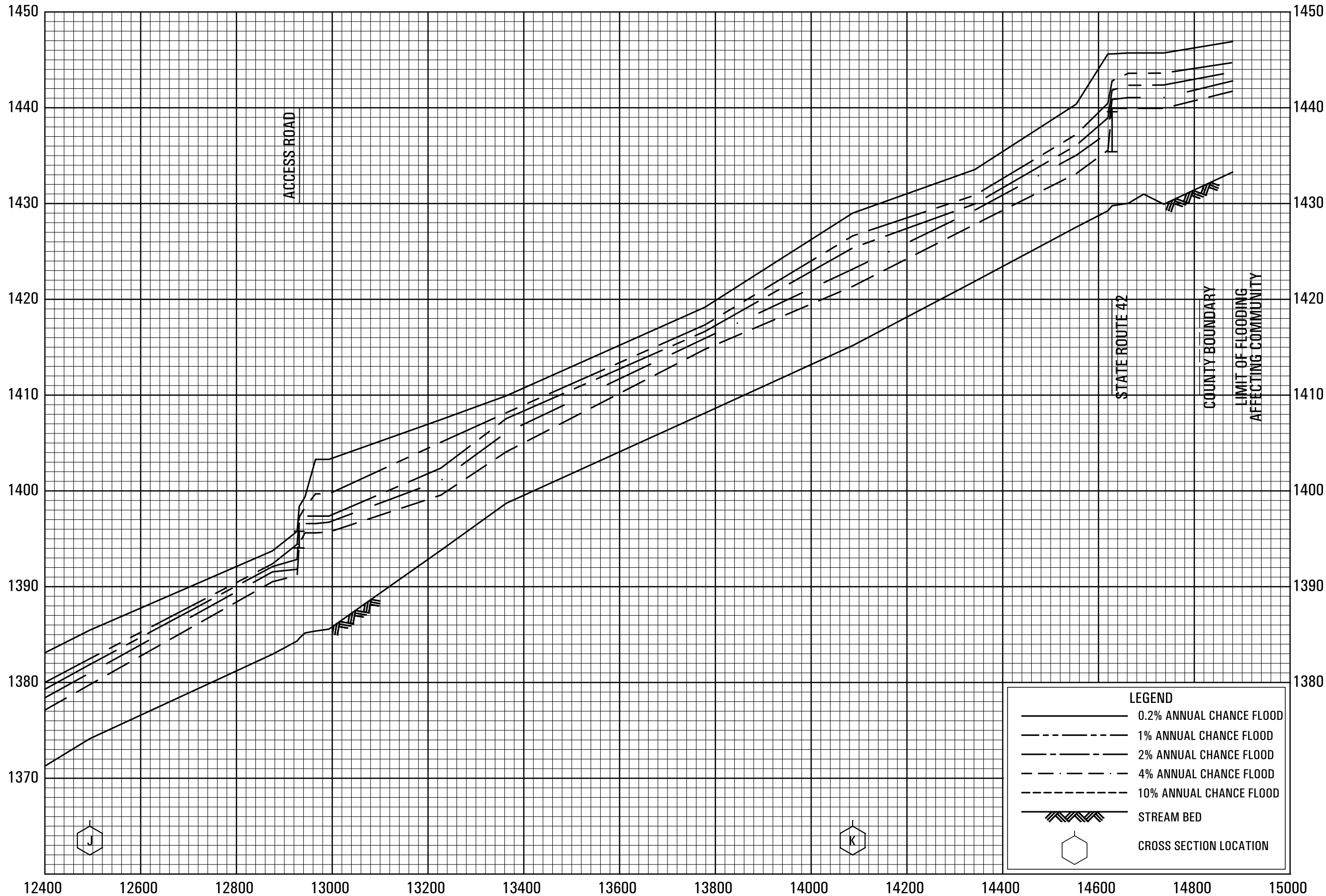
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

FLOOD PROFILES

BUSHNELLSVILLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ESOPUS CREEK REACH 2

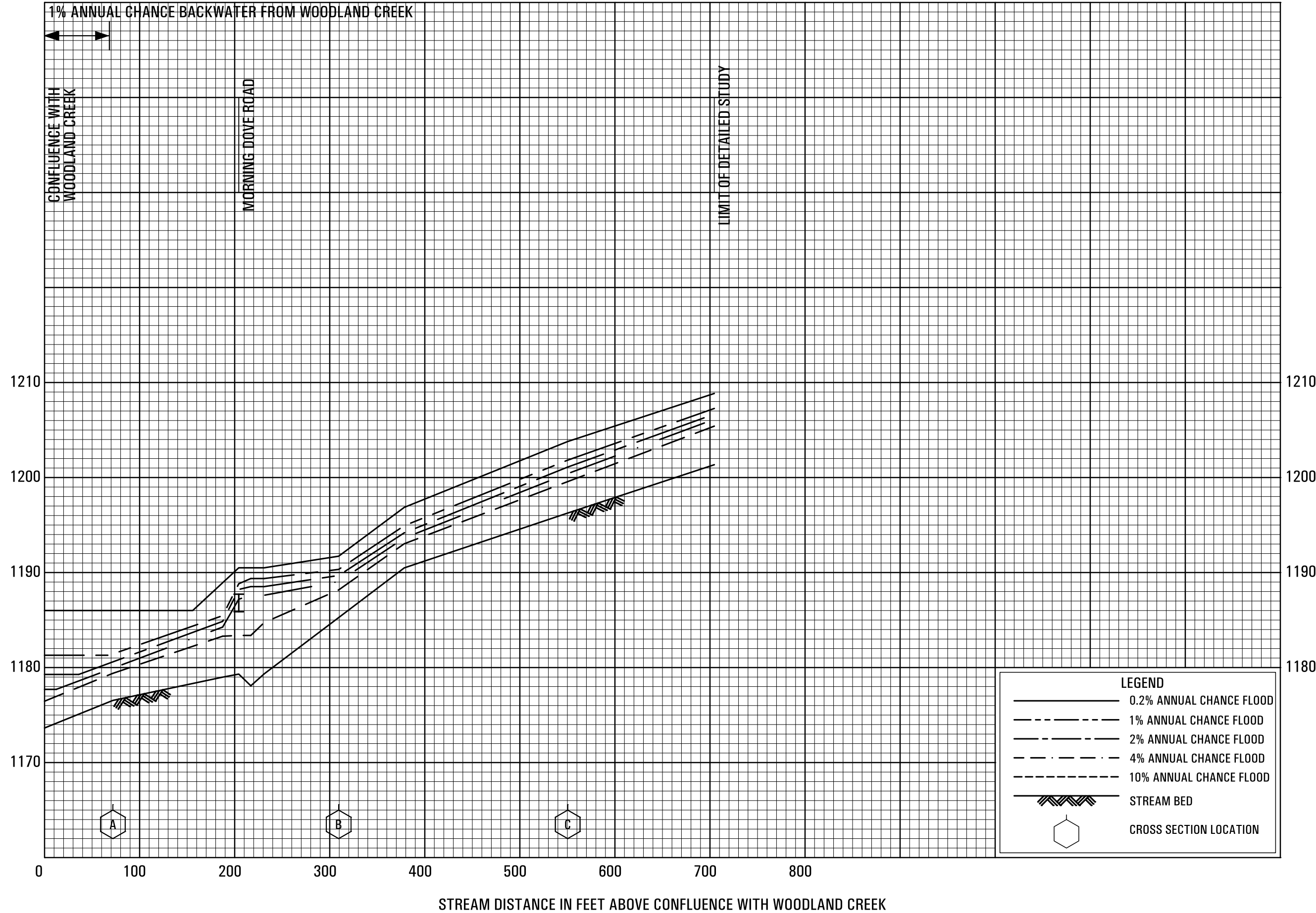
FLOOD PROFILES

BUSHNELLSVILLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)



ELEVATION IN FEET (NAVD 88)

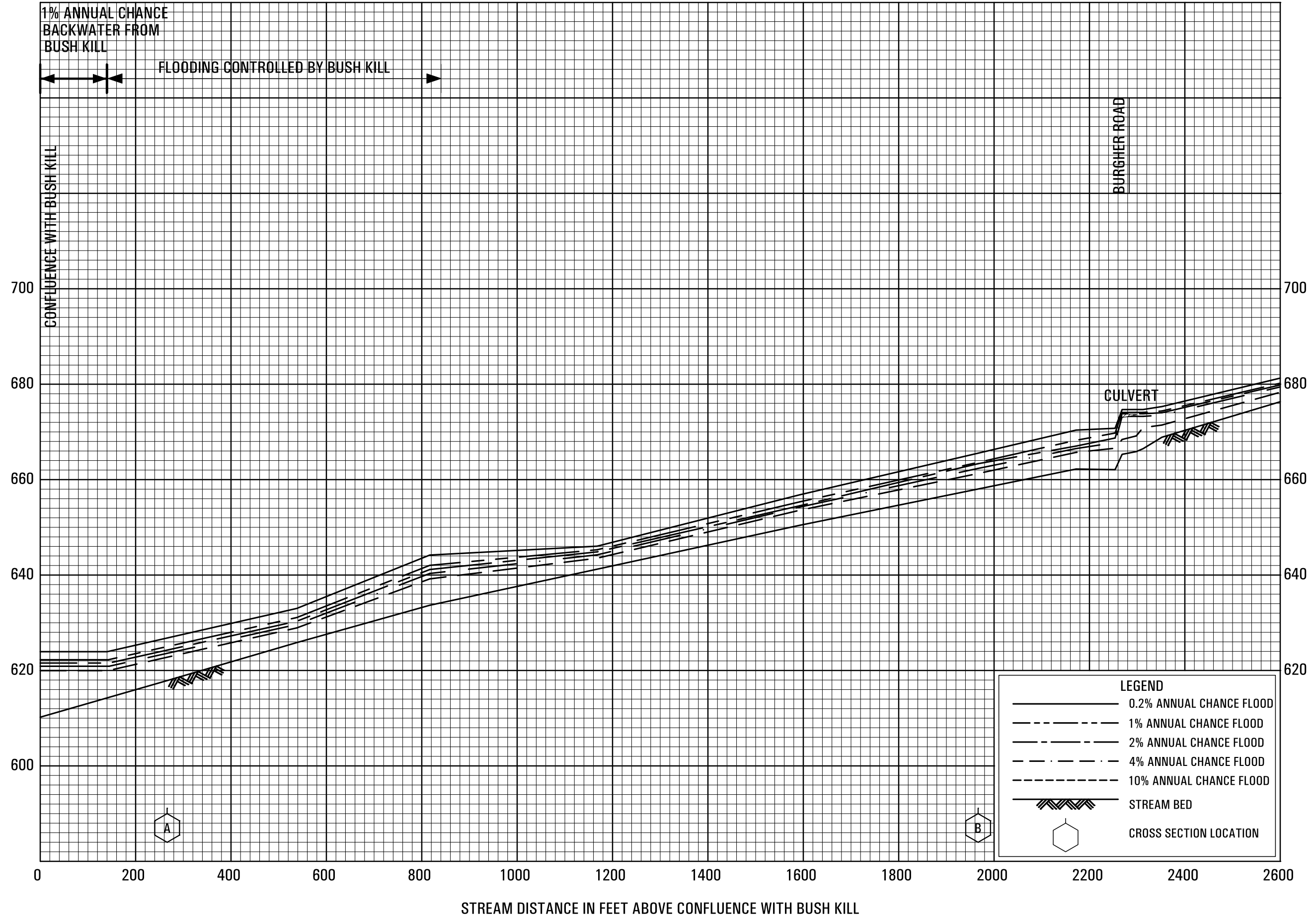


FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**

CROSS MOUNTAIN HOLLOW

ELEVATION IN FEET (NAVD 88)

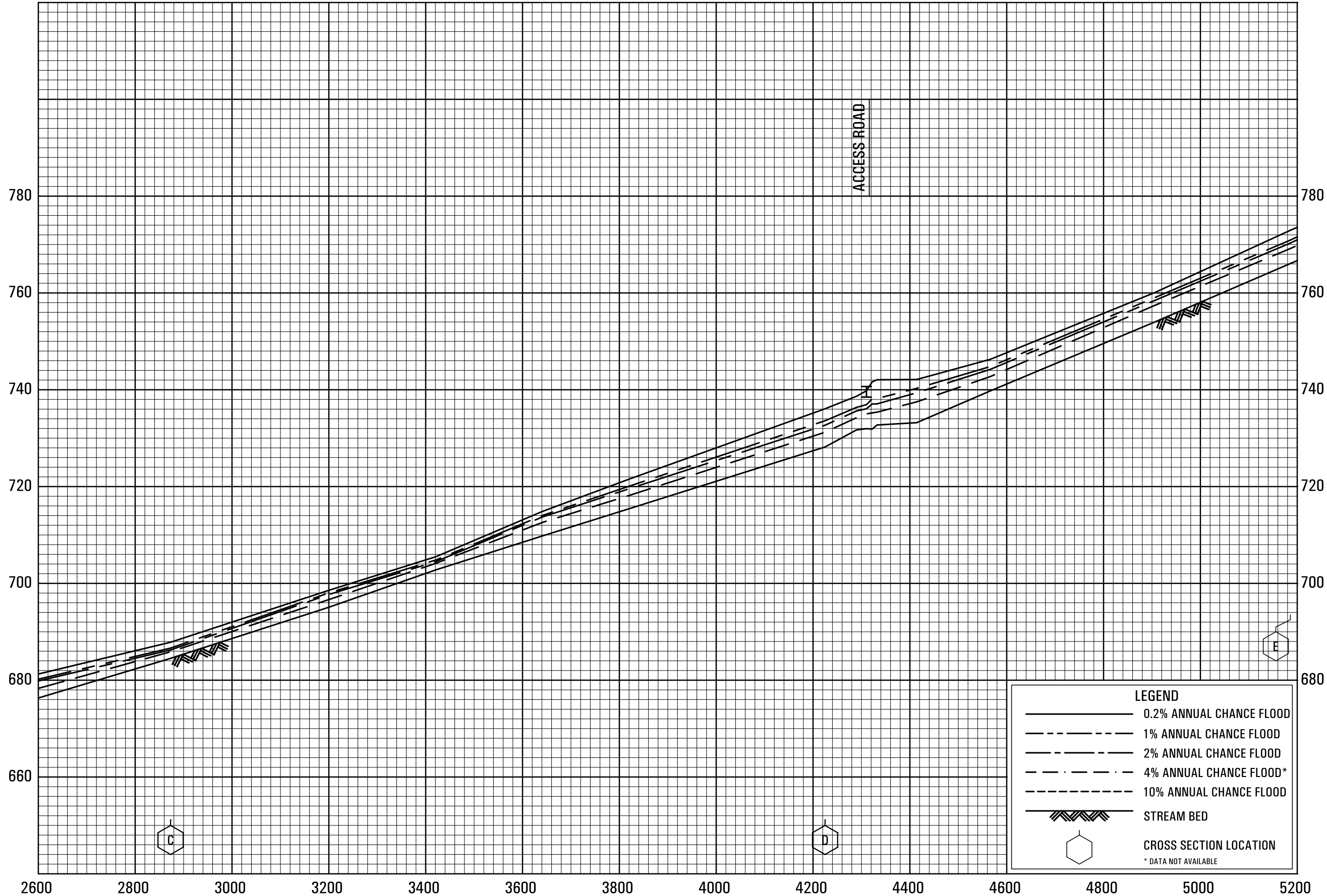


FLOOD PROFILES

DRY BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



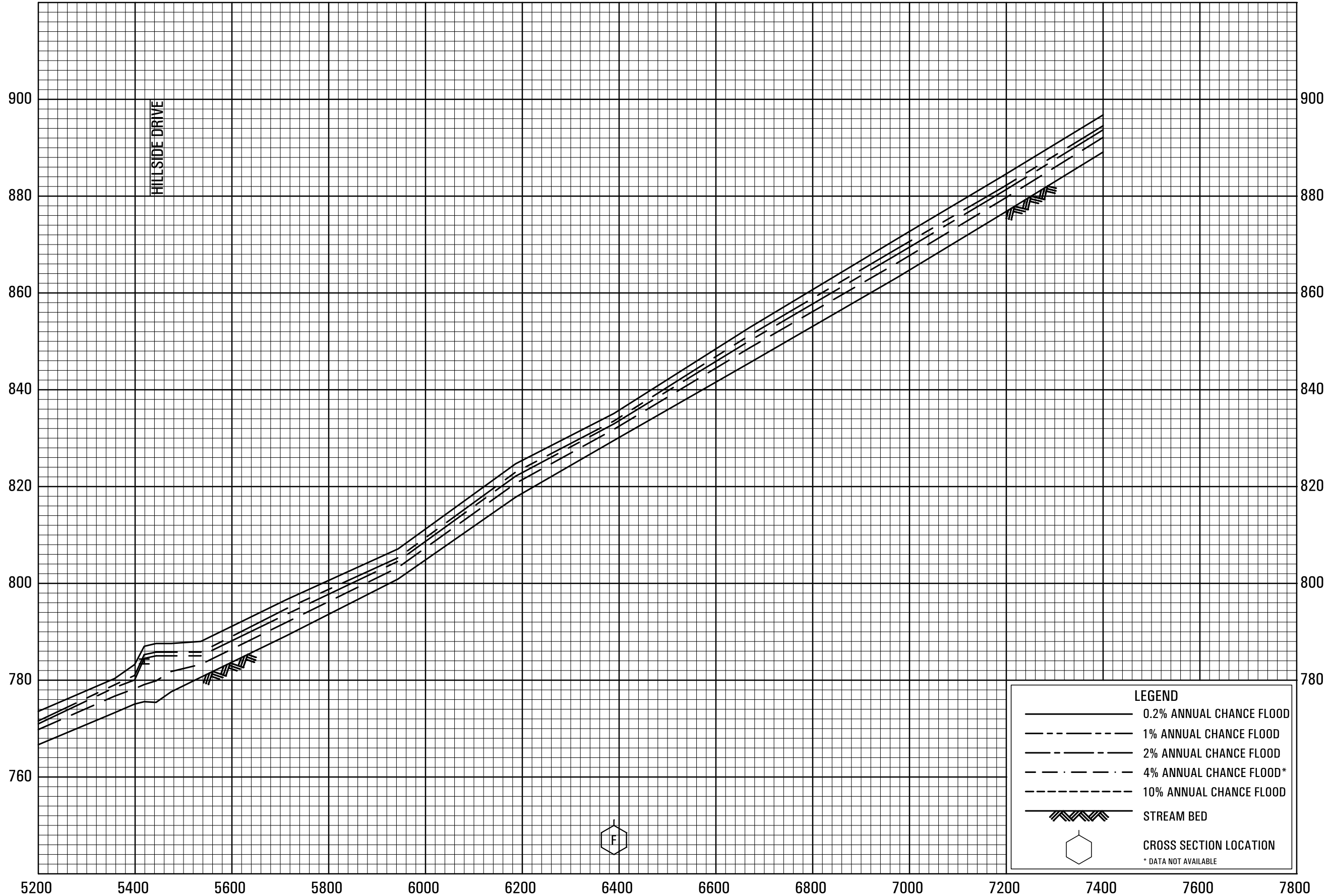
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH BUSH KILL

FLOOD PROFILES

DRY BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ULSTER COUNTY, NY  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH BUSH KILL

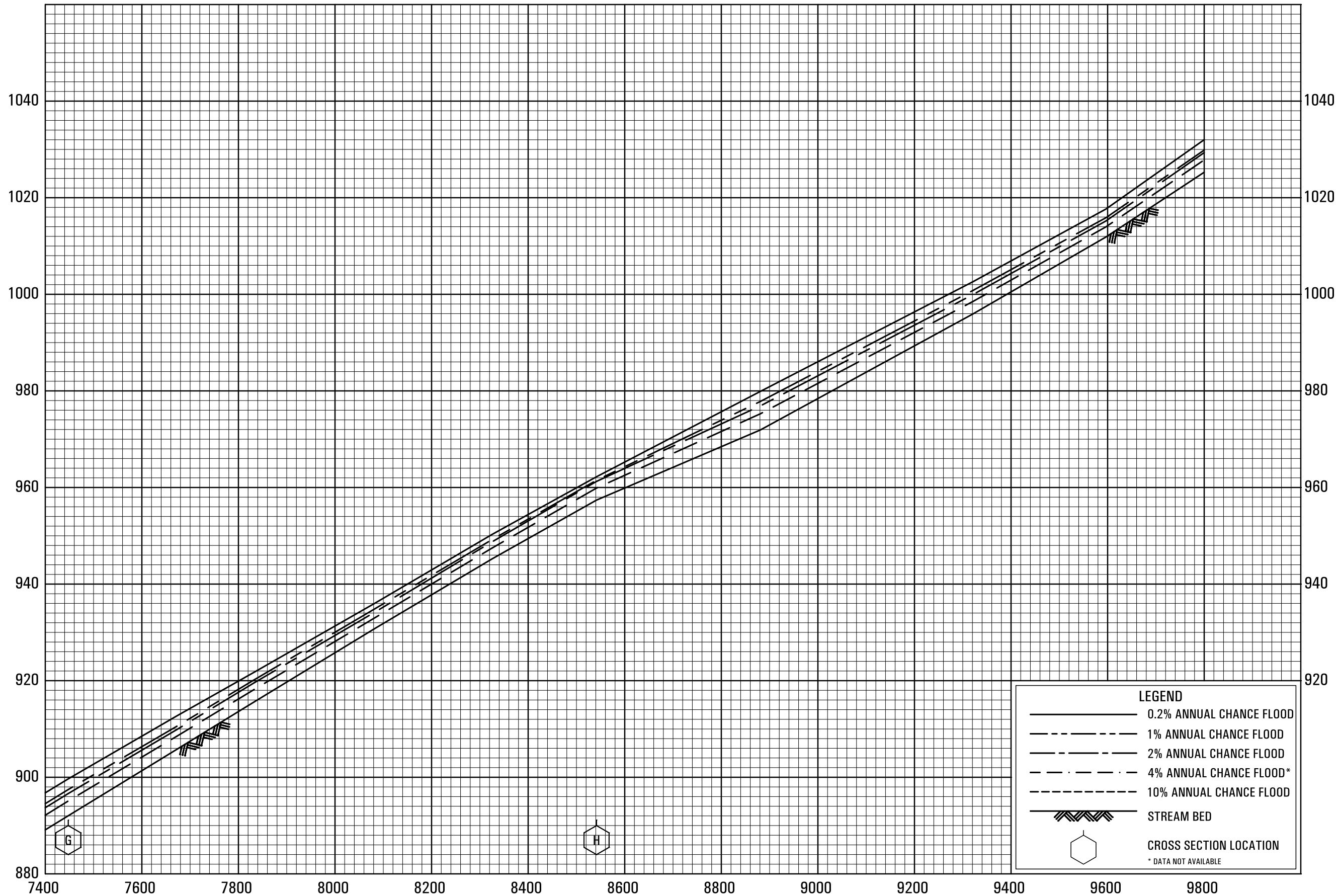
FLOOD PROFILES

DRY BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ULSTER COUNTY, NY  
(ALL JURISDICTIONS)

61P

ELEVATION IN FEET (NAVD 88)



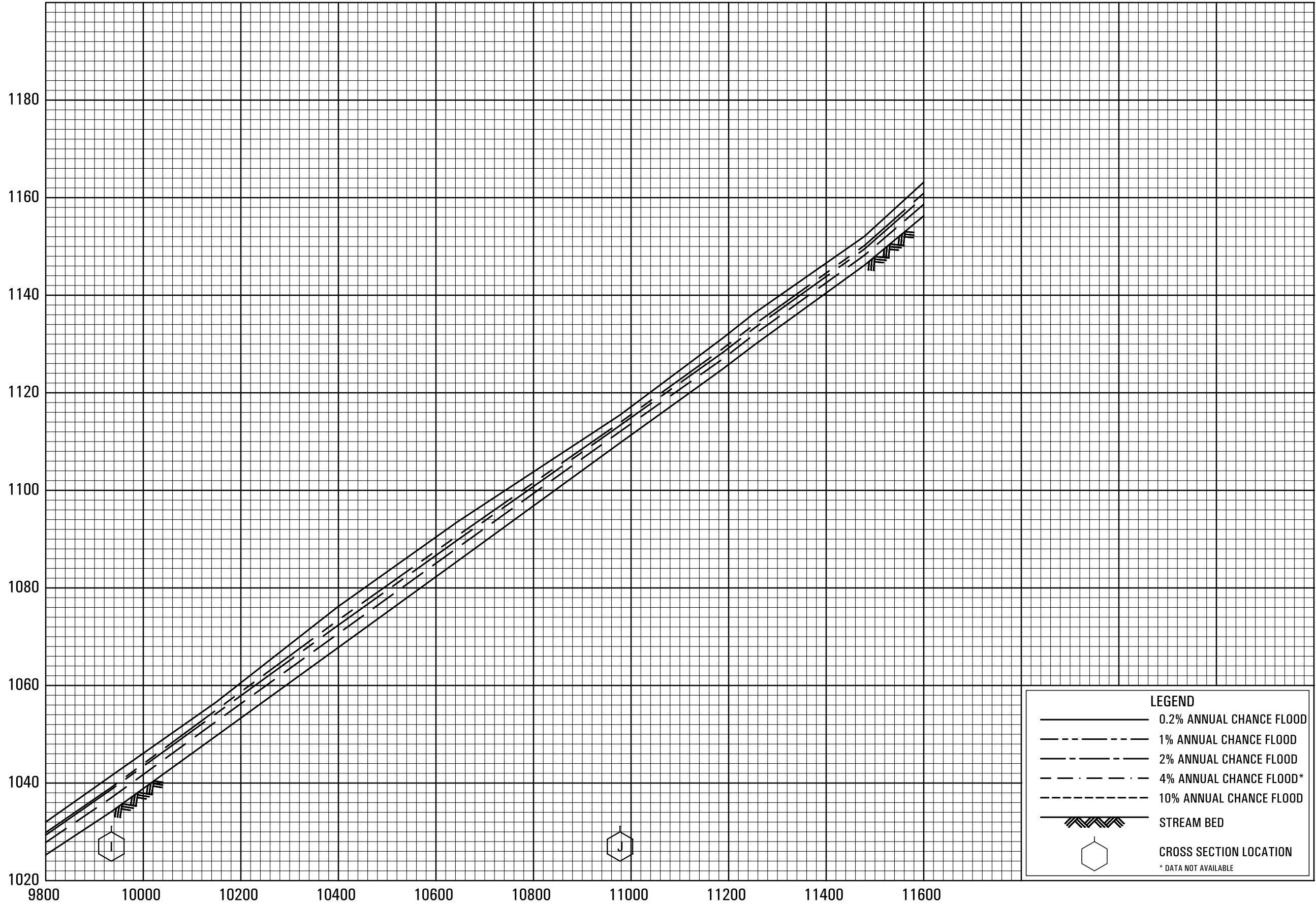
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH BUSH KILL

FLOOD PROFILES

DRY BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH BUSH KILL

**LEGEND**

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 4% ANNUAL CHANCE FLOOD\*
- 10% ANNUAL CHANCE FLOOD
- STREAM BED

**CROSS SECTION LOCATION**

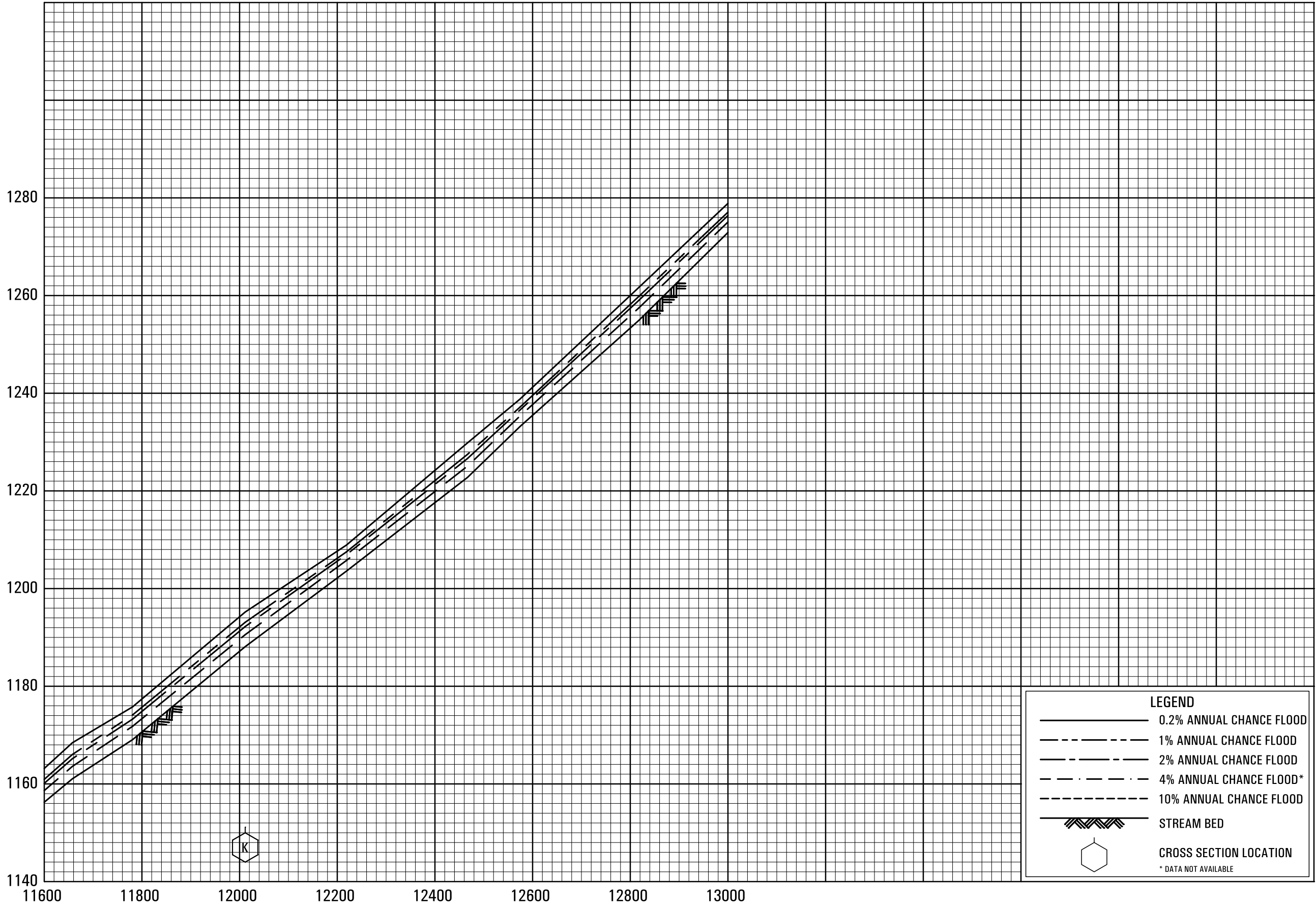
\* DATA NOT AVAILABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**

**DRY BROOK**

ELEVATION IN FEET (NAVD 88)



**LEGEND**

0.2% ANNUAL CHANCE FLOOD

1% ANNUAL CHANCE FLOOD

2% ANNUAL CHANCE FLOOD

4% ANNUAL CHANCE FLOOD\*

10% ANNUAL CHANCE FLOOD

STREAM BED

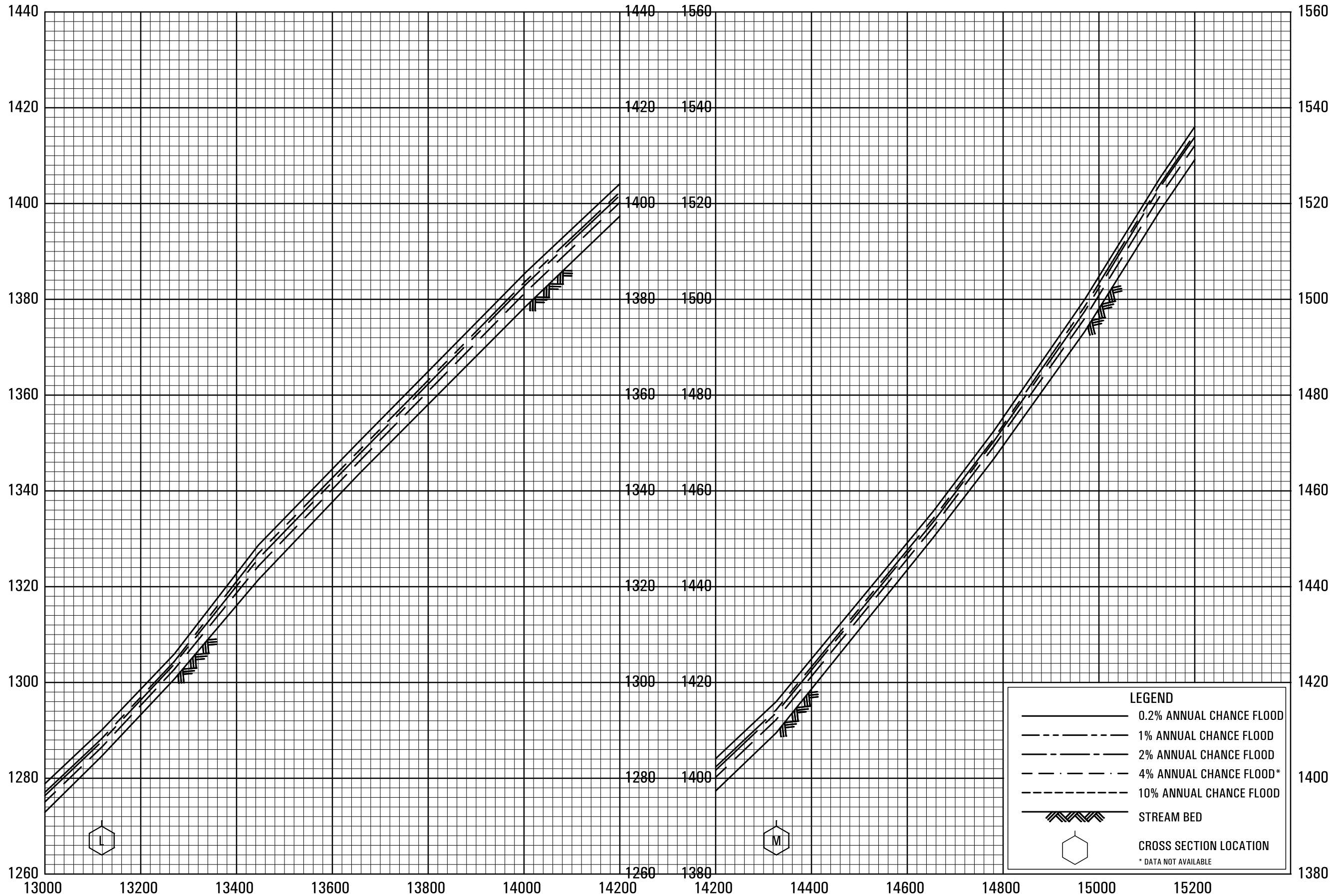
CROSS SECTION LOCATION

\* DATA NOT AVAILABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**ULSTER COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOOD PROFILES**  
**DRY BROOK**

ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH BUSH KILL

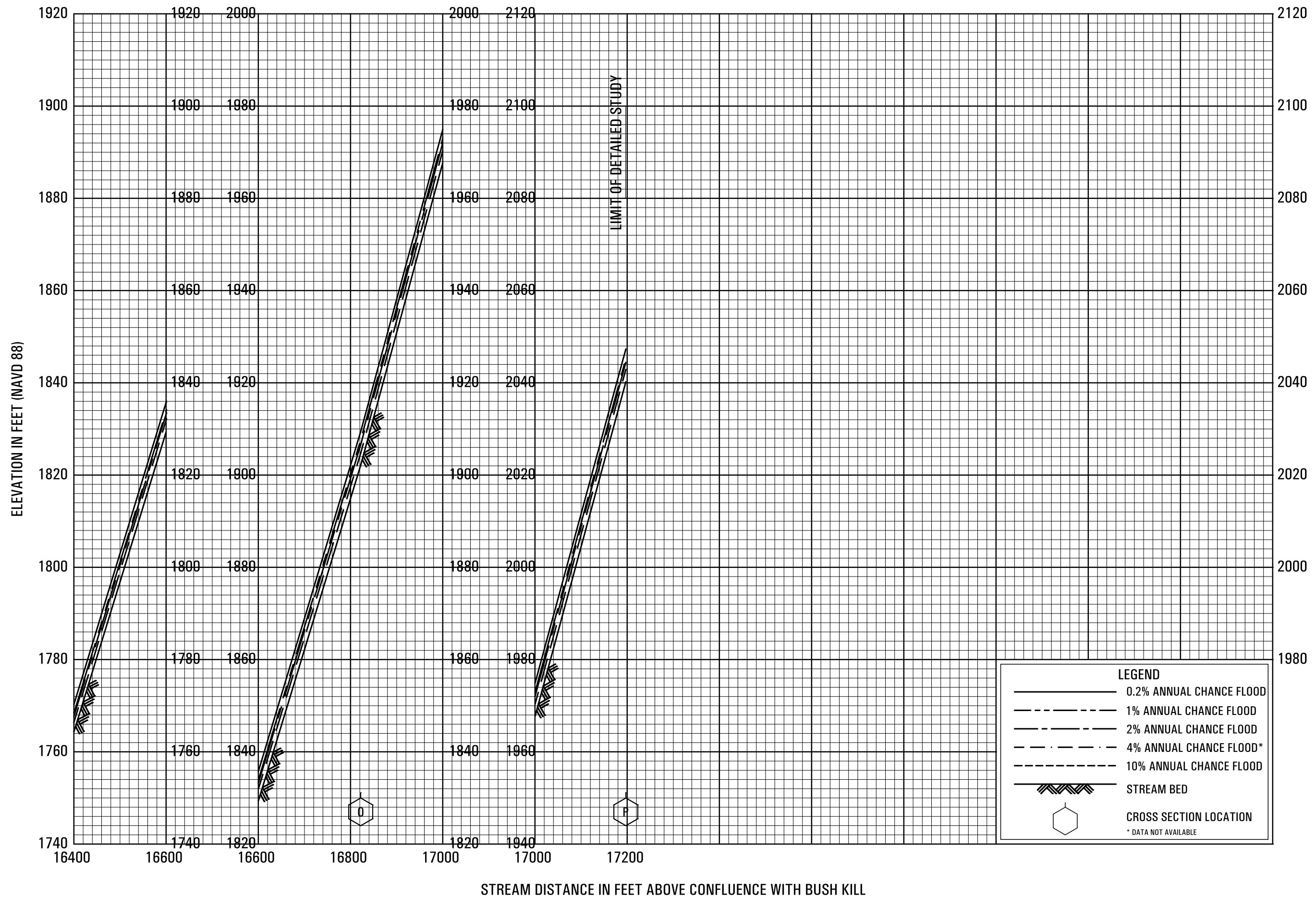
FLOOD PROFILES

DRY BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
ULSTER COUNTY, NY  
(ALL JURISDICTIONS)







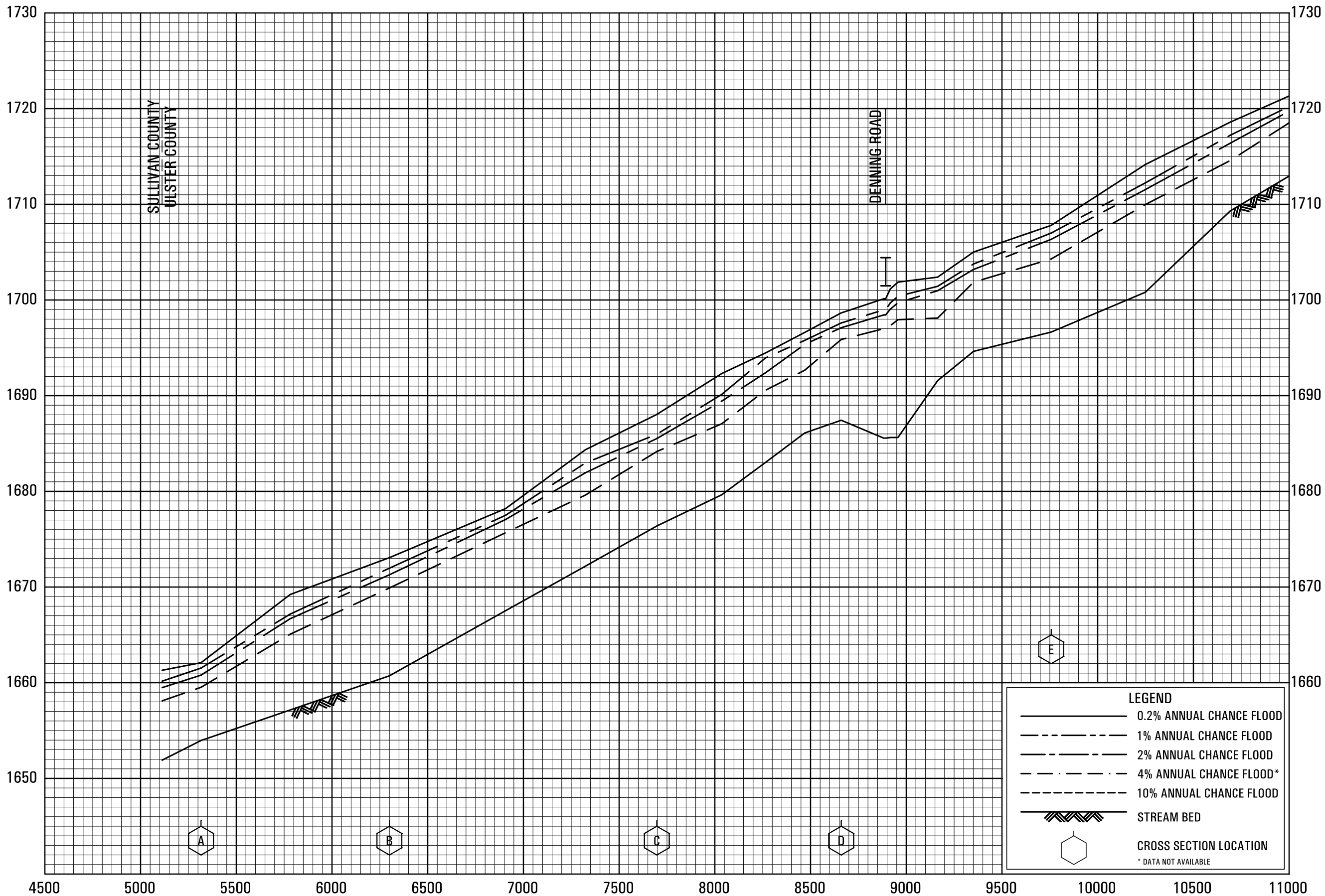
## FLOOD PROFILES

# DRY BROOK

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
ULSTER COUNTY, NY  
(ALL JURISDICTIONS)**

67P

ELEVATION IN FEET (NAVD 88)



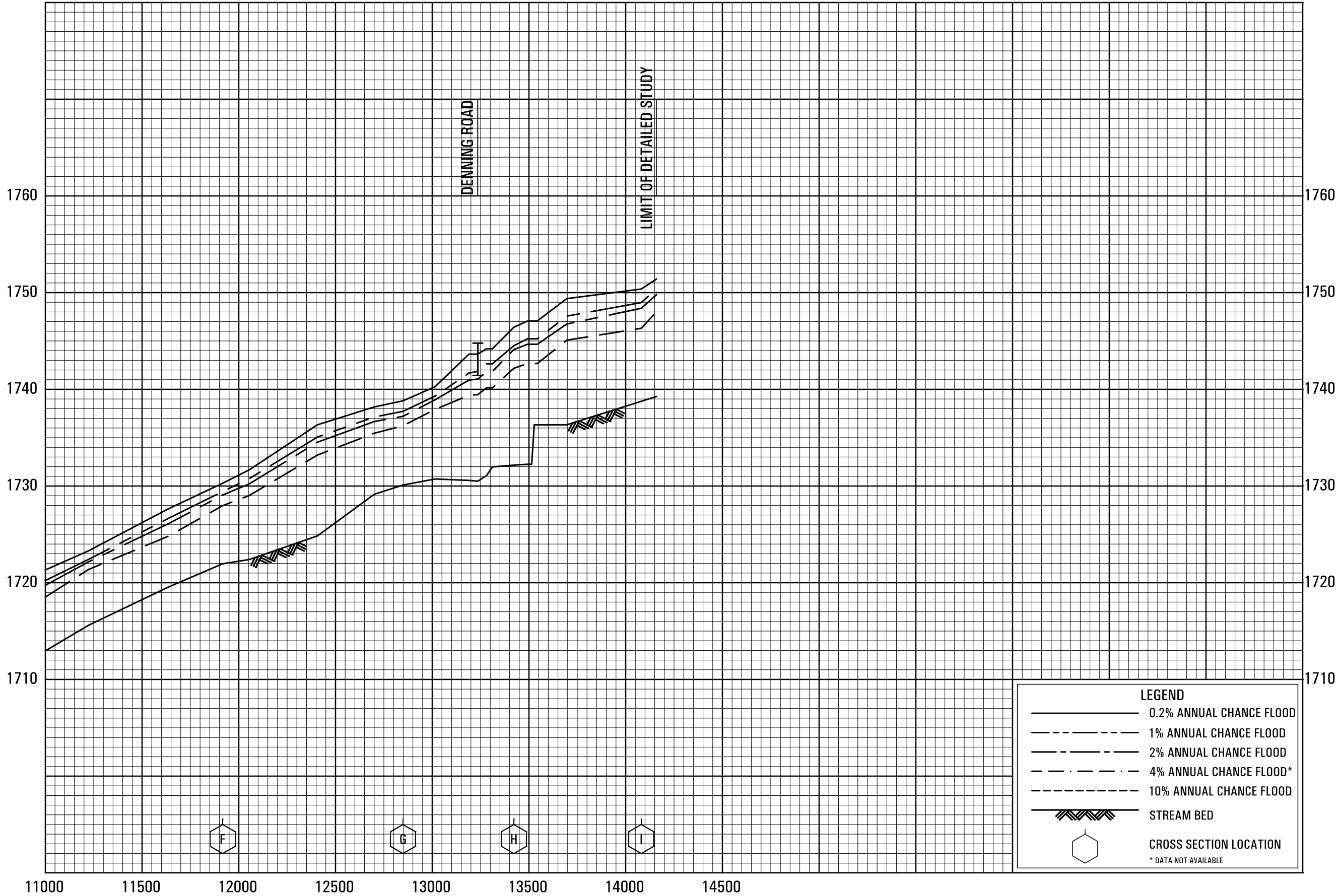
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH NEVERSINK RIVER REACH 2

FLOOD PROFILES

EAST BRANCH NEVERSINK RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY  
(ULSTER COUNTY), NY  
(ALL JURISDICTIONS)

ELEVATION IN FEET (NAVD 88)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH NEVERSINK RIVER REACH 2

FLOOD PROFILES

EAST BRANCH NEVERSINK RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY  
(ULSTER COUNTY), NY  
(ALL JURISDICTIONS)