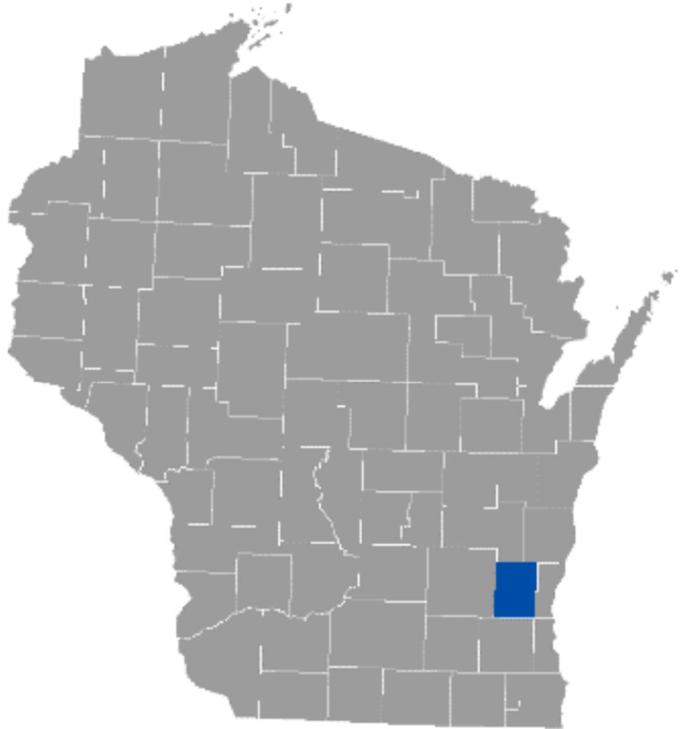


FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 4 OF 9



WASHINGTON COUNTY, WISCONSIN AND INCORPORATED AREAS

COMMUNITY NAME	NUMBER	COMMUNITY NAME	NUMBER
GERMANTOWN, VILLAGE OF	550472	NEWBURG, VILLAGE OF	550056
HARTFORD, CITY OF	550473	RICHFIELD, VILLAGE OF	550518
JACKSON, VILLAGE OF	550530	SLINGER, VILLAGE OF	550587
KEWASKUM, VILLAGE OF	550474	WASHINGTON COUNTY, UNINCORPORATED AREAS	550471
MILWAUKEE, CITY OF*	550278	WEST BEND, CITY OF	550475

*No Special Flood Hazard Areas Identified within Washington County

REVISED:

February 20, 2026

FLOOD INSURANCE STUDY NUMBER
55131CV004D
Version Number 2.8.4.3



FEMA

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Published Separately

Flood Insurance Rate Map (FIRM)

**Table 24: Flood Hazard and Non-Encroachment Data for Selected Streams
[Not Applicable to this Flood Risk Project]**

6.4 Coastal Flood Hazard Mapping

This section is not applicable to this Flood Risk Project.

**Table 25: Summary of Coastal Transect Mapping Considerations
[Not Applicable to this Flood Risk Project]**

6.5 FIRM Revisions

This FIS Report and the FIRM are based on the most up-to-date information available to FEMA at the time of its publication; however, flood hazard conditions change over time. Communities or private parties may request flood map revisions at any time. Certain types of requests require submission of supporting data. FEMA may also initiate a revision. Revisions may take several forms, including Letters of Map Amendment (LOMAs), Letters of Map Revision Based on Fill (LOMR-Fs), Letters of Map Revision (LOMRs) (referred to collectively as Letters of Map Change (LOMCs)), Physical Map Revisions (PMRs), and FEMA-contracted restudies. These types of revisions are further described below. Some of these types of revisions do not result in the republishing of the FIS Report. To assure that any user is aware of all revisions, it is advisable to contact the community repository of flood-hazard data (shown in Table 30, “Map Repositories”).

6.5.1 Letters of Map Amendment

A LOMA is an official revision by letter to an effective NFIP map. A LOMA results from an administrative process that involves the review of scientific or technical data submitted by the owner or lessee of property who believes the property has incorrectly been included in a designated SFHA. A LOMA amends the currently effective FEMA map and establishes that a specific property is not located in a SFHA.

To obtain an application for a LOMA, visit www.fema.gov/flood-maps/change-your-flood-zone and download the form “MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill”. Visit the “Flood Map-Related Fees” section to determine the cost, if any, of applying for a LOMA.

FEMA offers a tutorial on how to apply for a LOMA. The LOMA Tutorial Series can be accessed at www.fema.gov/flood-maps/tutorials.

For more information about how to apply for a LOMA, call the FEMA Mapping and Insurance eXchange; toll free, at 1-877-FEMA MAP (1-877-336-2627).

6.5.2 Letters of Map Revision Based on Fill

A LOMR-F is an official revision by letter to an effective NFIP map. A LOMR-F states FEMA’s determination concerning whether a structure or parcel has been elevated on fill above the base flood elevation and is, therefore, excluded from the SFHA.

Information about obtaining an application for a LOMR-F can be obtained in the same

manner as that for a LOMA, by visiting www.fema.gov/flood-maps/change-your-flood-zone for the “MT-1 Application Forms and Instructions for Conditional and Final Letters of Map Amendment and Letters of Map Revision Based on Fill” or by calling the FEMA Mapping and Insurance eXchange, toll free, at 1-877-FEMA MAP (1-877-336-2627). Fees for applying for a LOMR-F, if any, are listed in the “Flood Map-Related Fees” section.

A tutorial for LOMR-F is available at www.fema.gov/flood-maps/tutorials.

6.5.3 Letters of Map Revision

A LOMR is an official revision to the currently effective FEMA map. It is used to change flood zones, floodplain and floodway delineations, flood elevations and planimetric features. All requests for LOMRs should be made to FEMA through the chief executive officer of the community, since it is the community that must adopt any changes and revisions to the map. If the request for a LOMR is not submitted through the chief executive officer of the community, evidence must be submitted that the community has been notified of the request.

To obtain an application for a LOMR, visit www.fema.gov/flood-maps/change-your-flood-zone and download the form “MT-2 Application Forms and Instructions for Conditional Letters of Map Revision and Letters of Map Revision”. Visit the “Flood Map-Related Fees” section to determine the cost of applying for a LOMR. For more information about how to apply for a LOMR, call the FEMA Mapping and Insurance eXchange; toll free, at 1-877-FEMA MAP (1-877-336-2627) to speak to a Map Specialist.

Previously issued mappable LOMCs (including LOMRs) that have been incorporated into the Washington County FIRM are listed in Table 26. Please note that this table only includes LOMCs that have been issued on the FIRM panels updated by this map revision. For all other areas within this county, users should be aware that revisions to the FIS Report made by prior LOMRs may not be reflected herein and users will need to continue to use the previously issued LOMRs to obtain the most current data.

Table 26: Incorporated Letters of Map Change

Case Number	Effective Date	Flooding Source	FIRM Panel(s)
16-05-1498P	06/02/2016	Ashippun River	55131C0216F, 55131C0217F, 55131C0218F, 55131C0219F
17-05-4823P	02/07/2018	Rubicon River	55131C0229F
21-05-1969P	01/14/2022	Bark River	55131C0354F

6.5.4 Physical Map Revisions

A Physical Map Revisions (PMR) is an official republication of a community’s NFIP map to effect changes to base flood elevations, floodplain boundary delineations, regulatory floodways and planimetric features. These changes typically occur as a result of structural works or improvements, annexations resulting in additional flood hazard areas or correction to base flood elevations or SFHAs.

The community’s chief executive officer must submit scientific and technical data to FEMA to support the request for a PMR. The data will be analyzed and the map will be revised if

warranted. The community is provided with copies of the revised information and is afforded a review period. When the base flood elevations are changed, a 90-day appeal period is provided. A 6-month adoption period for formal approval of the revised map(s) is also provided.

For more information about the PMR process, please visit www.fema.gov and visit the Floods & Maps “Change Your Flood Zone Designation” section.

6.5.5 Contracted Restudies

The NFIP provides for a periodic review and restudy of flood hazards within a given community. FEMA accomplishes this through a national watershed-based mapping needs assessment strategy, known as the Coordinated Needs Management Strategy (CNMS). The CNMS is used by FEMA to assign priorities and allocate funding for new flood hazard analyses used to update the FIS Report and FIRM. The goal of CNMS is to define the validity of the engineering study data within a mapped inventory. The CNMS is used to track the assessment process, document engineering gaps and their resolution, and aid in prioritization for using flood risk as a key factor for areas identified for flood map updates. Visit www.fema.gov to learn more about the CNMS or contact the FEMA Regional Office listed in Section 8 of this FIS Report.

6.5.6 Community Map History

The current FIRM presents flooding information for the entire geographic area of Washington County. Previously, separate FIRMs, Flood Hazard Boundary Maps (FHBM) and/or Flood Boundary and Floodway Maps (FBFMs) may have been prepared for the incorporated communities and the unincorporated areas in the county that had identified SFHAs. Current and historical data relating to the maps prepared for the project area are presented in Table 27, “Community Map History.” A description of each of the column headings and the source of the date is also listed below.

- *Community Name* includes communities falling within the geographic area shown on the FIRM, including those that fall on the boundary line, nonparticipating communities, and communities with maps that have been rescinded. Communities with No Special Flood Hazards are indicated by a footnote. If all maps (FHBM, FBFM, and FIRM) were rescinded for a community, it is not listed in this table unless SFHAs have been identified in this community.
- *Initial Identification Date (First NFIP Map Published)* is the date of the first NFIP map that identified flood hazards in the community. If the FHBM has been converted to a FIRM, the initial FHBM date is shown. If the community has never been mapped, the upcoming effective date or “pending” (for Preliminary FIS Reports) is shown. If the community is listed in Table 27 but not identified on the map, the community is treated as if it were unmapped.
- *Initial FHBM Effective Date* is the effective date of the first FHBM. This date may be the same date as the Initial NFIP Map Date.
- *FHBM Revision Date(s)* is the date(s) that the FHBM was revised, if applicable.
- *Initial FIRM Effective Date* is the date of the first effective FIRM for the community.
- *FIRM Revision Date(s)* is the date(s) the FIRM was revised, if applicable. This is

the revised date that is shown on the FIRM panel, if applicable. As countywide studies are completed or revised, each community listed should have its FIRM dates updated accordingly to reflect the date of the countywide study. Once the FIRMs exist in countywide format, as PMRs of FIRM panels within the county are completed, the FIRM Revision Dates in the table for each community affected by the PMR are updated with the date of the PMR, even if the PMR did not revise all the panels within that community.

The initial effective date for the Washington County FIRMs in countywide format was 11/20/2013.

Table 27: Community Map History

Community Name	Initial Identification Date	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Germantown, Village of	06/28/1974	06/28/1974	06/24/1977	05/03/1982	02/20/2026 02/25/2022 10/16/2015 11/20/2013
Hartford, City of ¹	01/09/1974	01/09/1974	05/14/1976	12/04/1984	02/20/2026 10/16/2015 11/20/2013
Jackson, Village of	12/21/1973	12/21/1973	03/30/1979 05/21/1976	08/17/1981	02/25/2022 11/20/2013
Kewaskum, Village of ²	12/21/1973	12/21/1973	03/11/1977 04/23/1976	01/06/1982	02/20/2026 11/20/2013
Milwaukee, City of ^{3,4}	06/28/1974	06/28/1974	10/15/1976	03/01/1982	02/20/2026 11/20/2013 11/19/1987 11/15/1985
Newburg, Village of ⁵	12/04/2007	N/A	N/A	12/04/2007	02/20/2026 02/25/2022 11/20/2013
Richfield, Village of	08/12/1977 ⁶	08/12/1977	N/A	09/01/1983 ⁶	02/20/2026 02/25/2022 10/16/2015 11/20/2013
Slinger, Village of	10/21/1977	10/21/1977	N/A	11/20/2013	02/20/2026 02/25/2022 10/16/2015

¹ This community is also located in Dodge County

² This community is also located in Fond du Lac County

³ This community is also located in Milwaukee and Waukesha Counties

⁴ Special flood areas have been identified in this community; however, none exist within the portion of the community located in Washington County

⁵ This community is also located in Ozaukee County

⁶ Date for this community taken from the Washington County, Unincorporated Areas

Table 27: Community Map History (continued)

Community Name	Initial Identification Date	Initial FHBM Effective Date	FHBM Revision Date(s)	Initial FIRM Effective Date	FIRM Revision Date(s)
Washington County, Unincorporated Areas	08/12/1977	08/12/1977	N/A	09/01/1983	02/20/2026 02/25/2022 10/16/2015 11/20/2013
West Bend, City of	12/28/1973	12/28/1973	04/30/1976	08/02/1982	02/20/2026 02/25/2022 11/20/2013 07/16/1997

¹ This community is also located in Dodge County

² This community is also located in Fond du Lac County

³ This community is also located in Milwaukee and Waukesha Counties

⁴ Special flood areas have been identified in this community; however, none exist within the portion of the community located in Washington County

⁵ This community is also located in Ozaukee County

⁶ Date for this community taken from the Washington County, Unincorporated Areas

SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION

7.1 Contracted Studies

Table 28 provides a summary of the contracted studies, by flooding source, that are included in this FIS Report.

Table 28: Summary of Contracted Studies Included in this FIS Report

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Allenton Creek	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Allenton Creek Bypass	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Allenton Creek Unnamed Tributary 1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Allenton Creek Unnamed Tributary 1.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Amy Bell Creek	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Amy Bell Lake	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Ashippun River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Ashippun River	02/20/2026	N/A	N/A	2016	Washington County, Unincorporated Areas
Ashippun River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Ashippun River Overland Flowpath	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Ashippun River Tributary 2	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Ashippun River Tributary 2.1	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Ashippun River Tributary 2.2	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Ashippun River Tributary 3	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Ashippun River Tributary 4	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Ashippun River Tributary 5	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Bark River	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Bark River	02/20/2026	N/A	N/A	2022	Richfield, Village of
Bark River	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Bark River Tributary 1	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Bark River Tributary 1.1	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Bolton Brook	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Bonniwell Creek	02/25/2022	WI-DNR	WI-17-01	2018	Richfield, Village of; Germantown, Village of
Brooklane Overflow	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of
Butler Creek Tributary 1	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Butler Creek Tributary 2	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Cedar Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Cedar Creek	02/25/2022	WI-DNR	WI-17-01	2018	Jackson, Village of; Washington County, Unincorporated Areas
Cedar Lake	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
Cedarburg Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
Cedarburg Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Coney River	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of; Washington County, Unincorporated Areas
Coney River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Coney River Overland Flowpath	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Deer Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
East Branch Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
East Branch Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
East Branch Rock River	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
East Branch Rock River	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 1.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 1.2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 1.3	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 1.3.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 1.4	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
East Branch Rock River Unnamed Tributary 2 Bypass	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 2.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 2.1 Bypass	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 2.2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
East Branch Rock River Unnamed Tributary 2.3	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Edgewood Creek	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of
Edgewood Creek Overflow Channel	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of
Evergreen Bypass	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
Evergreen Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas; West Bend, City of
Flynn Creek	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Frieden's Creek	02/25/2022	WI-DNR	WI-17-01	2018	Jackson, Village of; Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Green Lake	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Hasmer Creek	02/25/2022	WI-DNR	WI-17-01	2018	Jackson, Village of; Washington County, Unincorporated Areas
Hubertus Ditch No. 1	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
HWY 41 Overflow	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Jackson Creek	02/25/2022	WI-DNR	WI-17-01	2018	Jackson, Village of; Washington County, Unincorporated Areas
Kettleview Creek	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of; Washington County, Unincorporated Areas
Kewaskum Creek	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of; Washington County, Unincorporated Areas
Kewaskum Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Kewaskum Creek Overflow Channel	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Knights Creek	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of; Washington County, Unincorporated Areas
Knights Creek Overflow	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of
Kohlsville River	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Kohlsville River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Kohlsville River	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Kohlsville River – Park Route	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Kohlsville River Unnamed Tributary 1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Kohlsville River Unnamed Tributary 2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Kohlsville River Unnamed Tributary 2.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Kressen Branch	02/25/2022	WI-DNR	WI-17-01	2018	Germantown, Village of; Washington County, Unincorporated Areas
Lake Five	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Lehner Outlet	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
Limestone Creek	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Limestone Creek Unnamed Tributary 1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Limestone Creek Unnamed Tributary 2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Limestone Creek Unnamed Tributary 3	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Limestone Creek Unnamed Tributary 3.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Limestone Creek Unnamed Tributary 3.2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Limestone Creek Unnamed Tributary 4	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Limestone Creek Unnamed Tributary 5	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Limestone Creek Unnamed Tributary 6	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Little Cedar Creek	02/25/2022	WI-DNR	WI-17-01	2018	Germantown, Village of; Richfield, Village of; Washington County, Unincorporated Areas
Little Cedar Creek Bypass	02/25/2022	WI-DNR	WI-17-01	2018	Germantown, Village of; Richfield, Village of; Washington County, Unincorporated Areas
Little Oconomowoc River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Lower Rock River Watershed Zone A studies	11/20/2013	Camp, Dresser, & Mckee	Information Unavailable	2013	Richfield, Village of

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Marsh Creek	03/01/1983	Donohue & Associates, Inc.	H-4726	1980	Richfield, Village of
Mason Creek	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Mason Creek Tributary 1	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Menomonee River	11/03/1981	Donohue & Associates, Inc.	H-4726	1980	Germantown, Village of
Menomonee River Unnamed Tributary 1	02/20/2026	WI-DNR	WI-19-01	2020	Germantown, Village of
Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of; Newburg, Village of; Washington County, Unincorporated Areas; West Bend, City of
Milwaukee River Watershed Zone A studies	11/20/2013	Camp, Dresser, & Mckee	Information Unavailable	2013	Germantown, Village of; Washington County, Unincorporated Areas; West Bend, City of
Mueller Lake	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
Myra Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Nature's Friends Tributary	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
No Name Creek Unnamed Tributary 1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Nolan Creek	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
North Branch Cedar Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
North Branch Menomonee River	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of; Washington County, Unincorporated Areas
North Branch Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
North Branch Milwaukee River Unnamed Tributary 1	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
North Branch Milwaukee River Unnamed Tributary 2	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
North Creek	02/20/2026	WI-DNR	WI-19-01	2019	Kewaskum, Village of; Washington County, Unincorporated Areas
North Crossway Channel	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
North Crossway Channel Unnamed Tributary 1	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
North Crossway Channel Unnamed Tributary 2	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Oconomowoc Bypass	02/25/2022	WI-DNR	WI-17-01	2018	Richfield, Village of; Washington County, Unincorporated Areas
Oconomowoc River	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of; Washington County, Unincorporated Areas
Polk Springs Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
Putter Creek	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Quaas Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas; West Bend, City of
Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Hartford, City of; Washington County, Unincorporated Areas
Rubicon River	02/20/2026	N/A	N/A	2018	Hartford, City of; Washington County, Unincorporated Areas
Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Hartford, City of; Slinger, Village of; Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Rubicon River Overland Flowpath	10/16/2015	WI-DNR	WI-10-01	2013	Hartford, City of; Washington County, Unincorporated Areas
Rubicon River Tributary 1	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Rubicon River Tributary 2	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
Scenic Brook	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
Silver Creek	07/16/1997	SEWRPC	N/A	1995	Washington County, Unincorporated Areas; West Bend, City of
Silverbrook Creek	07/16/1997	SEWRPC	N/A	1995	Washington County, Unincorporated Areas; West Bend, City of
Smith Lake Channel	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Springside Creek	02/25/2022	WI-DNR	WI-17-01	2018	Germantown, Village of; Richfield, Village of; Washington County, Unincorporated Areas
Stony Creek	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Stony Creek Unnamed Tributary 1	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Stream 1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Tributary 1 to Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas; West Bend, City of
Tributary 2 to Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas; West Bend, City of
Tributary 2 to Milwaukee River Split	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Tributary No. 1	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Tributary No. 1A	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Tributary No. 1B	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Tributary No. 2	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Tributary No. 2 Unnamed Tributary 1	02/20/2026	WI-DNR	WI-19-01	2020	Germantown, Village of
Tributary No. 3	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Tributary No. 4	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Tributary No. 5	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Tributary No. 5 Overflow	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
Unnamed Tributary to Ashippun River	10/16/2015	WI-DNR	WI-10-01	2013	Hartford, City of; Washington County, Unincorporated Areas
Unnamed Tributary to Frieden's Creek	10/16/2015	FEMA	N/A	2005	Washington County, Unincorporated Areas
UT to West Branch Menomonee River	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
UT to West Branch Menomonee River Overflow	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
UT Washington Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas; West Bend, City of
UT Wingate Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas; West Bend, City of
UT-1 Kewaskum Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-1 Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-1 Mink Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-1 Mink Creek	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
UT-1 Quaas Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
Upper Rock River Watershed Zone A studies	11/20/2013	Camp, Dresser, & Mckee	Information Unavailable	2013	Hartford, City of; Richfield, Village of; Washington County, Unincorporated Areas
UT-1 to Big Cedar Lake	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
UT-1 to Cedar Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
UT-1 to Coney River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-1 to Coney River Overflow	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-1 to Coney River Overflow West	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-1 to Evergreen Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
UT-1 to Hasmer Creek	10/16/2015	N/A	N/A	2011	Jackson, Village of; Washington County, Unincorporated Areas
UT-1 to Kressen Branch	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
UT-1 to Little Cedar Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
UT-1 to Little Cedar Lake	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
UT-1 to Oconomowoc River	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of; Washington County, Unincorporated Areas
UT-1 to Polk Springs Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
UT-1 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-1.1 Quaas Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-1.1 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-1.1.1 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-1.2 Quaas Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-1.2 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-1.2.1 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-2 Kewaskum Creek	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-2 Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas; West Bend, City of
UT-2 to Cedar Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
UT-2 to Coney River	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of; Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
UT-2 to Little Cedar Creek	02/25/2022	WI-DNR	WI-17-01	2018	Washington County, Unincorporated Areas
UT-2 to Oconomowoc River	10/16/2015	WI-DNR	WI-10-01	2013	Richfield, Village of
UT-2 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Washington County, Unincorporated Areas
UT-2.1 Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-2.1 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Hartford, City of; Washington County, Unincorporated Areas
UT-3 Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-3 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Hartford, City of; Washington County, Unincorporated Areas
UT-3.1 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Hartford, City of; Washington County, Unincorporated Areas
UT-4 Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
UT-4 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Slinger, Village of; Washington County, Unincorporated Areas
UT-5 to Rubicon River	10/16/2015	WI-DNR	WI-10-01	2013	Slinger, Village of; Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Wallace Creek	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Wallace Creek Unnamed Tributary 2	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Wallace Creek Unnamed Tributary 3	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Washington Creek	07/16/1997	SEWRPC	N/A	1995	Washington County, Unincorporated Areas, West Bend, City of
Wayne Creek	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 2.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 3	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 4	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 4.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Wayne Creek Unnamed Tributary 4.2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 5	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Wayne Creek Unnamed Tributary 6	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
West Branch Menomonee River	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
West Branch Menomonee River Overflow	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of
West Branch Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2019	Washington County, Unincorporated Areas
West Branch Milwaukee River	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
West Branch Milwaukee River Unnamed Tributary 1	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
West Branch Milwaukee River Unnamed Tributary 1.1	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
West Branch Milwaukee River Unnamed Tributary 1.2	02/20/2026	WI-DNR	WI-19-01	2020	Washington County, Unincorporated Areas
Wetland Extension 2	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas

Table 28: Summary of Contracted Studies Included in this FIS Report (continued)

Flooding Source	FIS Report Dated	Contractor	Number	Work Completed Date	Affected Communities
Wetland Extension 2.1	02/20/2026	CDM	WI-20-01	2022	Washington County, Unincorporated Areas
Willow Creek	02/20/2026	WI-DNR	WI-19-01	2019	Germantown, Village of; Richfield, Village of
Willow Creek Unnamed Tributary 1	02/20/2026	WI-DNR	WI-19-01	2020	Germantown, Village of
Willow Creek Unnamed Tributary 1.1	02/20/2026	WI-DNR	WI-19-01	2020	Germantown, Village of
Wingate Creek	11/13/2013	SEWRPC	N/A	1989	Washington County, Unincorporated Areas; West Bend, City of

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 29. 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 29: Community Meetings

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Germantown, Village of	02/20/2026	05/16/2013	Project Discovery	Wisconsin DNR, Wisconsin Emergency Management (WEM), SEWRPC, MMSD, Ruekert Mielke, Washington County, City of West Bend, Villages of Kewaskum, Newburg, and Slinger
		08/28/2019	Resilience	Wisconsin DNR, WEM, SEWRPC, MMSD, FEMA, Washington County, Cities of Milwaukee and West Bend, Village of Newburg
		08/28/2019	Flood Risk Review	Wisconsin DNR, WEM, SEWRPC, MMSD, FEMA, Washington County, Cities of Milwaukee and West Bend, Village of Newburg
		05/02/2024	CCO Meeting	Wisconsin DNR, Wisconsin Emergency Management, SEWRPC, FEMA, Washington County, Cities of Hartford and West Bend, Villages of Germantown, Jackson, Newburg, and Richfield
Hartford, City of	02/20/2026	05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown
Jackson, Village of	02/25/2022	11/21/2019	CCO Meeting	Representatives from the Village of Germantown, Washington County, and Wisconsin DNR
Kewaskum, Village of	02/20/2026	05/16/2013	Project Discovery	Reference Project Discovery Attendees from the Village of Germantown
		08/28/2019	Resilience	Reference Resilience Attendees from the Village of Germantown
		08/28/2019	Flood Risk Review	Reference Flood Risk Review Attendees from the Village of Germantown
		05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown
Milwaukee, City of	02/20/2026	05/16/2013	Project Discovery	Reference Project Discovery Attendees from the Village of Germantown
		08/28/2019	Resilience	Reference Resilience Attendees from the Village of Germantown
		08/28/2019	Flood Risk Review	Reference Flood Risk Review Attendees from the Village of Germantown
		05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown

Table 29: Community Meetings (continued)

Community	FIS Report Dated	Date of Meeting	Meeting Type	Attended By
Newburg, Village of	02/20/2026	05/16/2013	Project Discovery	Reference Project Discovery Attendees from the Village of Germantown
		08/28/2019	Resilience	Reference Resilience Attendees from the Village of Germantown
		08/28/2019	Flood Risk Review	Reference Flood Risk Review Attendees from the Village of Germantown
		05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown
Richfield, Village of	02/20/2026	05/16/2013	Project Discovery	Reference Project Discovery Attendees from the Village of Germantown
		08/28/2019	Resilience	Reference Resilience Attendees from the Village of Germantown
		08/28/2019	Flood Risk Review	Reference Flood Risk Review Attendees from the Village of Germantown
		05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown
Slinger, Village of	02/20/2026	05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown
Washington County and Incorporated Areas	02/20/2026	05/16/2013	Project Discovery	Reference Project Discovery Attendees from the Village of Germantown
		08/28/2019	Resilience	Reference Resilience Attendees from the Village of Germantown
		08/28/2019	Flood Risk Review	Reference Flood Risk Review Attendees from the Village of Germantown
		05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown
West Bend, City of	02/20/2026	05/16/2013	Project Discovery	Reference Project Discovery Attendees from the Village of Germantown
		08/28/2019	Resilience	Reference Resilience Attendees from the Village of Germantown
		08/28/2019	Flood Risk Review	Reference Flood Risk Review Attendees from the Village of Germantown
		05/02/2024	CCO Meeting	Reference CCO Meeting Attendees from the Village of Germantown

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.

The additional data that was used for this project includes the FIS Report and FIRM that were previously prepared for Washington County, (FEMA, 2022).

Table 30 is a list of the locations where FIRMs for Washington 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 30: Map Repositories

Community	Address	City	State	Zip Code
Germantown, Village of	Village Hall N112 W17001 Mequon Road	Germantown	WI	53022
Hartford, City of	City Hall 109 North Main Street	Hartford	WI	53027
Jackson, Village of	Village Hall N168 W19851 Main Street	Jackson	WI	53037
Kewaskum, Village of	Village Hall 204 First Street	Kewaskum	WI	53040
Milwaukee, City of ¹	Zeidler Municipal Building 841 North Broadway	Milwaukee	WI	53202
Newburg, Village of	Village Hall 620 West Main Street	Newburg	WI	53060
Richfield, Village of	Richfield Village Hall 4128 Hubertus Road	Hubertus	WI	53033
Slinger, Village of	Village Hall 300 Slinger Road	Slinger	WI	53086
Washington County, Unincorporated Areas	Washington County Public Agency Center 333 East Washington Street, Suite 2300	West Bend	WI	53095
West Bend, City of	City Hall 1115 South Main Street	West Bend	WI	53095

¹ No Special Flood Hazard Areas Identified

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 31.

Table 31 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 31: Additional Information

FEMA and the NFIP	
FEMA and FEMA Engineering Library website	www.fema.gov/flood-maps/products-tools/know-your-risk/engineers-surveyors-architects
NFIP website	www.fema.gov/flood-insurance
NFHL Dataset	msc.fema.gov
FEMA Region V	536 South Clark Street, 6th Floor Chicago, IL 60605 (312) 408-5500
Other Federal Agencies	
USGS website	www.usgs.gov
Hydraulic Engineering Center website	www.hec.usace.army.mil
State Agencies and Organizations	
State NFIP Coordinator	State National Floodplain Insurance Program (NFIP) Coordinator Sarah Rafajko Wisconsin Dept. of Natural Res. 3550 Mormon Coulee Road La Crosse, WI 54601 (608) 893-8710 Sarah.Rafajko@Wisconsin.gov
Acting State GIS Coordinator	Peter Herreid Wisconsin Department of Administration 101 East Wilson Street, 9 th Floor Madison, WI 53707 (608) 267-3369 Peter.Herreid@Wisconsin.gov

SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES

Table 32 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 32: 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
CDM, 2005	Camp, Dresser, and McKee	<i>2005 Digital Topographic Data</i>	Camp, Dresser, and McKee	Chicago, IL	2005	
FEMA, 1981a	Federal Emergency Management Agency	<i>Flood Insurance Study Report, Village of Germantown, Washington County, Wisconsin. Volume 550472v000</i>	Federal Emergency Management Agency	Washington, DC	1981	
FEMA, 1983	Federal Emergency Management Agency	<i>Flood Insurance Study Report, County of Washington, Wisconsin Unincorporated Areas. Volume 550471v000</i>	Federal Emergency Management Agency	Washington, DC	1983	
FEMA, 1997a	Federal Emergency Management Agency	<i>Flood Insurance Study Report, City of West Bend, Washington County, Wisconsin. Volume 550475v000</i>	Federal Emergency Management Agency	Washington, DC	1997	
FEMA, 2005	Federal Emergency Management Agency	<i>LOMR 05-05-1018P</i>	Federal Emergency Management Agency	Washington, DC	2005	
FEMA, 2011	Federal Emergency Management Agency	<i>LOMR 10-05-2489P</i>	Federal Emergency Management Agency	Washington, DC	2011	
FEMA, 2013	Federal Emergency Management Agency	<i>Effective DFIRM, Washington County, Wisconsin.</i>	Federal Emergency Management Agency	Washington, DC	2013	

Table 32: 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, 2016	Federal Emergency Management Agency	<i>LOMR 16-05-1498P</i>	Federal Emergency Management Agency	Washington, DC	2016	
FEMA, 2018	Federal Emergency Management Agency	<i>LOMR 17-05-4823P</i>	Federal Emergency Management Agency	Washington, DC	2018	
FEMA, 2022a	Federal Emergency Management Agency	LOMR 21-05-1969P: Windt - Proposed Residence - Bark Lake	Quam Engineering, LLC	Washington, DC	2022	
FEMA, 2022b	Federal Emergency Management Agency	Flood Insurance Study Report, Washington County, Wisconsin and Incorporated Areas, Volumes 55131CV001C, 55131CV002C, 55131CV003C, 55131CV004C, 55131CV005C, and 55131CV006C	Federal Emergency Management Agency	Washington, DC	2022	
SEWRPC, 2000	Southeast Wisconsin Regional Planning Commission	<i>2000 Digital Base Map Information</i>	Southeast Wisconsin Regional Planning Commission	Waukesha, WI	2000	
SEWRPC, 2003	Southeast Wisconsin Regional Planning Commission	<i>2003 Digital Terrain Model</i>	Southeast Wisconsin Regional Planning Commission	Waukesha, WI	2003	

Table 32: 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
SEWRPC, 2005	Southeast Wisconsin Regional Planning Commission	<i>Digital Land Base Mapping of Washington County</i>	Southeast Wisconsin Regional Planning Commission	Waukesha, WI	2005	
SEWRPC, 2013	Wisconsin Department of Natural Resources	<i>Oconomowoc Tributaries Leverage Study by SEWRPC, Washington County and Incorporated Areas, WI</i>	Southeast Wisconsin Regional Planning Commission	Madison, WI	2013	
US CENSUS, 2000	Wisconsin Office of Land Information Services, DOA	<i>Wisconsin 2000 Roads</i>	US Census Bureau	Madison, WI	2000	
USACE, 2010a	U.S. Army Corps of Engineers, Hydrologic Engineering Center	<i>HEC-HMS Hydrologic Modeling System, version 3.5</i>	U.S. Army Corps of Engineers, Hydrologic Engineering Center	Davis, CA	2010	
USACE, 2010b	U.S. Army Corps of Engineers, Hydrologic Engineering Center	<i>HEC-RAS River Analysis System, version 4.1.0</i>	U.S. Army Corps of Engineers, Hydrologic Engineering Center	Davis, CA	2010	
USGS, 2020	US Geological Survey	<i>USGS National Map: Orthoimagery for Washington County</i>	US Geological Survey	Washington, DC	2020	
WDNR, 1996	Wisconsin Department of Natural Resources	<i>Wisconsin PLSS sections from 1:24K landnet</i>	Wisconsin Department of Natural Resources	Madison, WI	1996	

Table 32: 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
WDNR, 2004	Wisconsin Department of Natural Resources	<i>Wisconsin Hydrological Features</i>	Wisconsin Department of Natural Resources	Madison, WI	2004	
WDNR, 2005a	Wisconsin Department of Natural Resources	<i>WDNR Approximate Study Analysis, Washington County</i>	Wisconsin Department of Natural Resources	Madison, WI	2005	
WDNR, 2005b	Wisconsin Department of Natural Resources	<i>General Structures for Washington Countywide Study</i>	Wisconsin Department of Natural Resources	Madison, WI	2005	
WDNR, 2006a	Wisconsin Department of Natural Resources	<i>Zone X Areas of Minimal Flood Hazard, Washington County, Wisconsin</i>	Wisconsin Department of Natural Resources	Madison, WI	2006	
WDNR, 2006b	Wisconsin Department of Natural Resources	<i>FIRM Panel Index for Washington Countywide study</i>	Wisconsin Department of Natural Resources	Madison, WI	2006	
WDNR, 2007	Wisconsin Department of Natural Resources	<i>DEM based on three terrain sources provided by Washington County; 1) 2007 LiDAR data where available, 2) 2005 digital terrain model, and 3) 2003 digital terrain model in some areas</i>	Wisconsin Department of Natural Resources	Madison, WI	2007	
WDNR, 2013a	Wisconsin Department of Natural Resources	<i>Oconomowoc River and UT-1 to Oconomowoc River Detailed Study Revision</i>	Wisconsin Department of Natural Resources	Madison, WI	2013	

Table 32: Bibliography and References (continued)

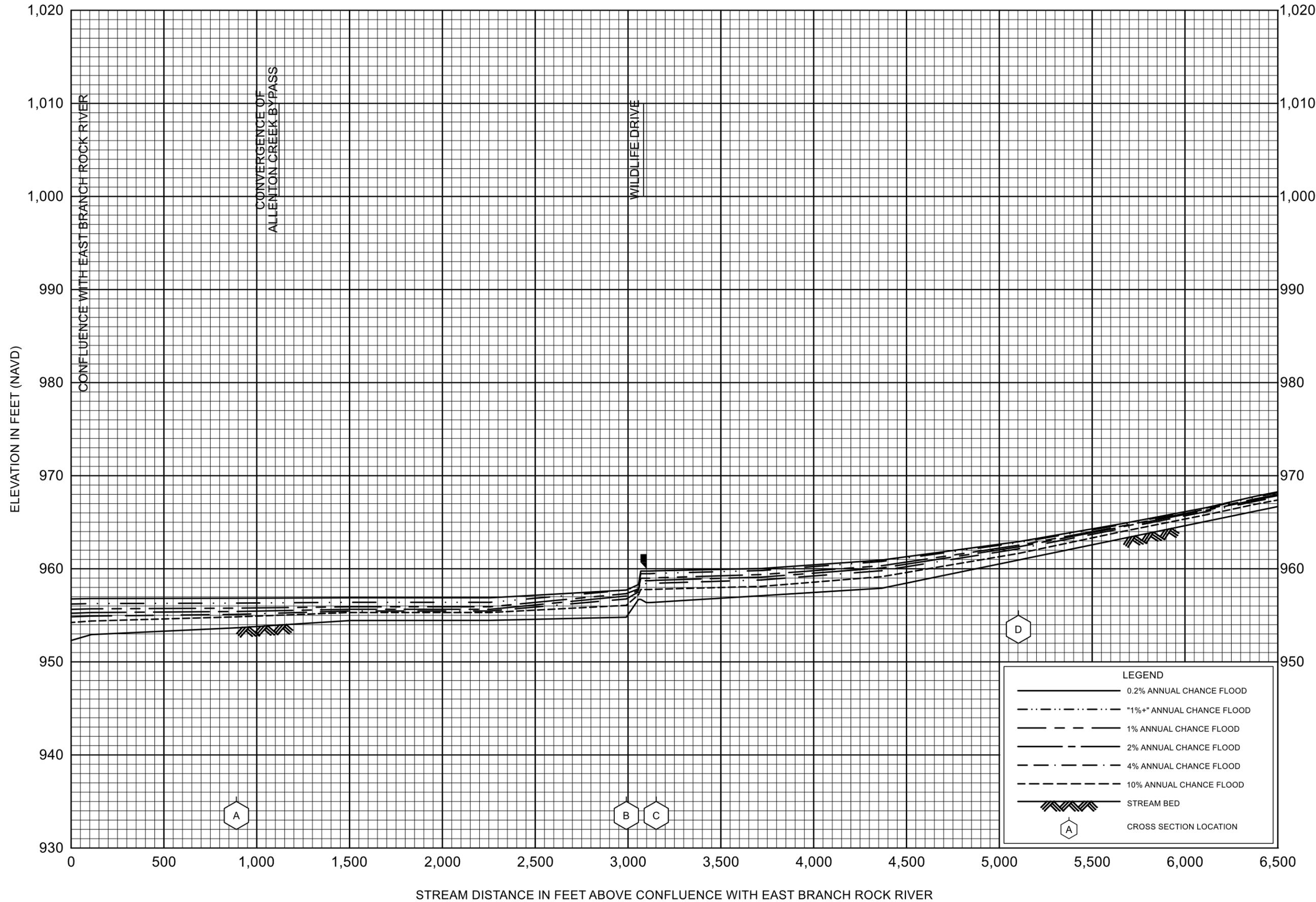
Citation in this FIS	Publisher/ Issuer	Publication Title, "Article," Volume, Number, etc.	Author/Editor	Place of Publication	Publication Date/ Date of Issuance	Link
WDNR, 2013b	Wisconsin Department of Natural Resources	<i>Approximate Study Analysis in Upper Rock River Watershed (HUC8 07090001), WI performed by CDM-Smith, 2013</i>	Wisconsin Department of Natural Resources	Madison, WI	2013	
WDNR, 2013c	Wisconsin Department of Natural Resources	<i>Ashippun River Detailed Study Revision</i>	Wisconsin Department of Natural Resources	Madison, WI	2013	
WDNR, 2013d	Wisconsin Department of Natural Resources	<i>Zone X Special Flood Hazard Areas, Washington County and Incorporated Areas, WI</i>	Wisconsin Department of Natural Resources	Madison, WI	2013	
WDNR, 2016	Wisconsin Department of Natural Resources	<i>Transportation data for Washington County and Incorporated Areas, Wisconsin.</i>	Geofabrik	Madison, WI	2016	
WDNR, 2017	Wisconsin Department of Natural Resources	<i>2015 LiDAR Derived Digital Elevation Model for Washington County, Wisconsin.</i>	Wisconsin Department of Natural Resources	Madison, WI	2017	
WDNR, 2018	Wisconsin Regional Orthoimagery Consortium (WROC)	<i>2015 High-resolution Digital Orthoimagery of Washington County, Wisconsin</i>	Wisconsin Regional Orthophotography Consortium (WROC)	Madison, WI	2018	
WDNR, 2019a	Wisconsin Department of Natural Resources	<i>Cedar Creek Physical Map Revision study in Washington County and Incorporated Areas. LOMR 17-05-2504P</i>	Wisconsin Department of Natural Resources	Madison, WI	2019	

Table 32: 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
WDNR, 2019b	Wisconsin Department of Natural Resources	<i>Unshaded Zone X Flood Hazard Areas for Cedar Creek Physical Map Revision study in Washington County and Incorporated Areas. LOMR 17-05-2504P</i>	Wisconsin Department of Natural Resources	Madison, WI	2019	
WDNR, 2020	Wisconsin Department of Natural Resources	<i>Frieden's Creek Revised Detail Study, Washington County, WI performed by MSA Professional Services, Inc</i>	Wisconsin Department of Natural Resources	Madison, WI	2020	
WDNR, 2025	Wisconsin Department of Natural Resources	<i>Political Boundaries for Washington County, Wisconsin</i>	Wisconsin Legislative Technology Service Bureau	Madison, WI	2025	
WDNR, 2026a	Wisconsin Department of Natural Resources	<i>Updated Detailed Study (AE Zone) Modeling and Mapping for Washington County, WI and Incorporated Areas Milwaukee River watershed PMR Study funded by FEMA</i>	Wisconsin Department of Natural Resources	Madison, WI	02/20/2026	
WDNR, 2026b	Wisconsin Department of Natural Resources	<i>Updated Detailed Study (AE Zone) Modeling and Mapping for Washington County, WI and Incorporated Areas Milwaukee River watershed PMR Study funded by WDNR and Washington County</i>	Wisconsin Department of Natural Resources	Madison, WI	02/20/2026	

Table 32: 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
WDNR, 2026c	Wisconsin Department of Natural Resources	<i>Updated Approximate Study (A Zone) Modeling and Mapping for Washington County, WI and Incorporated Areas Milwaukee River watershed PMR Study</i>	Wisconsin Department of Natural Resources	Madison, WI	02/20/2026	
WDNR, 2026d	Wisconsin Department of Natural Resources	<i>Unshaded Zone X Flood Hazard Areas for Washington County Map Update (21-05-0013S) in Washington County, WI and Incorporated Areas</i>	Wisconsin Department of Natural Resources	Madison, WI	02/20/2026	
WDNR, 2026e	Wisconsin Department of Natural Resources	<i>Detailed Study Leverage Data for the Milwaukee River Watershed in Washington County, WI (13-05-3721S)</i>	Wisconsin Department of Natural Resources	Madison, WI	02/20/2026	
WDNR, 2026f	Wisconsin Department of Natural Resources	<i>East Branch Rock River Physical Map Revision study in Washington County, Wisconsin and Incorporated Areas. LOMR 20-05-1713P</i>	CDM	Madison, WI	02/20/2026	
WDNR, 2026g	Wisconsin Department of Natural Resources	<i>Washington County Map Update (21-05-0013S): Combines Milwaukee River Watershed RiskMap Study (13-05-3721S), East Branch Rock River PMR (LOMR 20-05-1713P), and Washington County Datum Conversion to NAVD88(2012)</i>	Wisconsin Department of Natural Resources	Madison, WI	02/20/2026	

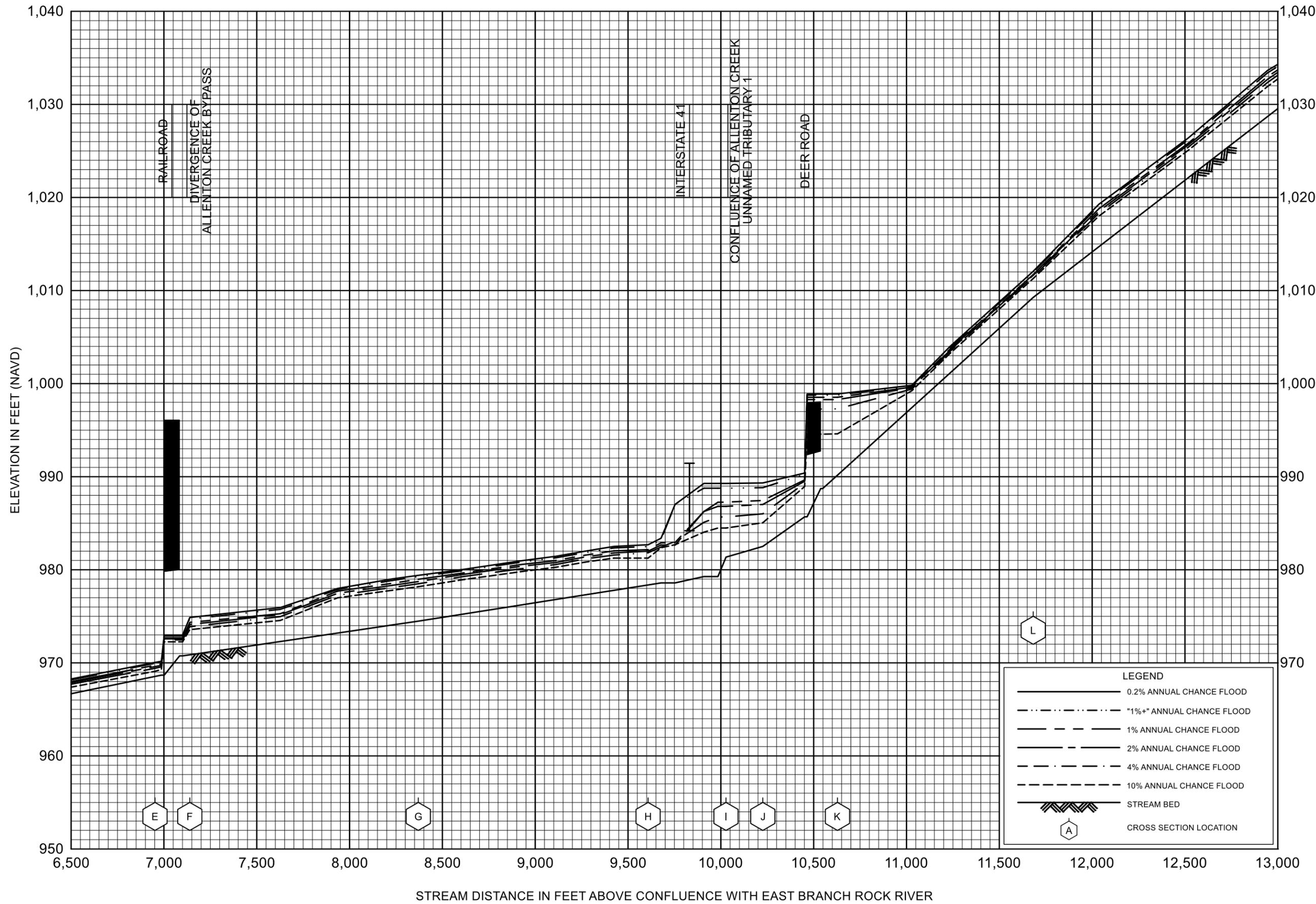


FLOOD PROFILES

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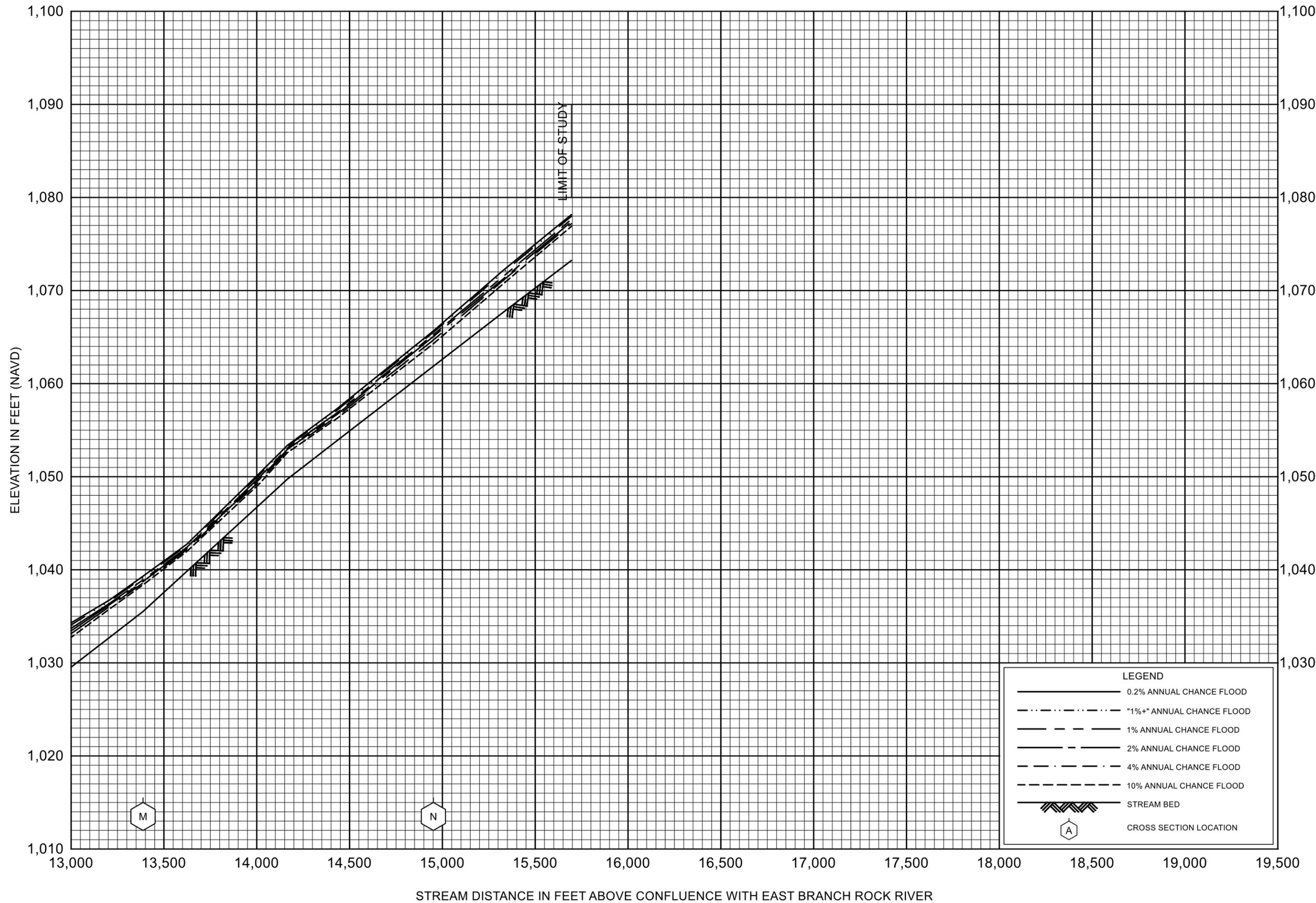
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WASHINGTON COUNTY, WI
AND INCORPORATED AREAS



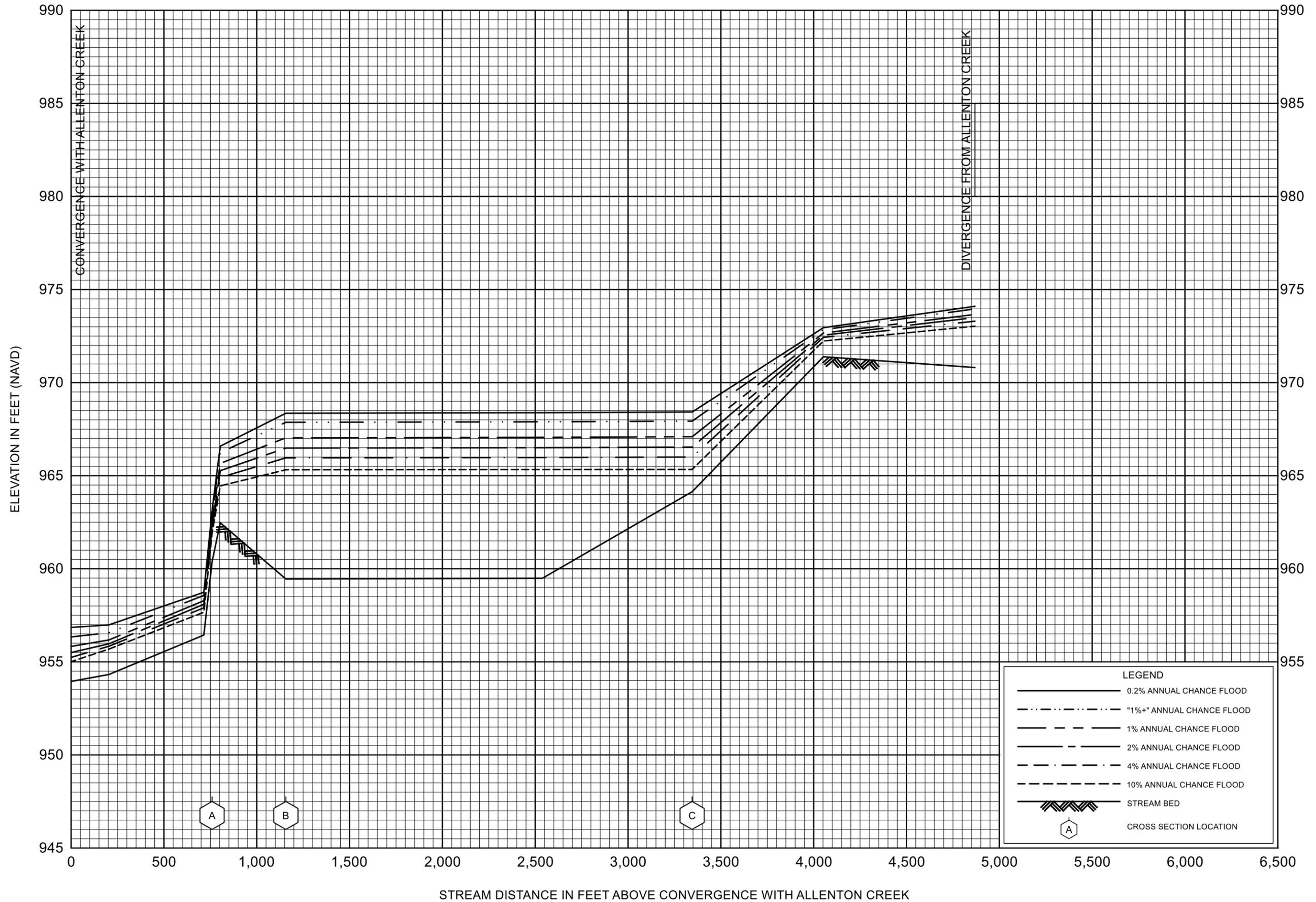
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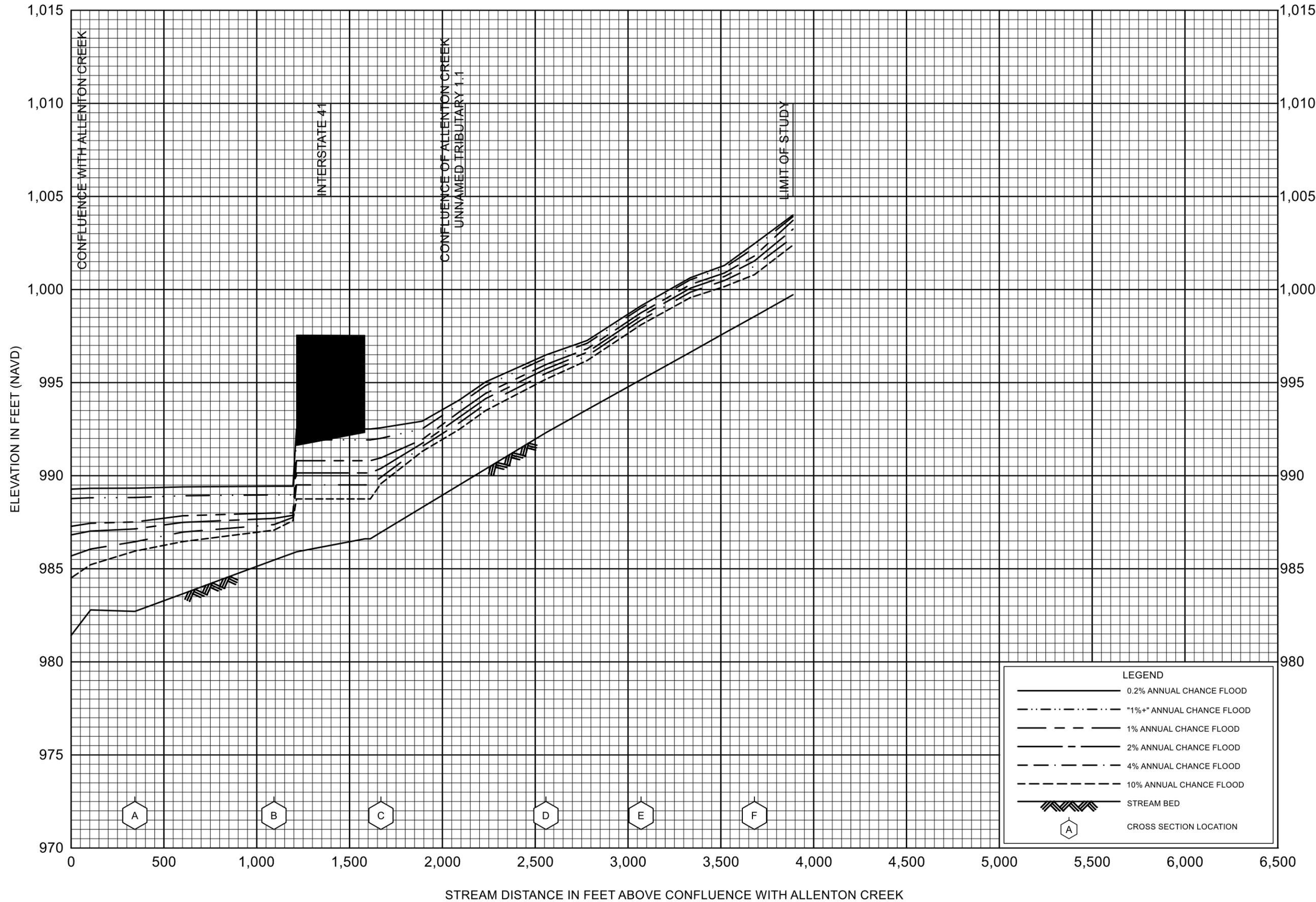


FLOOD PROFILES

ALLENTON CREEK BYPASS

FEDERAL EMERGENCY MANAGEMENT AGENCY

WASHINGTON COUNTY, WI
AND INCORPORATED AREAS

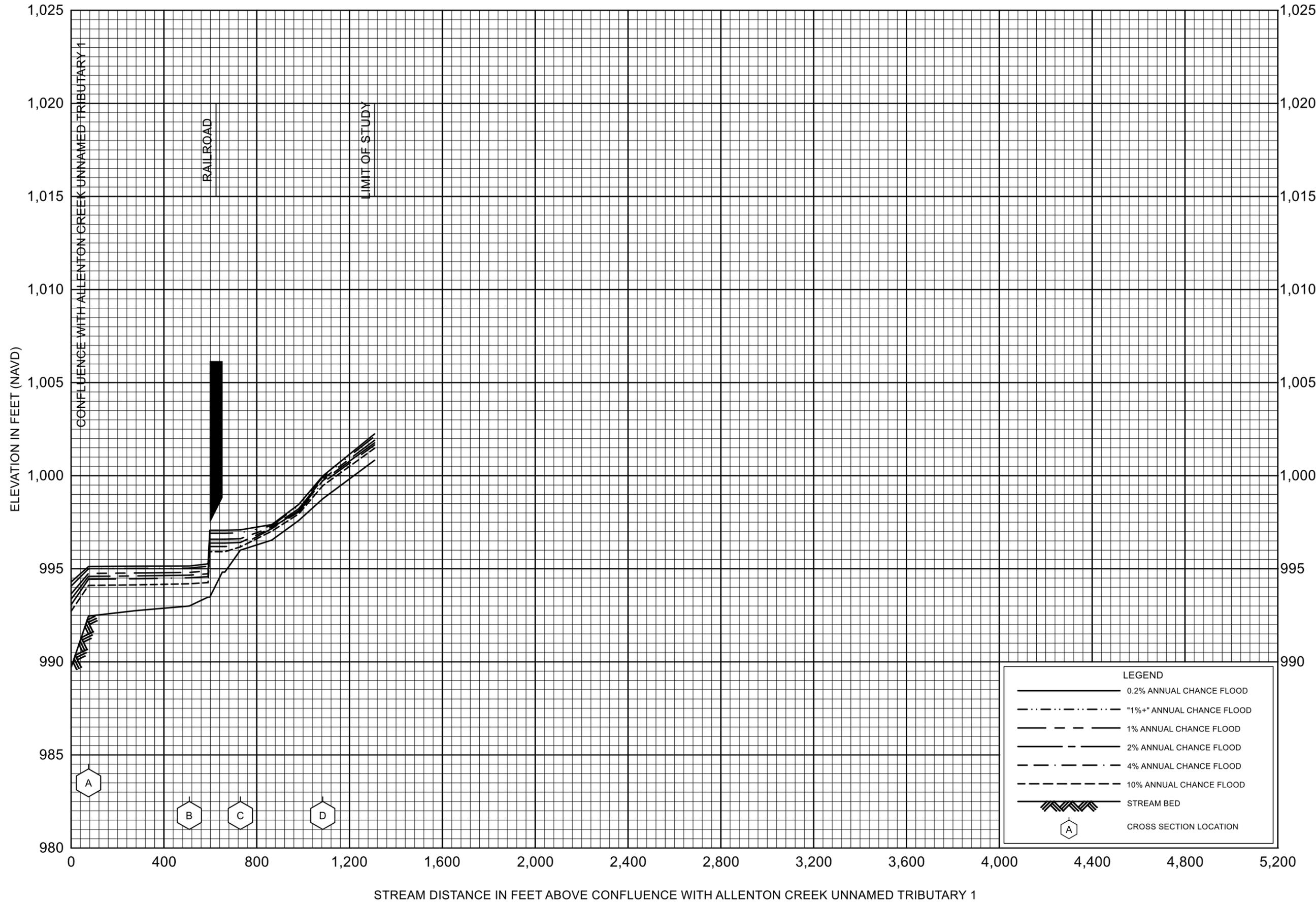


FLOOD PROFILES

ALLENTON CREEK UNNAMED TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

WASHINGTON COUNTY, WI
AND INCORPORATED AREAS

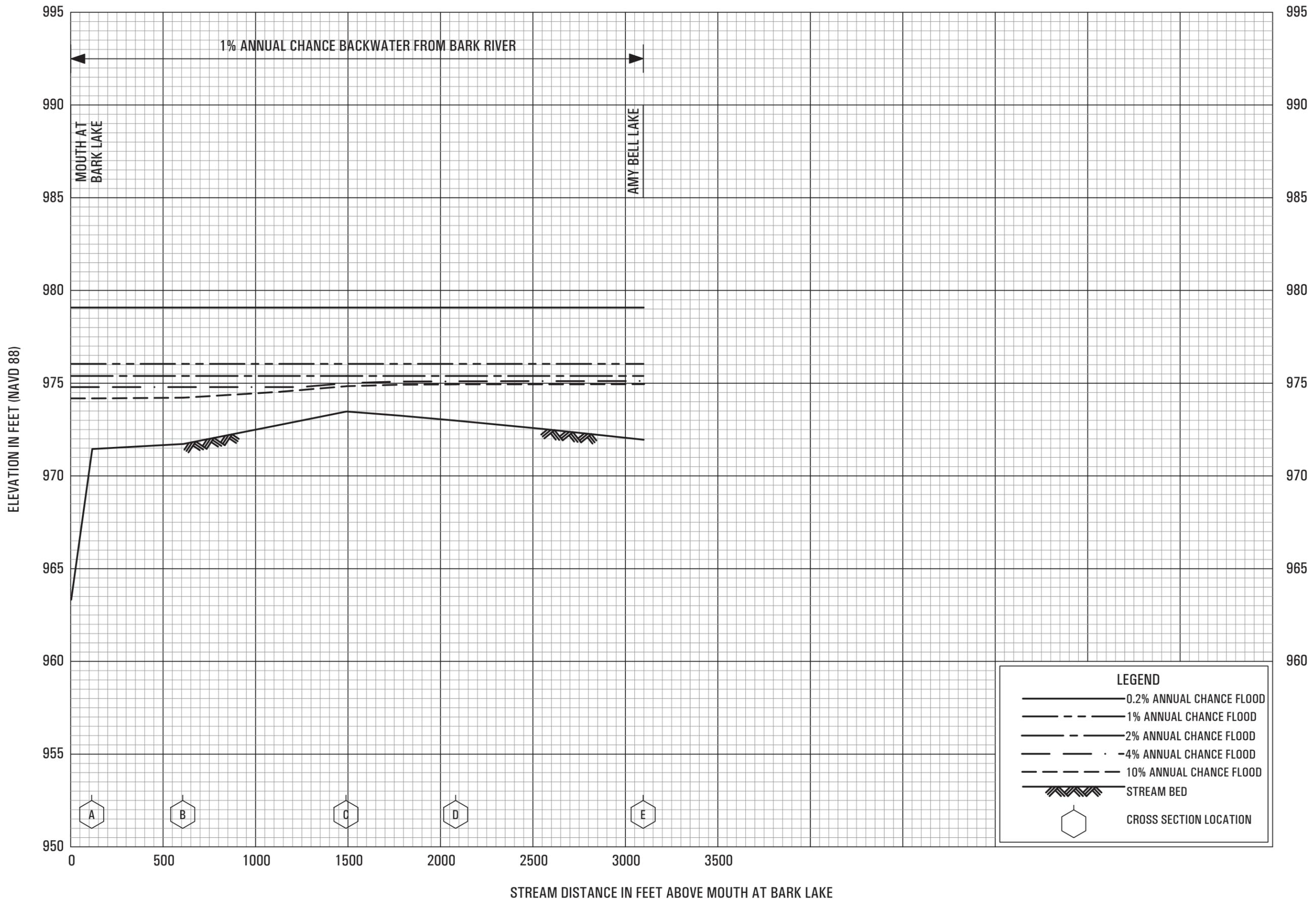


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ALLENTON CREEK UNNAMED TRIBUTARY 1.1

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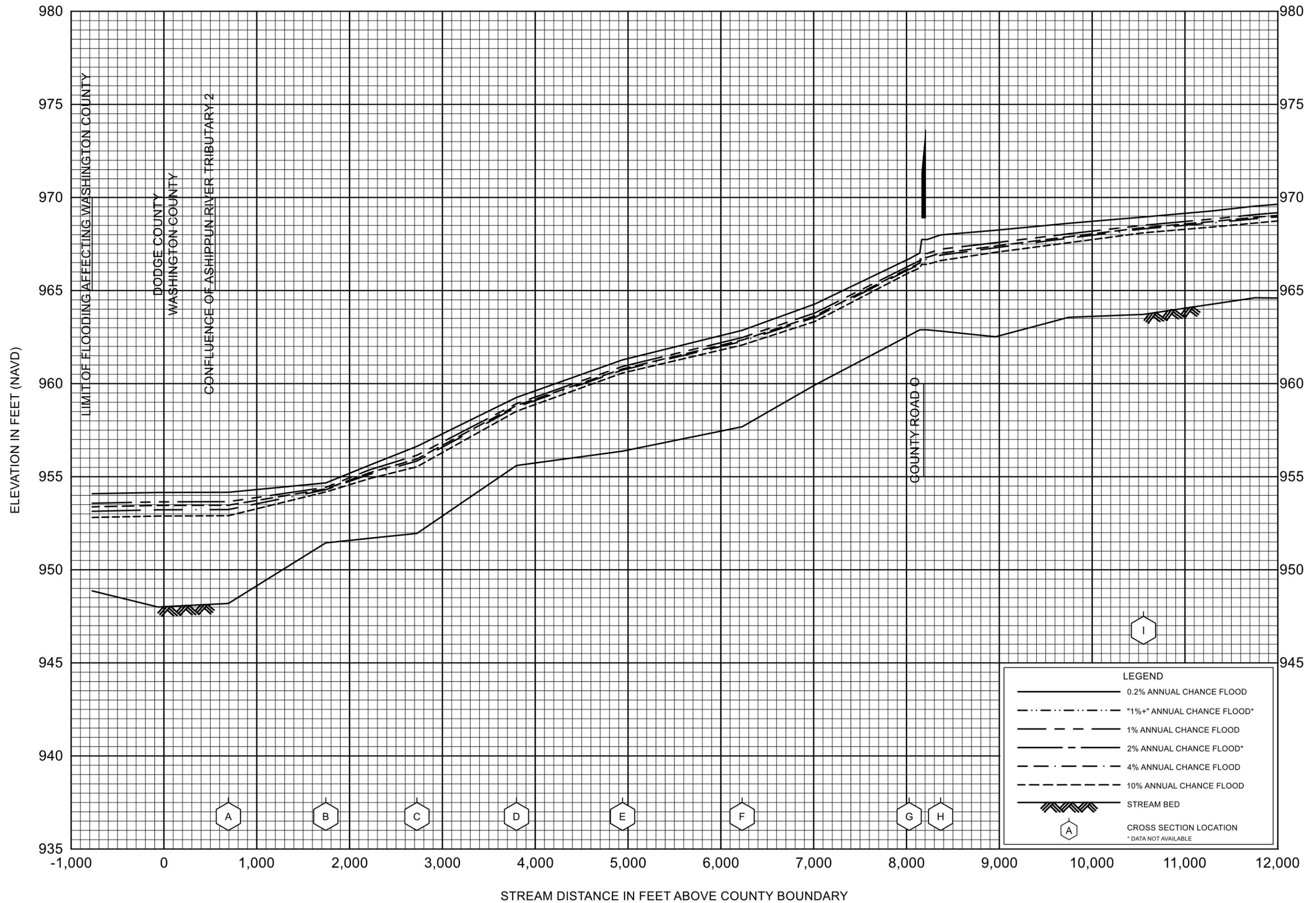
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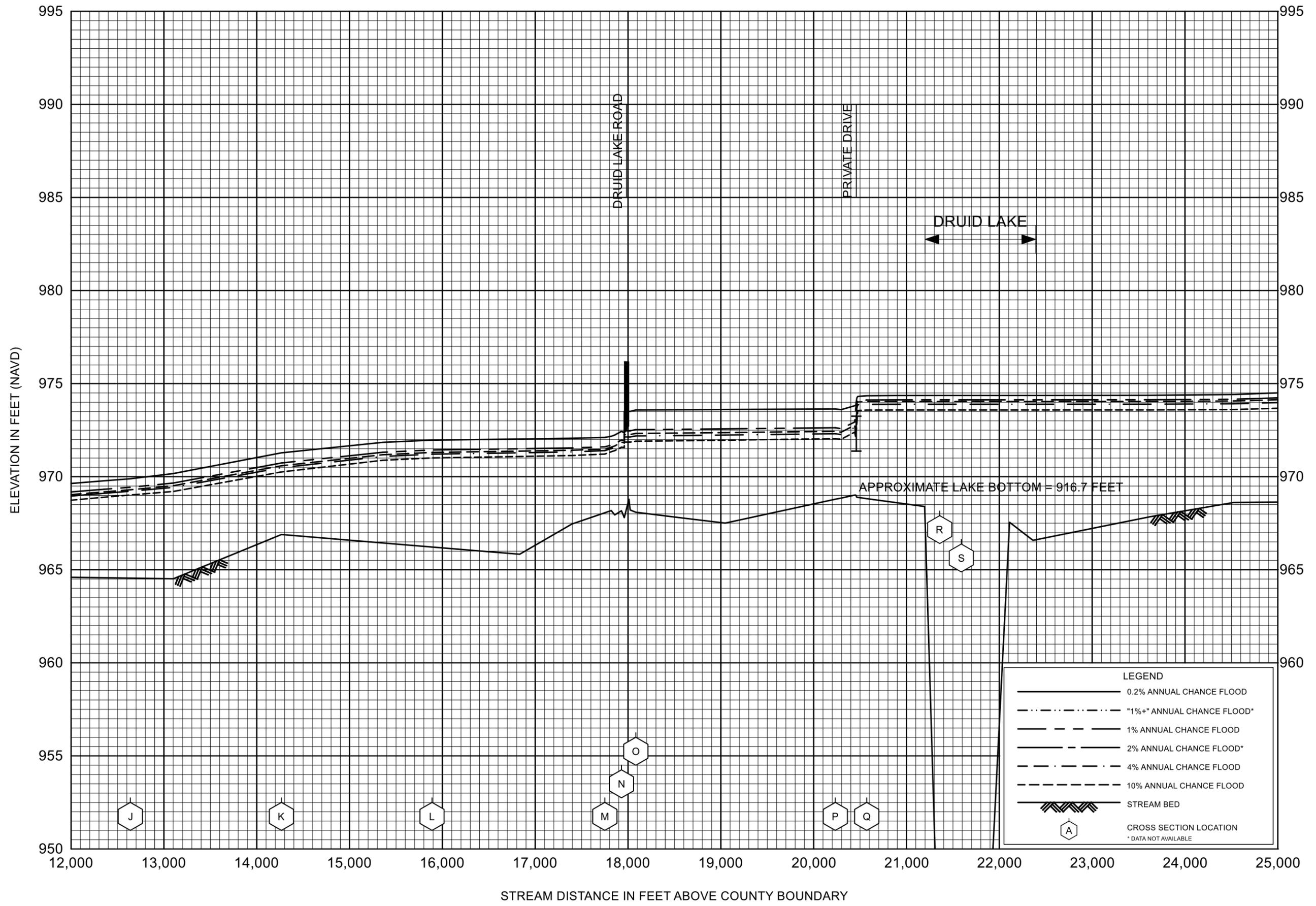


FLOOD PROFILES

AMY BELL CREEK

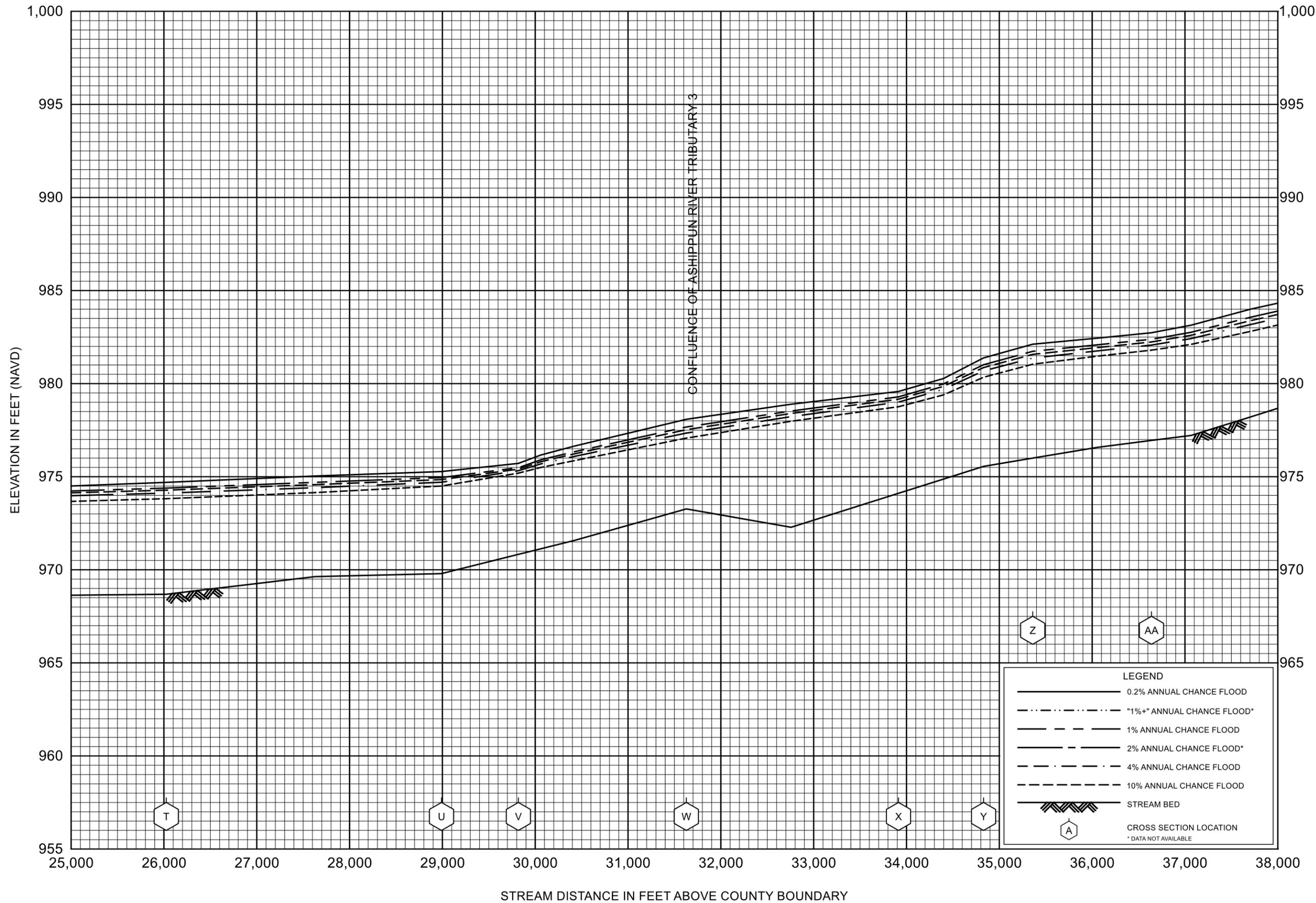
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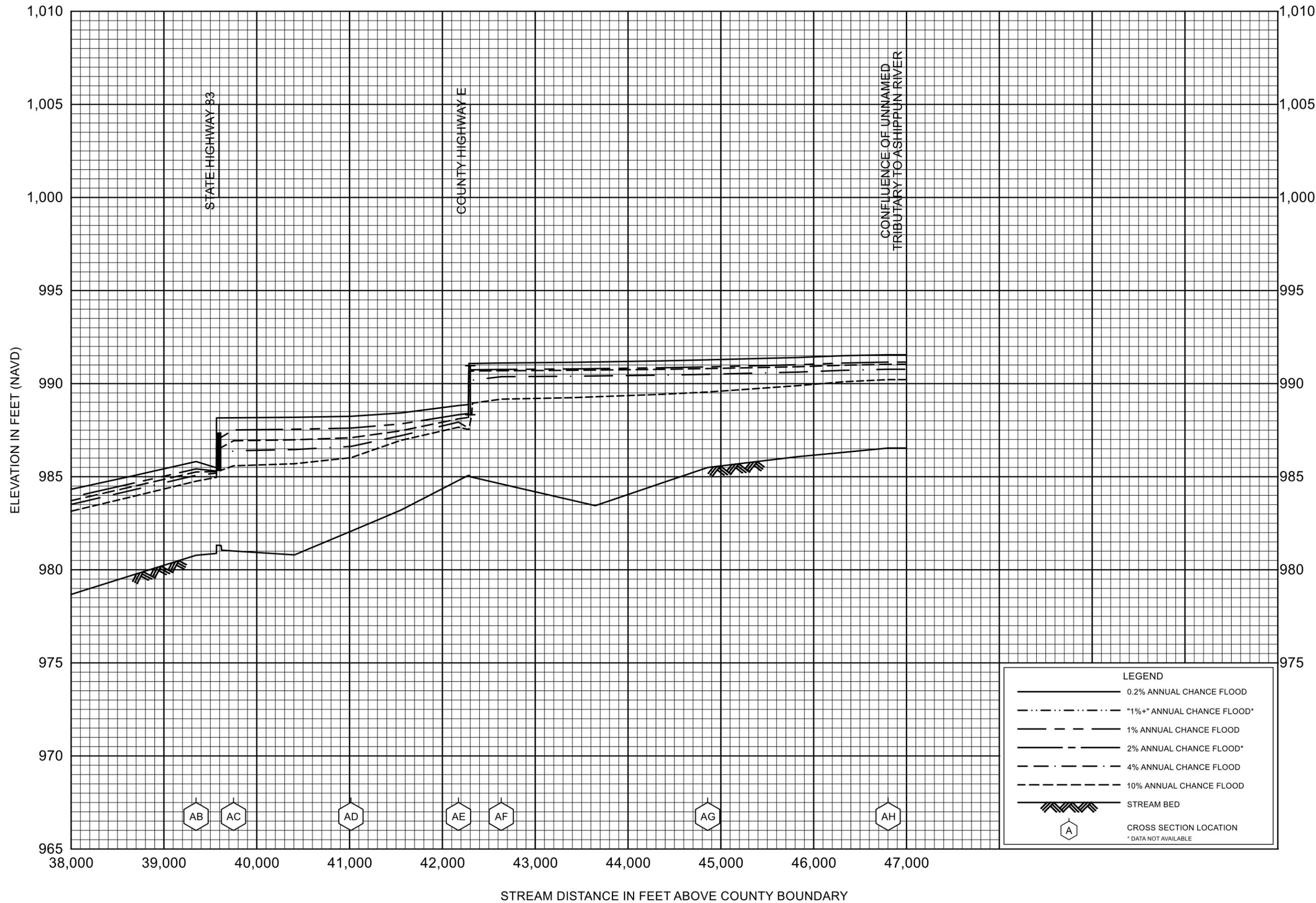
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ASHIPPUN RIVER

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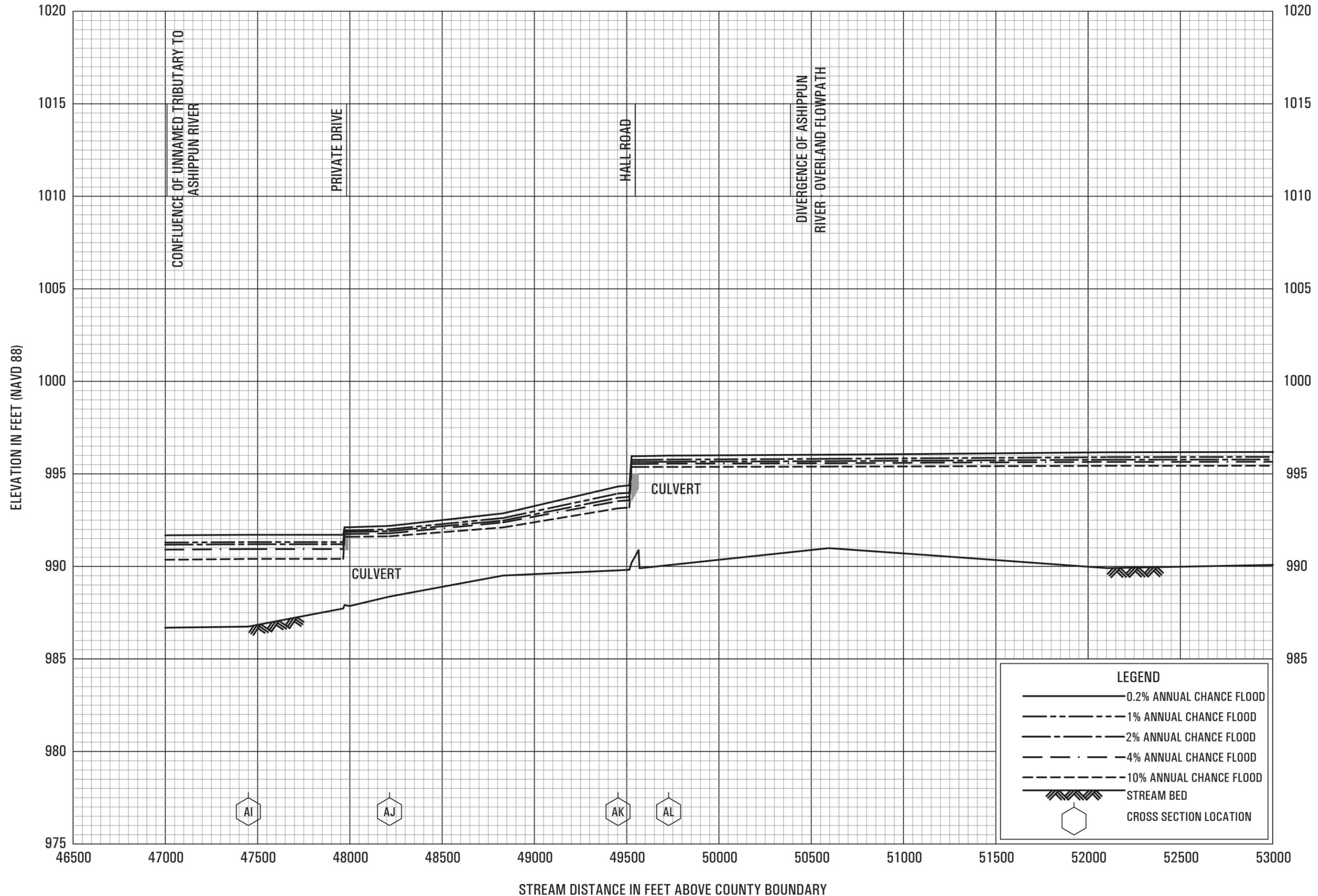
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WASHINGTON COUNTY, WI
AND INCORPORATED AREAS



FLOOD PROFILES
ASHIPPUN RIVER

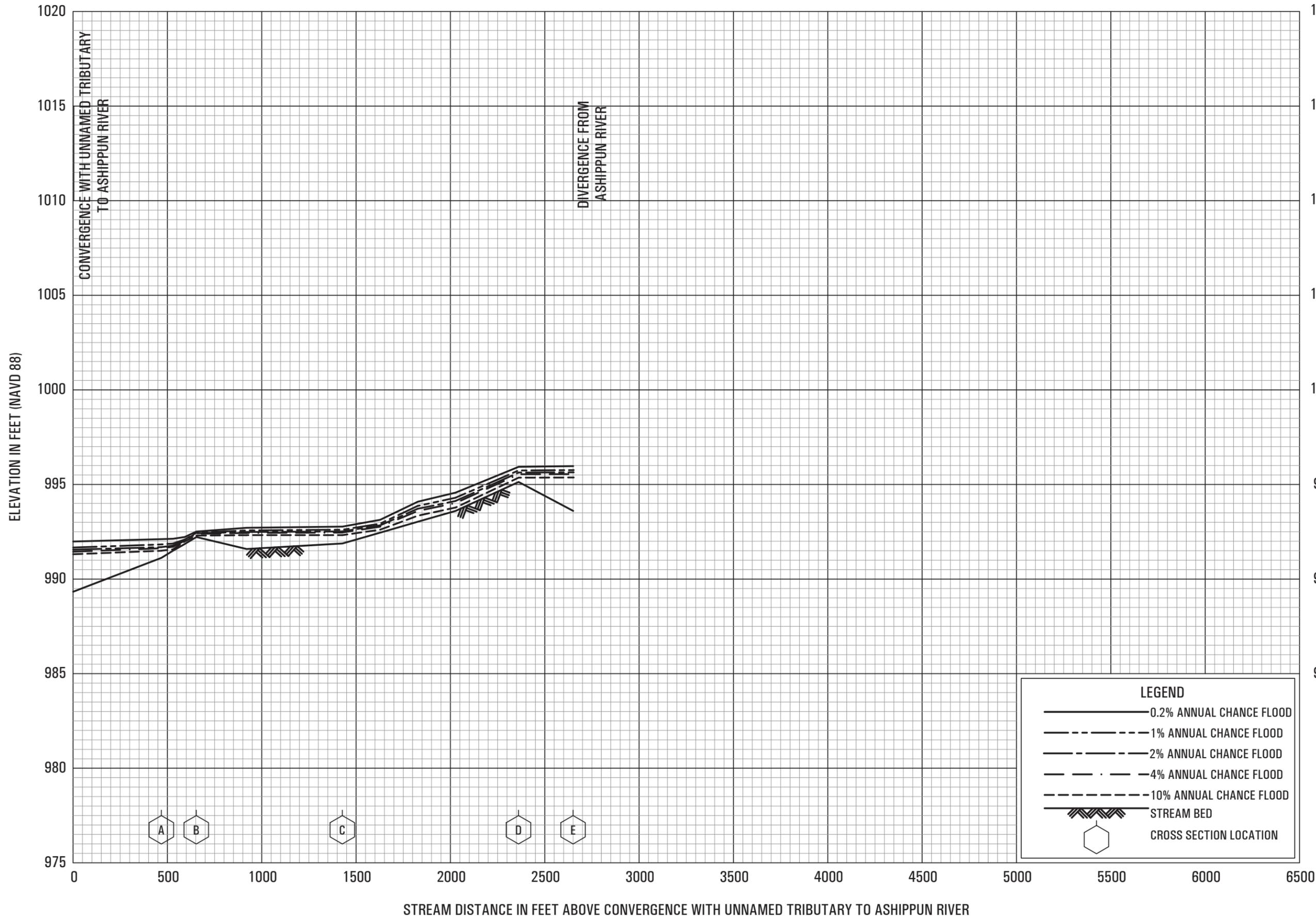
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WASHINGTON COUNTY, WI
AND INCORPORATED AREAS



FLOOD PROFILES

ASHIPPUN RIVER

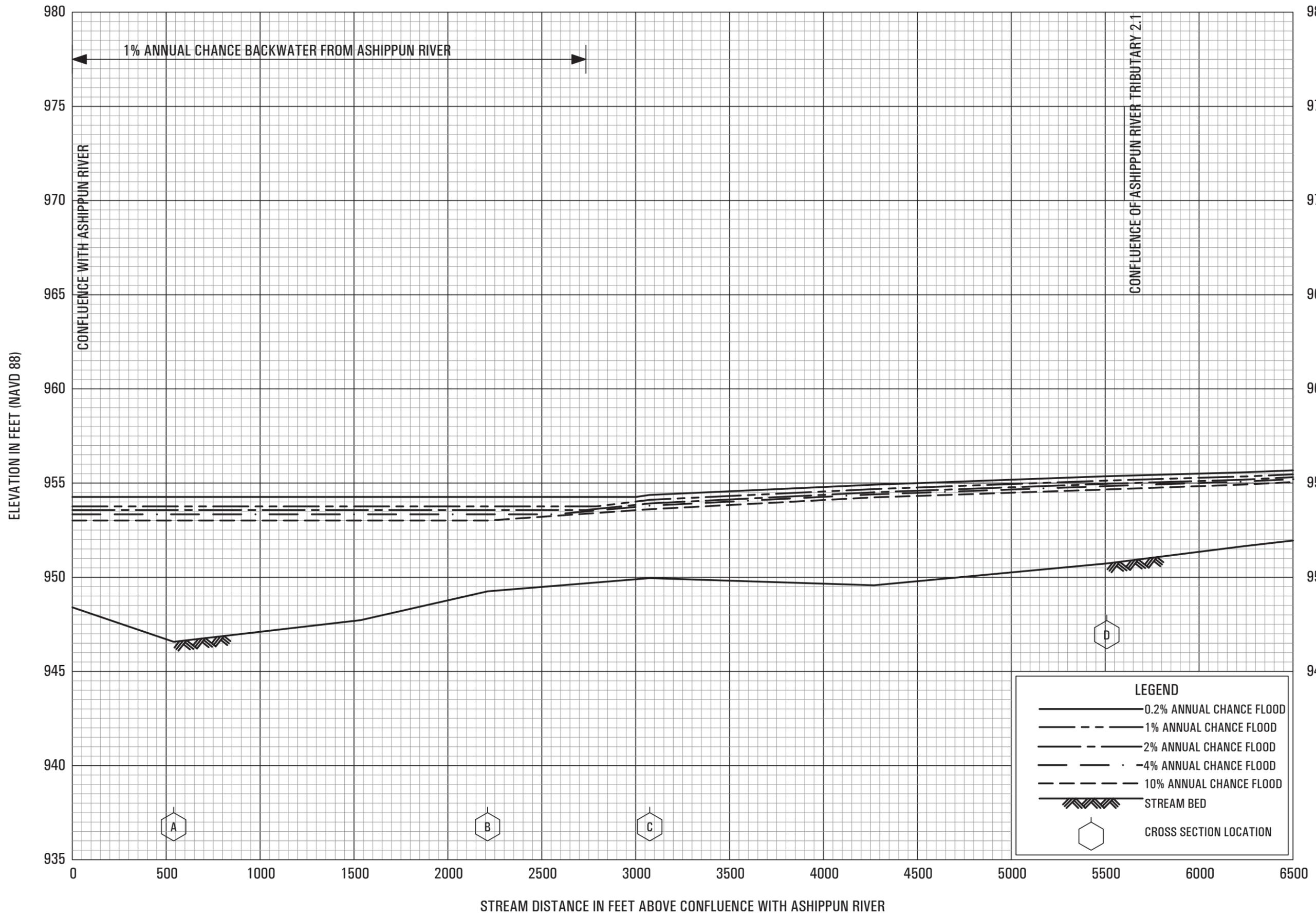
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FLOOD PROFILES

ASHIPPUN RIVER - OVERLAND FLOWPATH

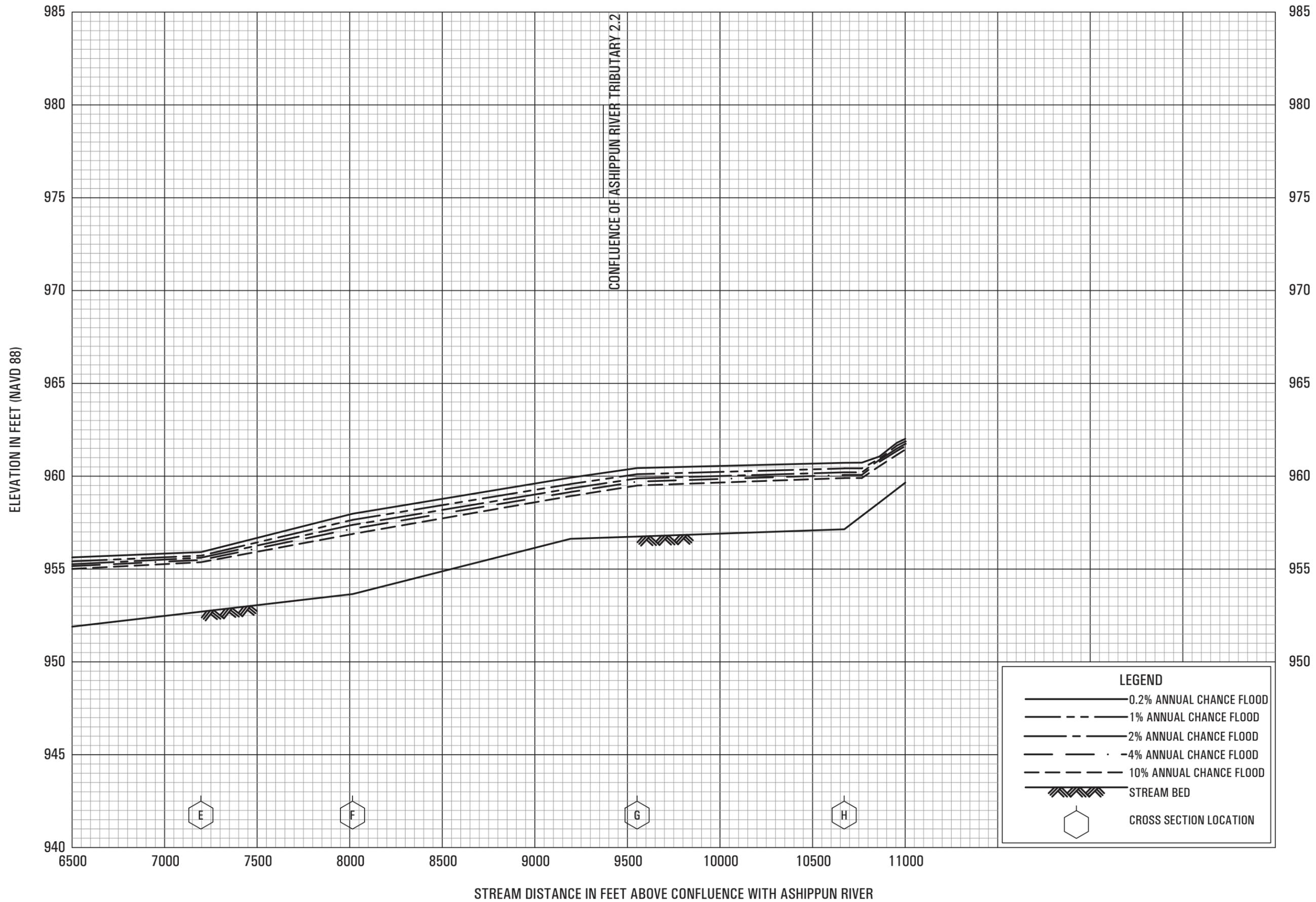
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 AND INCORPORATED AREAS

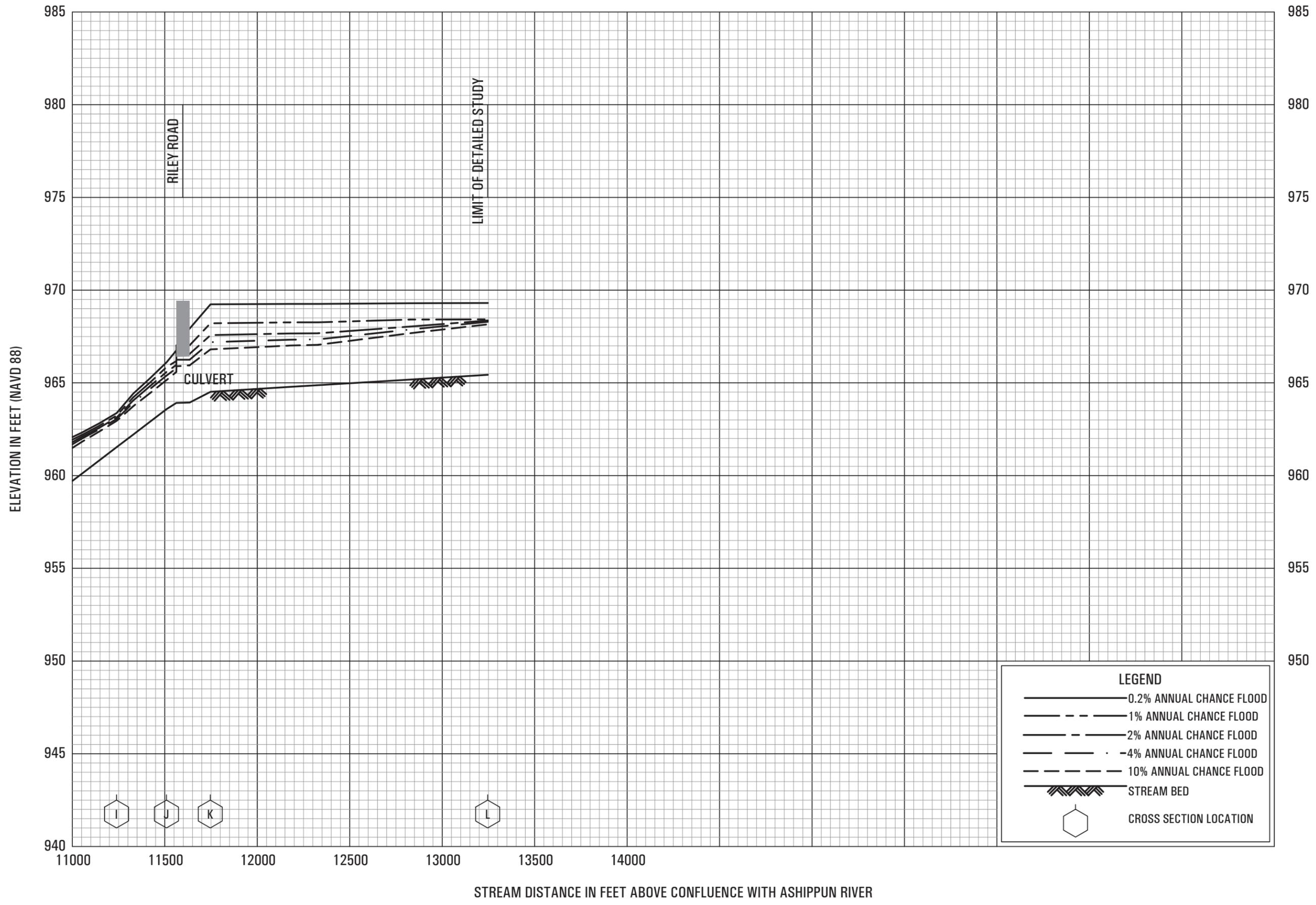


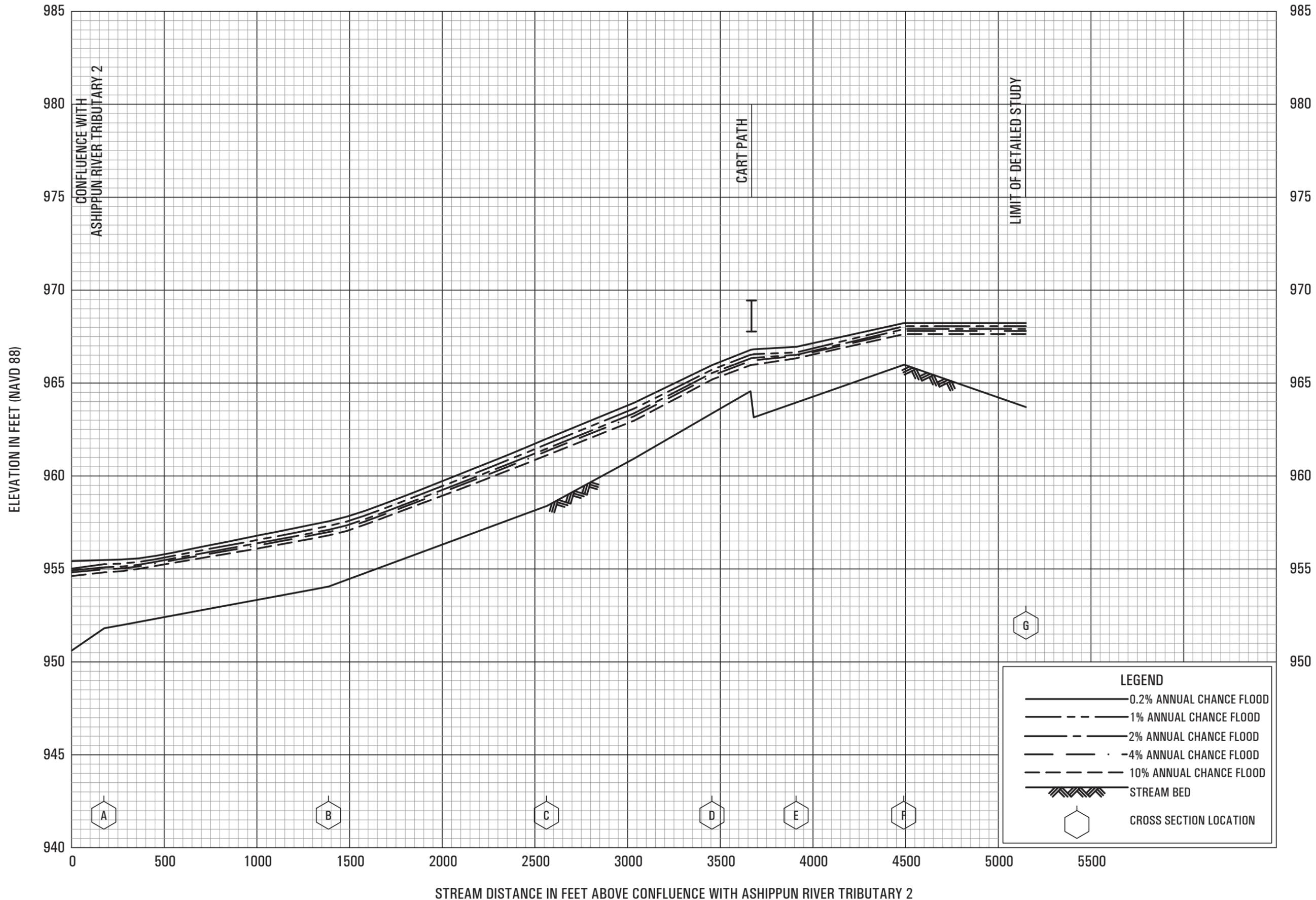
FLOOD PROFILES

ASHIPPUN RIVER TRIBUTARY 2

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WASHINGTON COUNTY, WI
 AND INCORPORATED AREAS



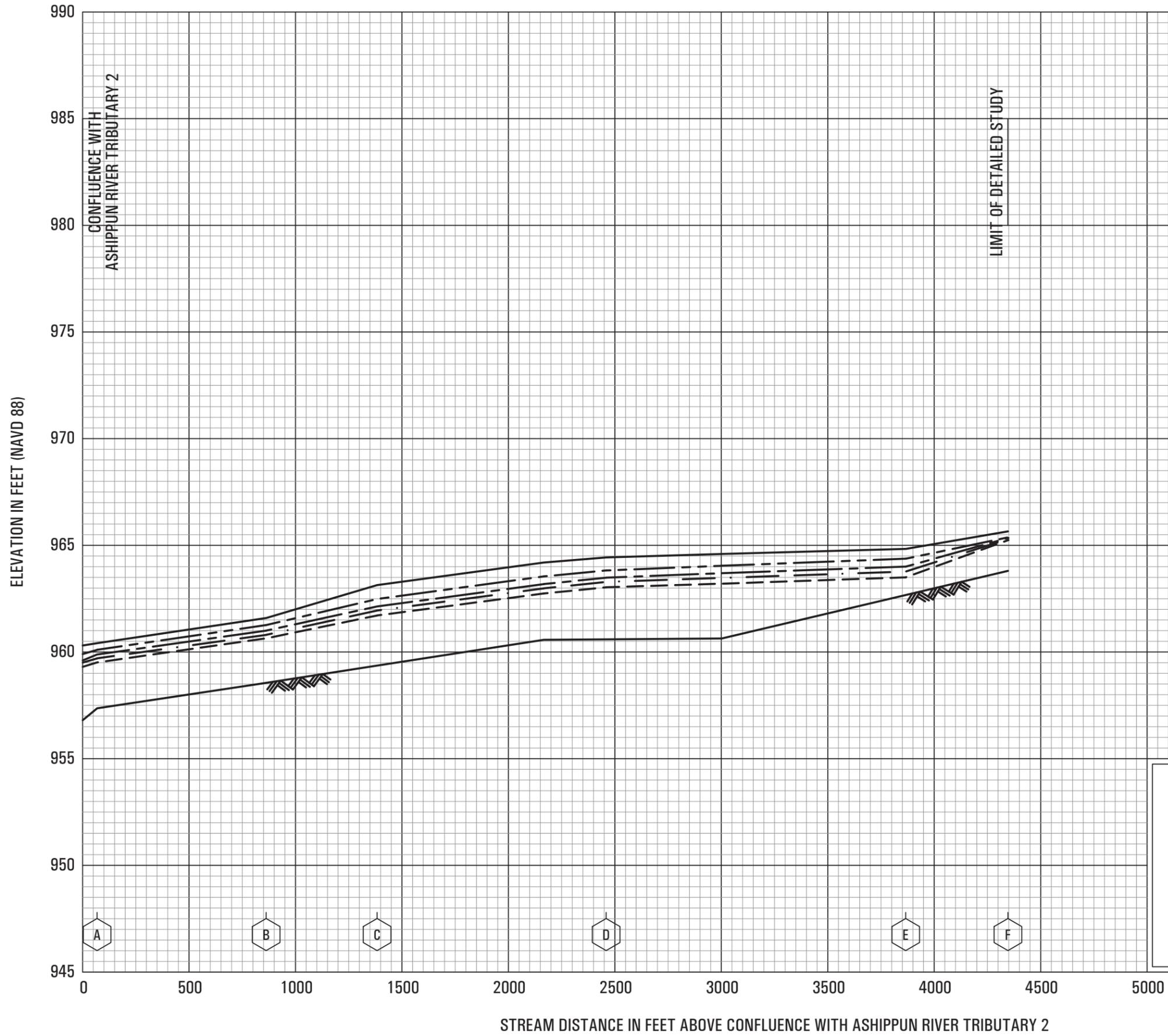




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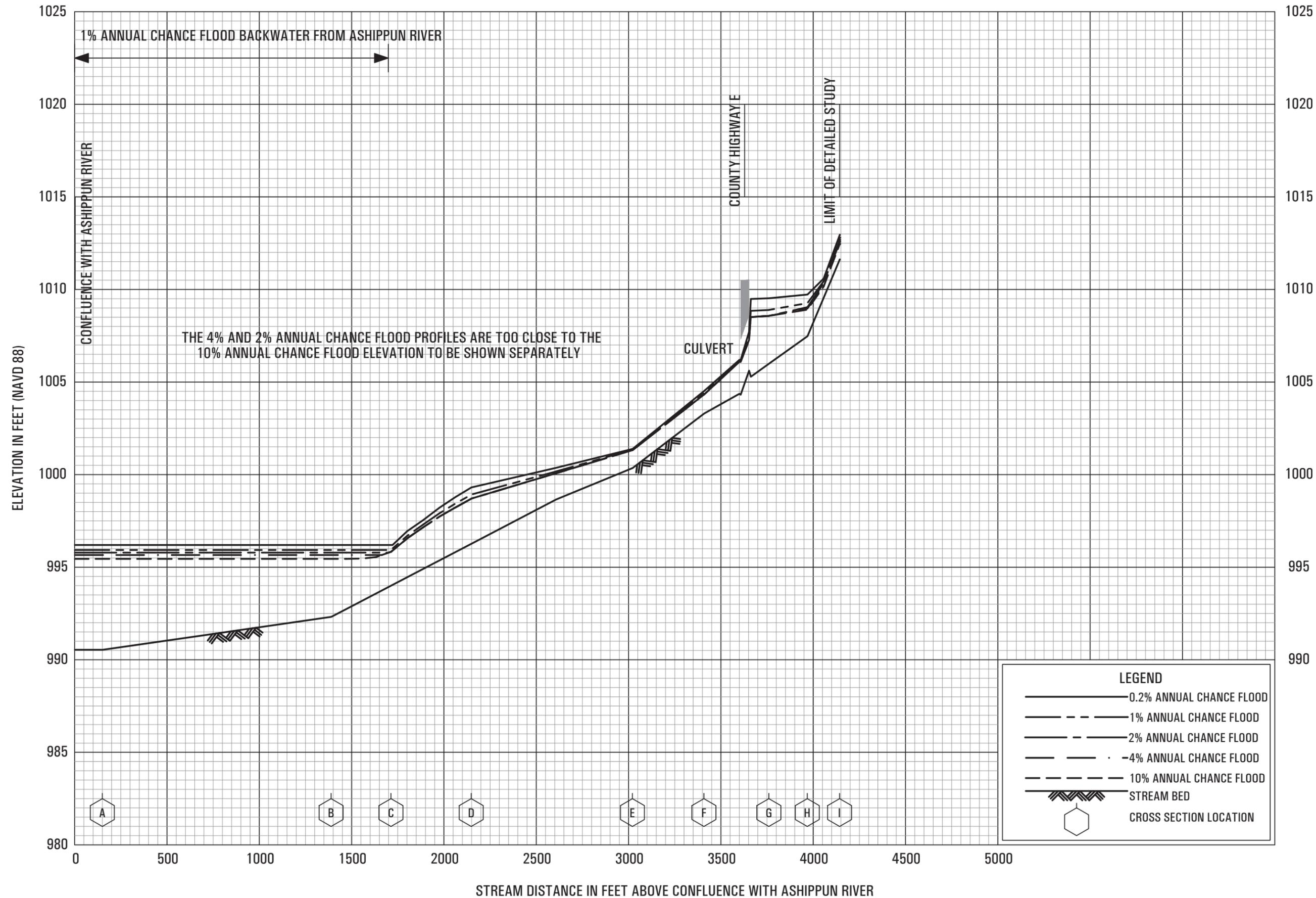
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 WASHINGTON COUNTY, WI
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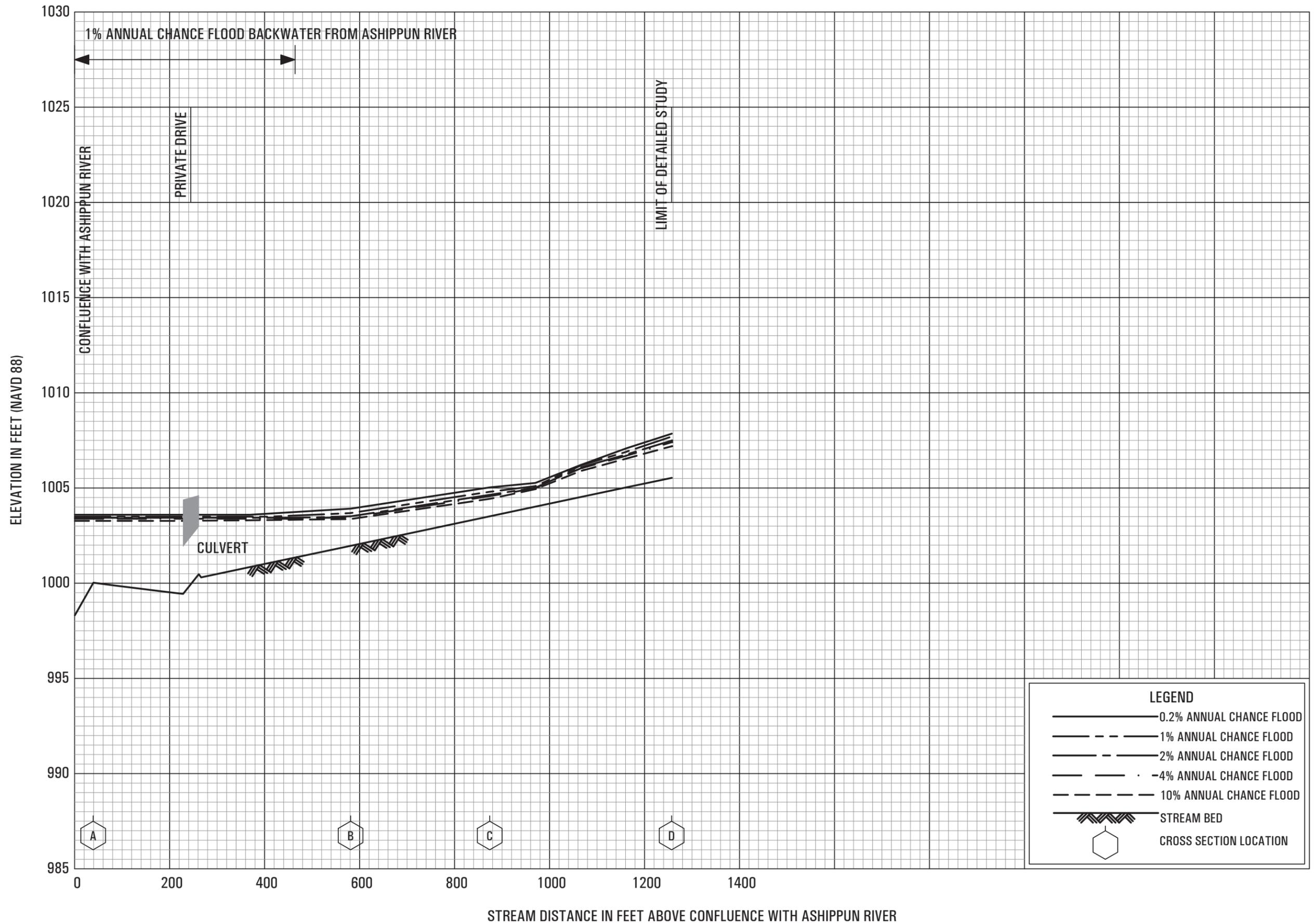
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WASHINGTON COUNTY, WI
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ASHIPPUN RIVER TRIBUTARY 4

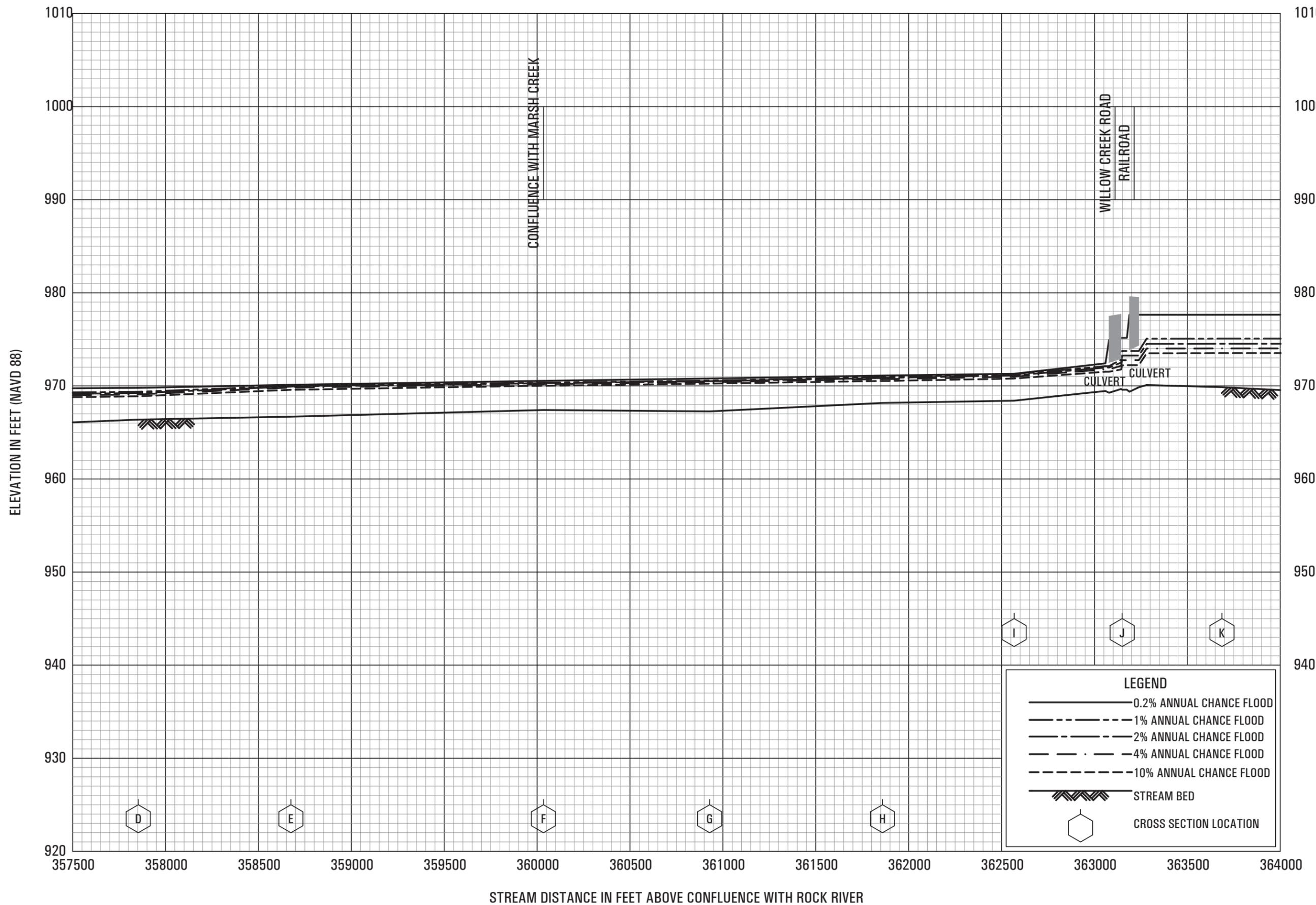
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ASHIPPUN RIVER TRIBUTARY 5

**FEDERAL EMERGENCY MANAGEMENT AGENCY
WASHINGTON COUNTY, WI
AND INCORPORATED AREAS**



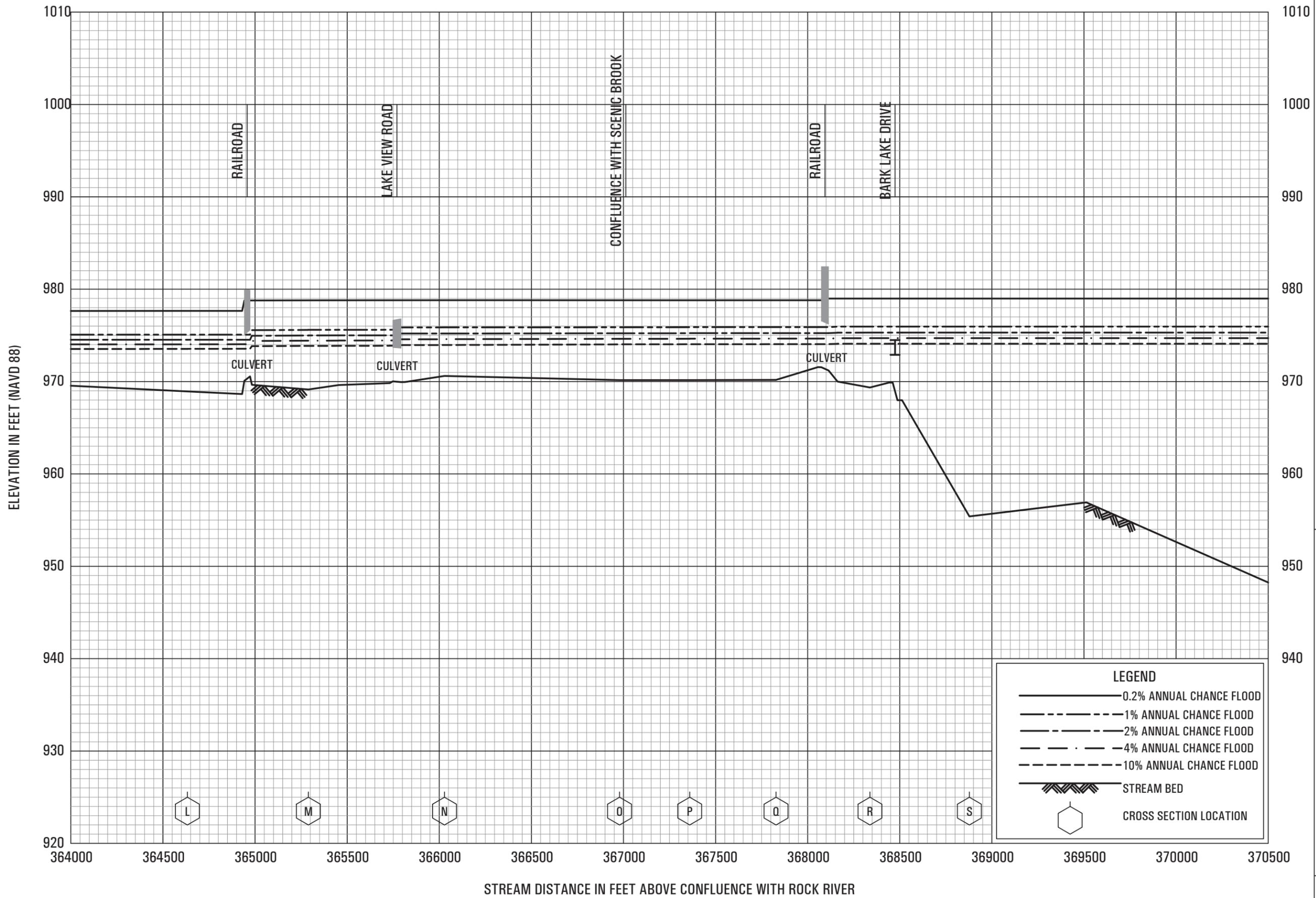
FLOOD PROFILES

BARK RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

WASHINGTON COUNTY, WI
AND INCORPORATED AREAS

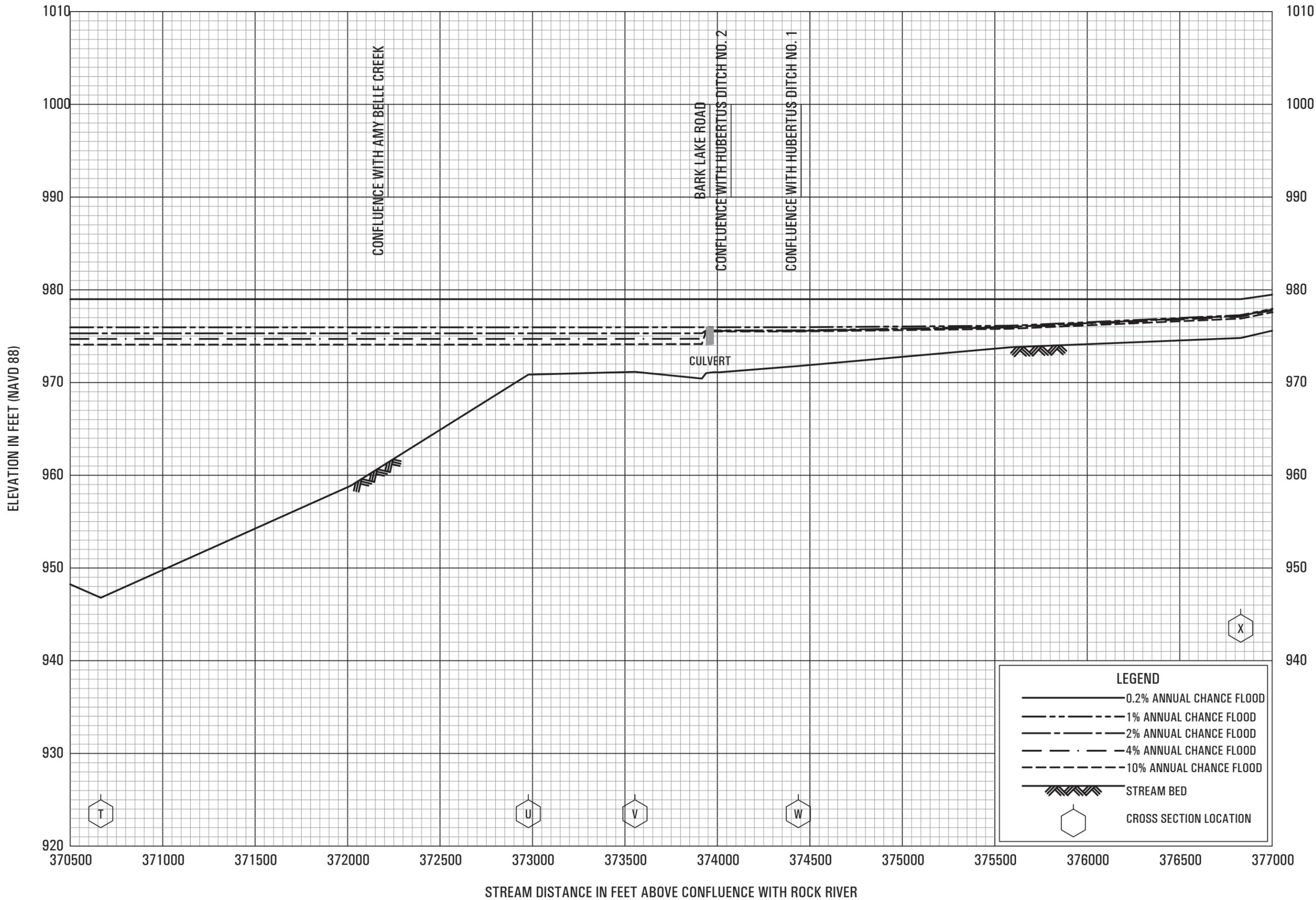
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BARK RIVER

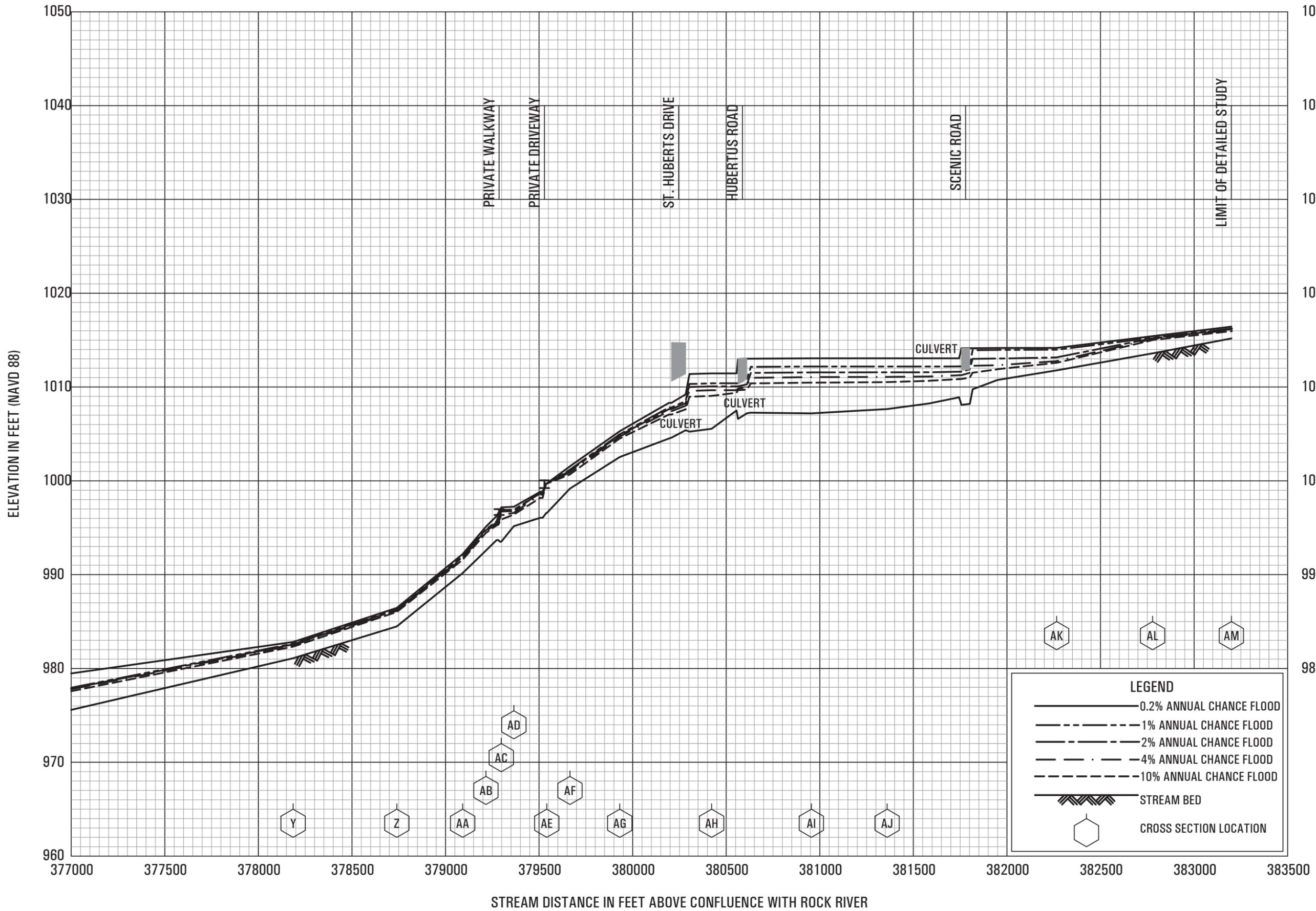
FEDERAL EMERGENCY MANAGEMENT AGENCY
WASHINGTON COUNTY, WI
 AND INCORPORATED AREAS



FLOOD PROFILES

BARK RIVER

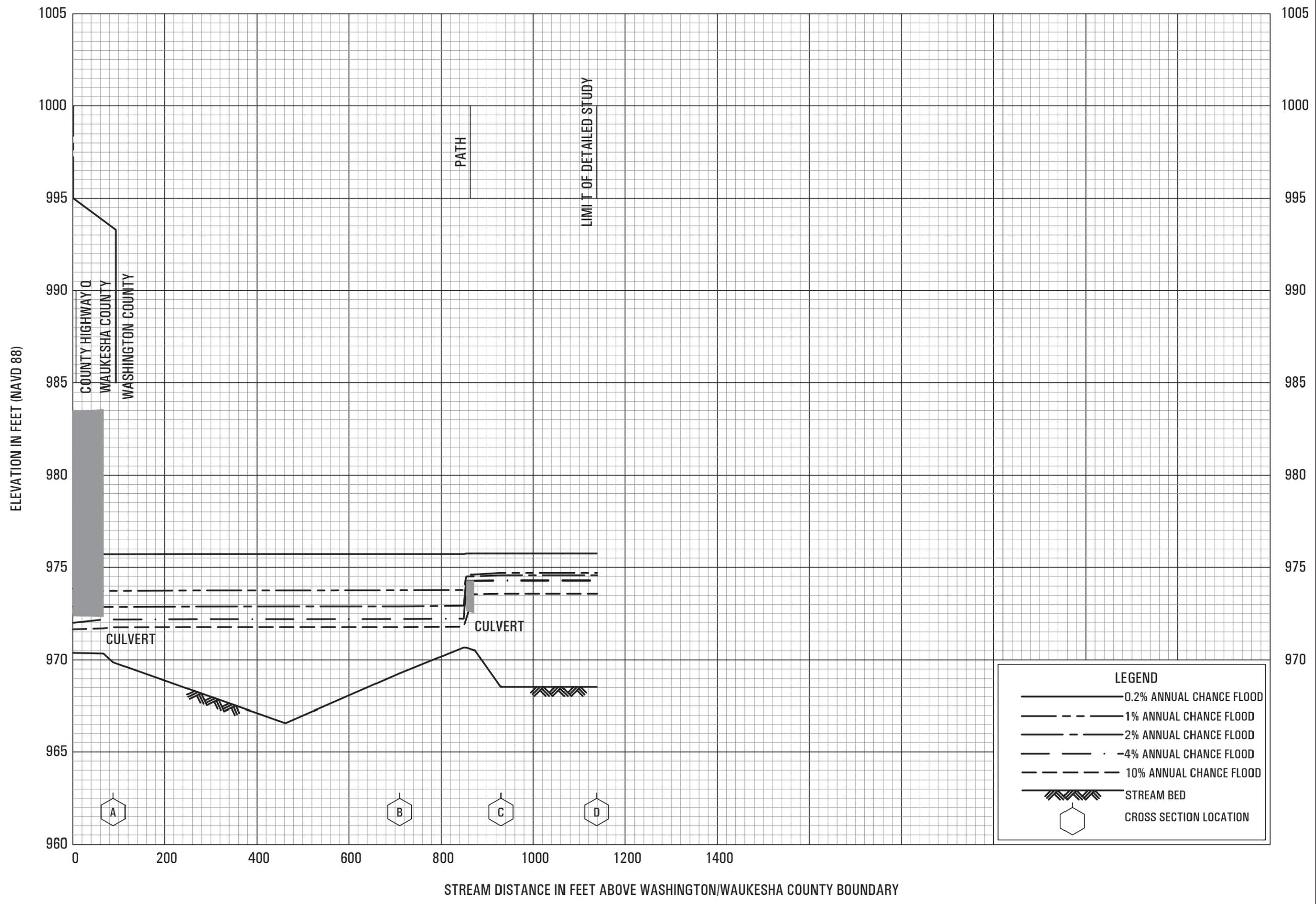
**FEDERAL EMERGENCY MANAGEMENT AGENCY
WASHINGTON COUNTY, WI
AND INCORPORATED AREAS**



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BARK RIVER

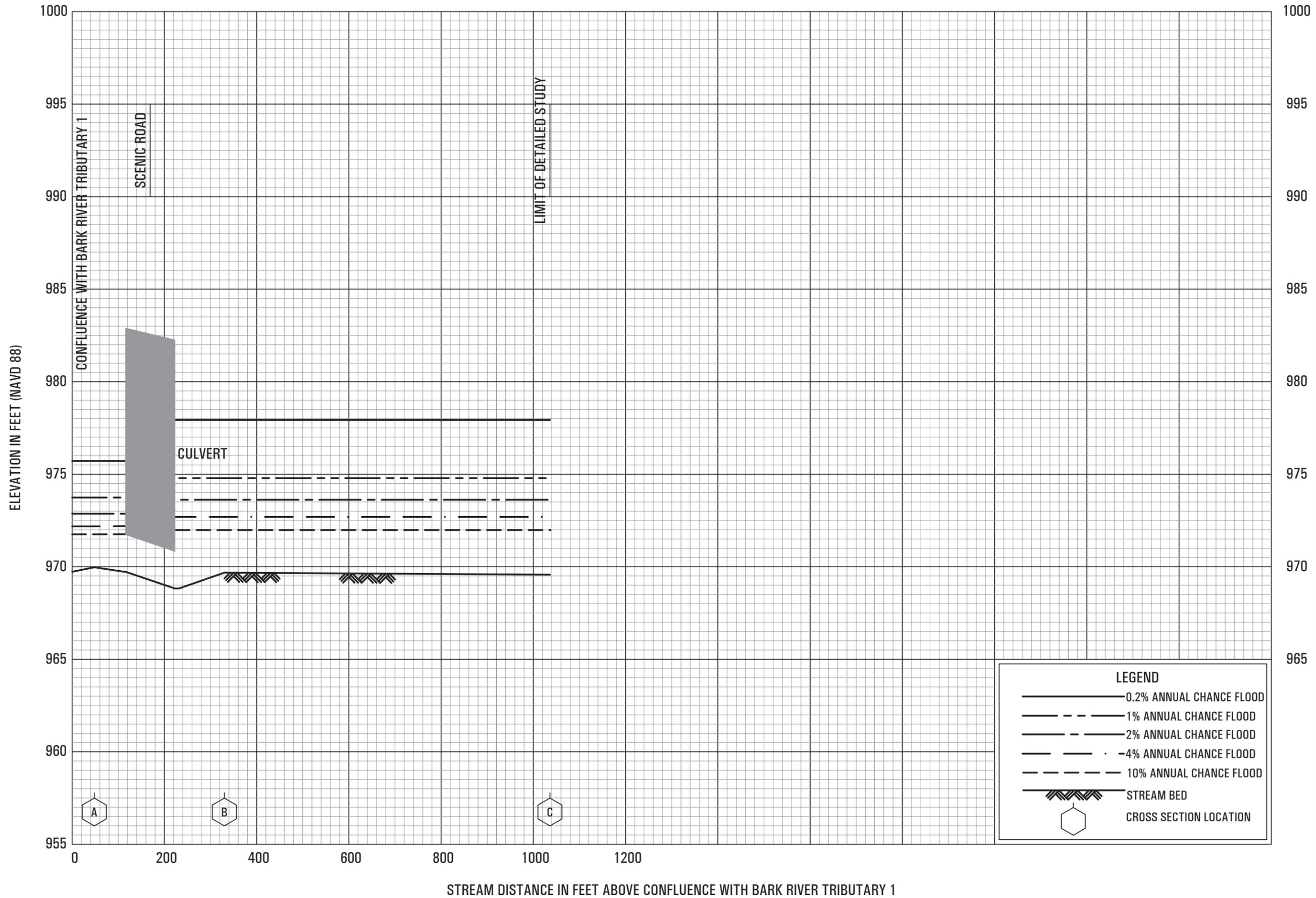
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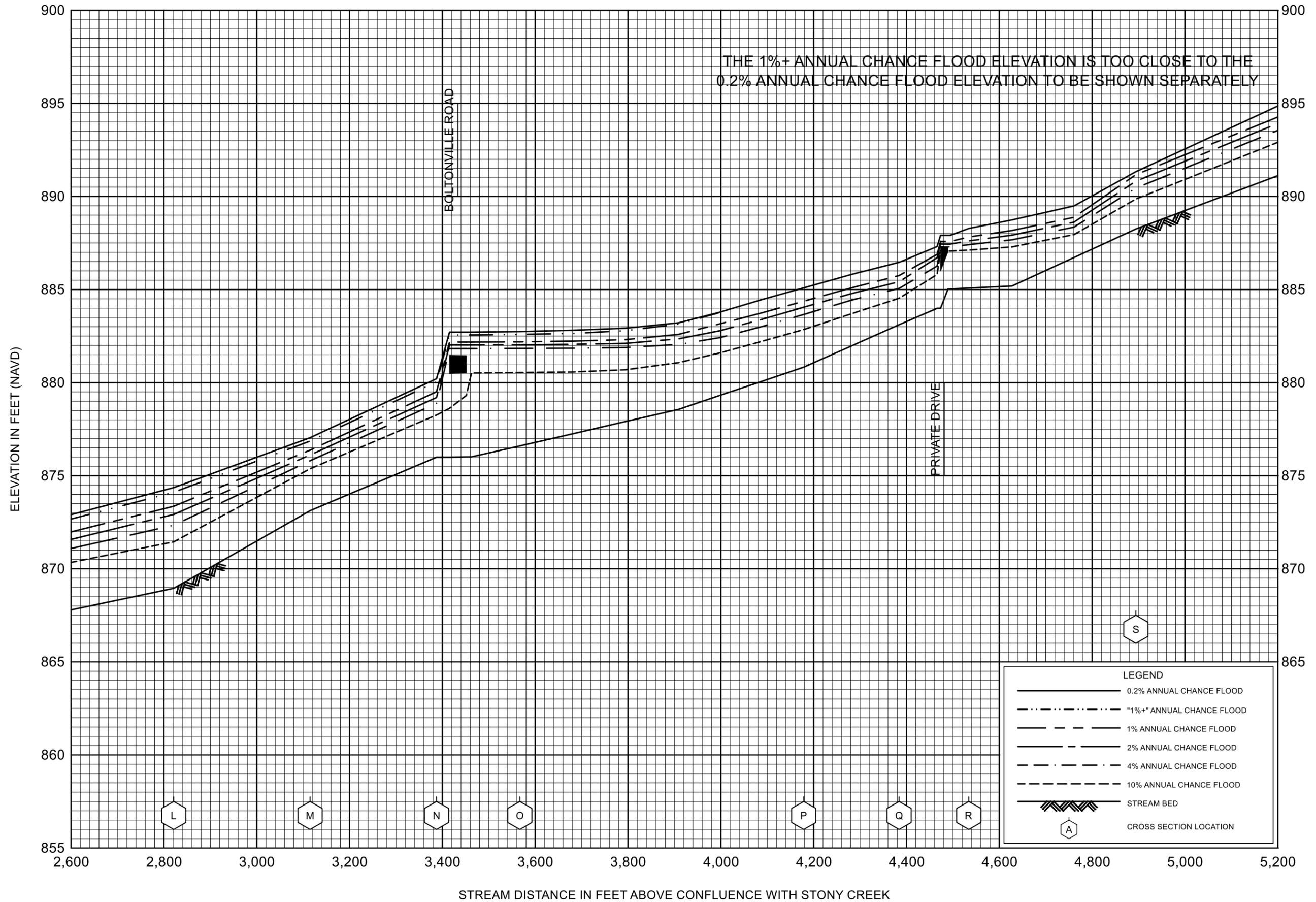
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 WASHINGTON COUNTY, WI
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BARK RIVER TRIBUTARY 1.1

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WASHINGTON COUNTY, WI
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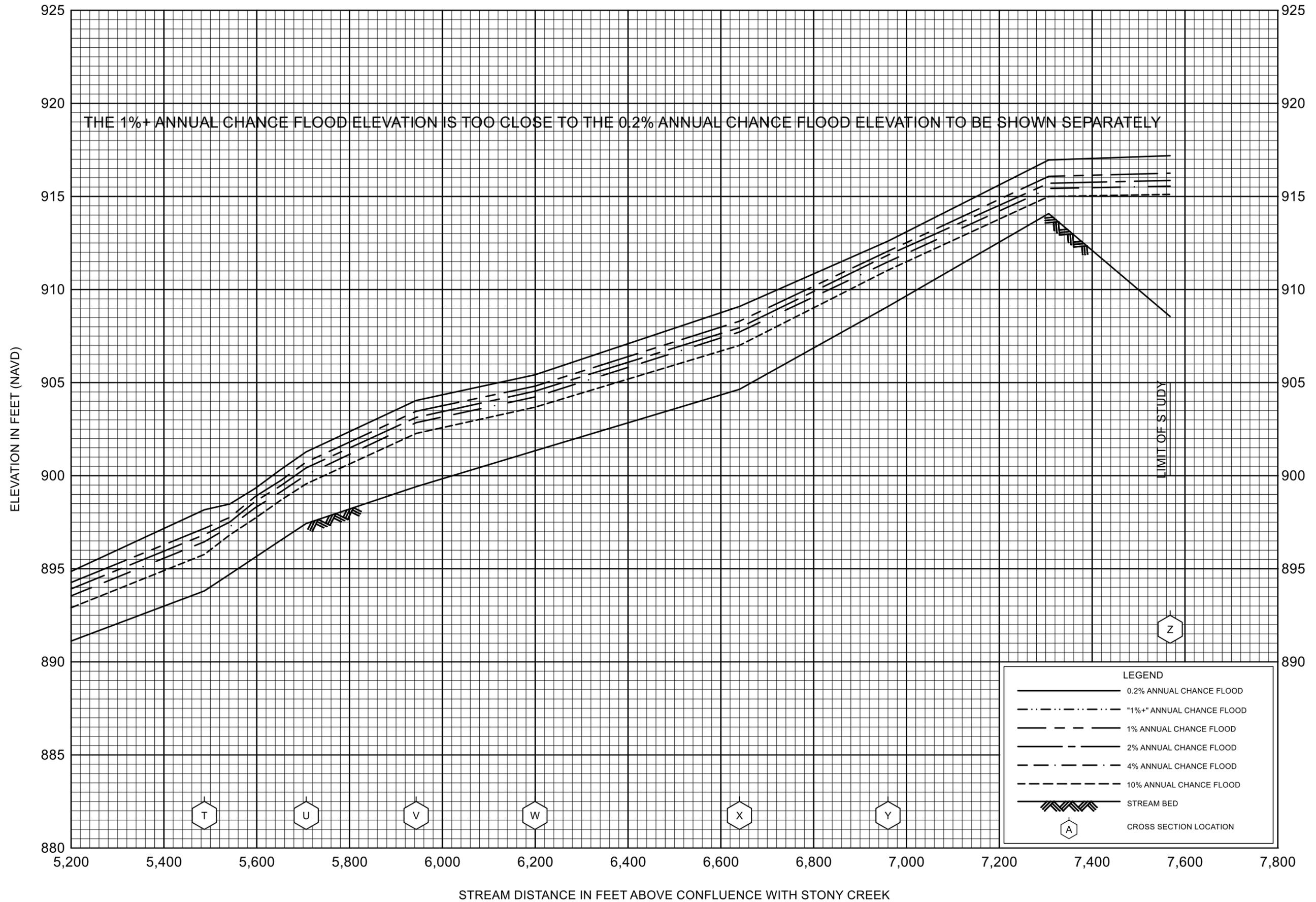


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BOLTON BROOK

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WASHINGTON COUNTY, WI
AND INCORPORATED AREAS

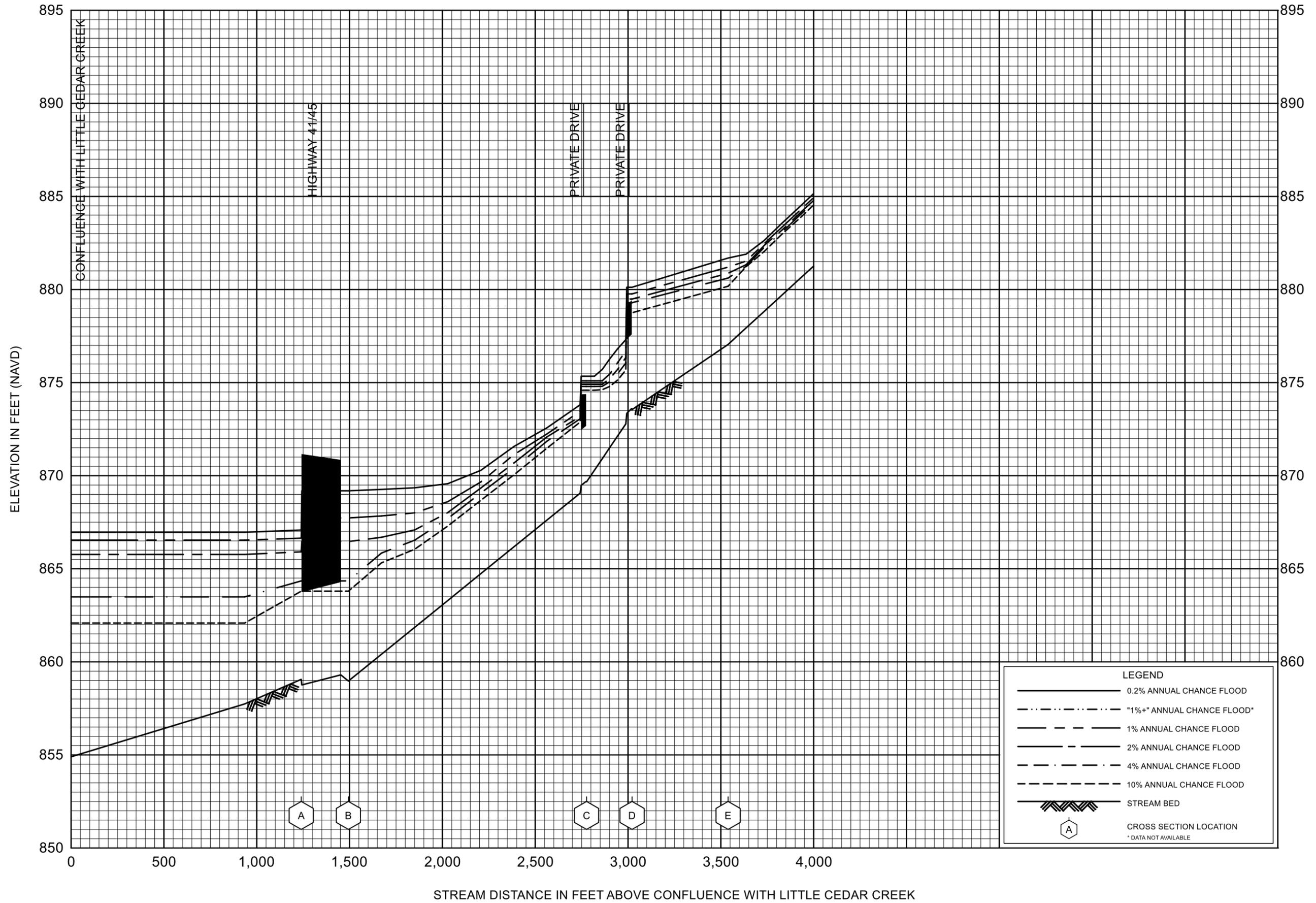


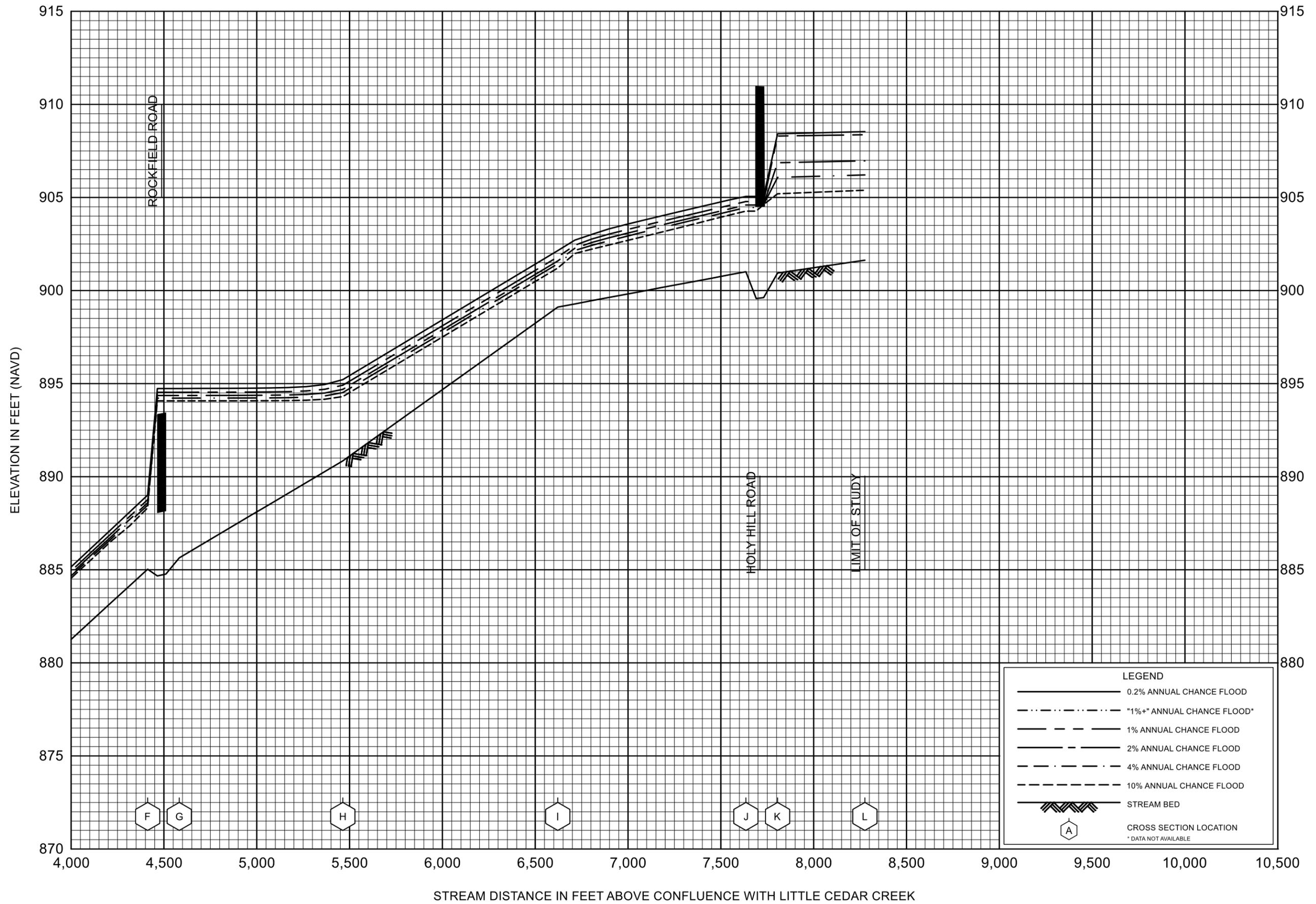
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BOLTON BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

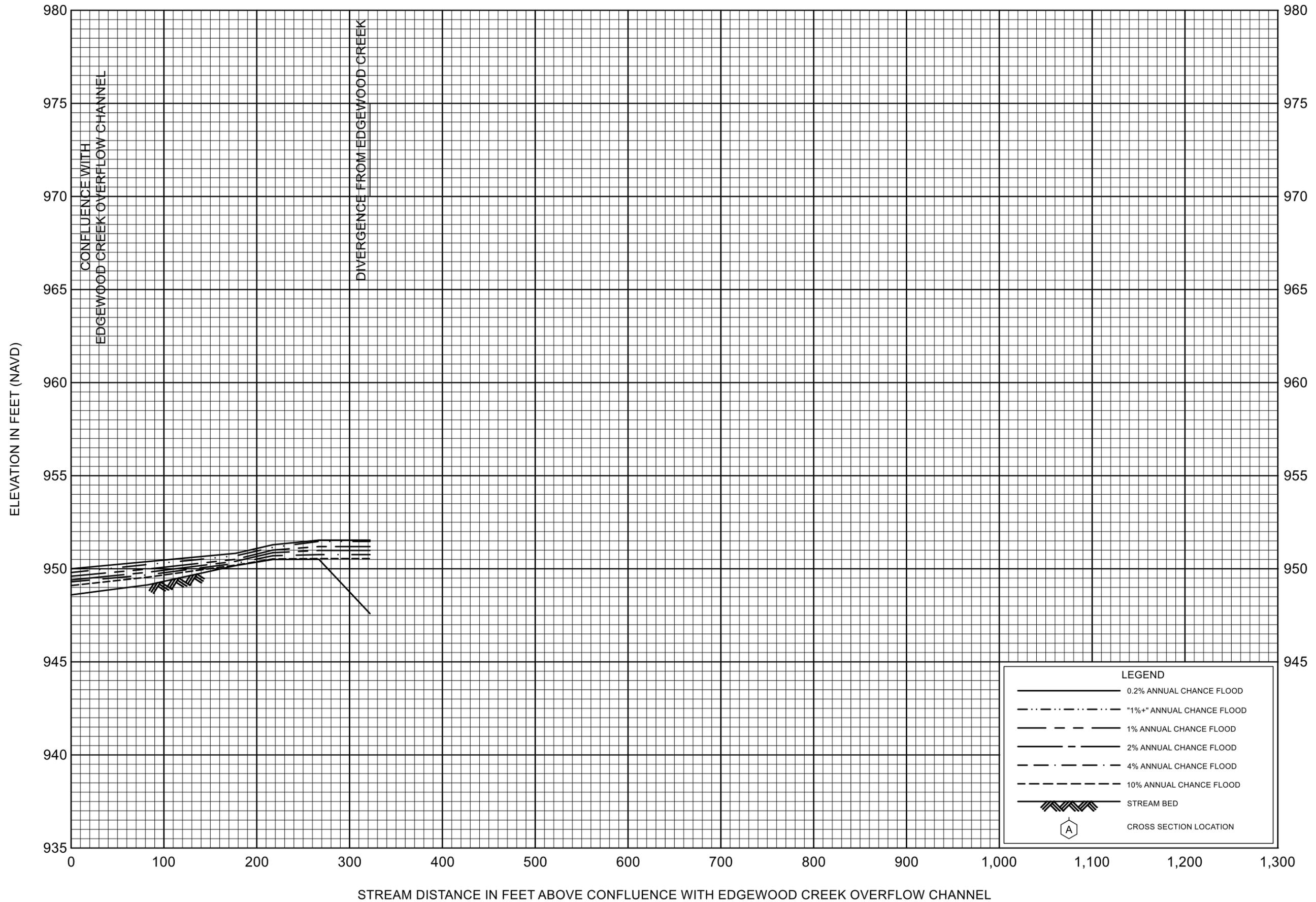
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FLOOD PROFILES
BONNIWELL CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
WASHINGTON COUNTY, WI
AND INCORPORATED AREAS



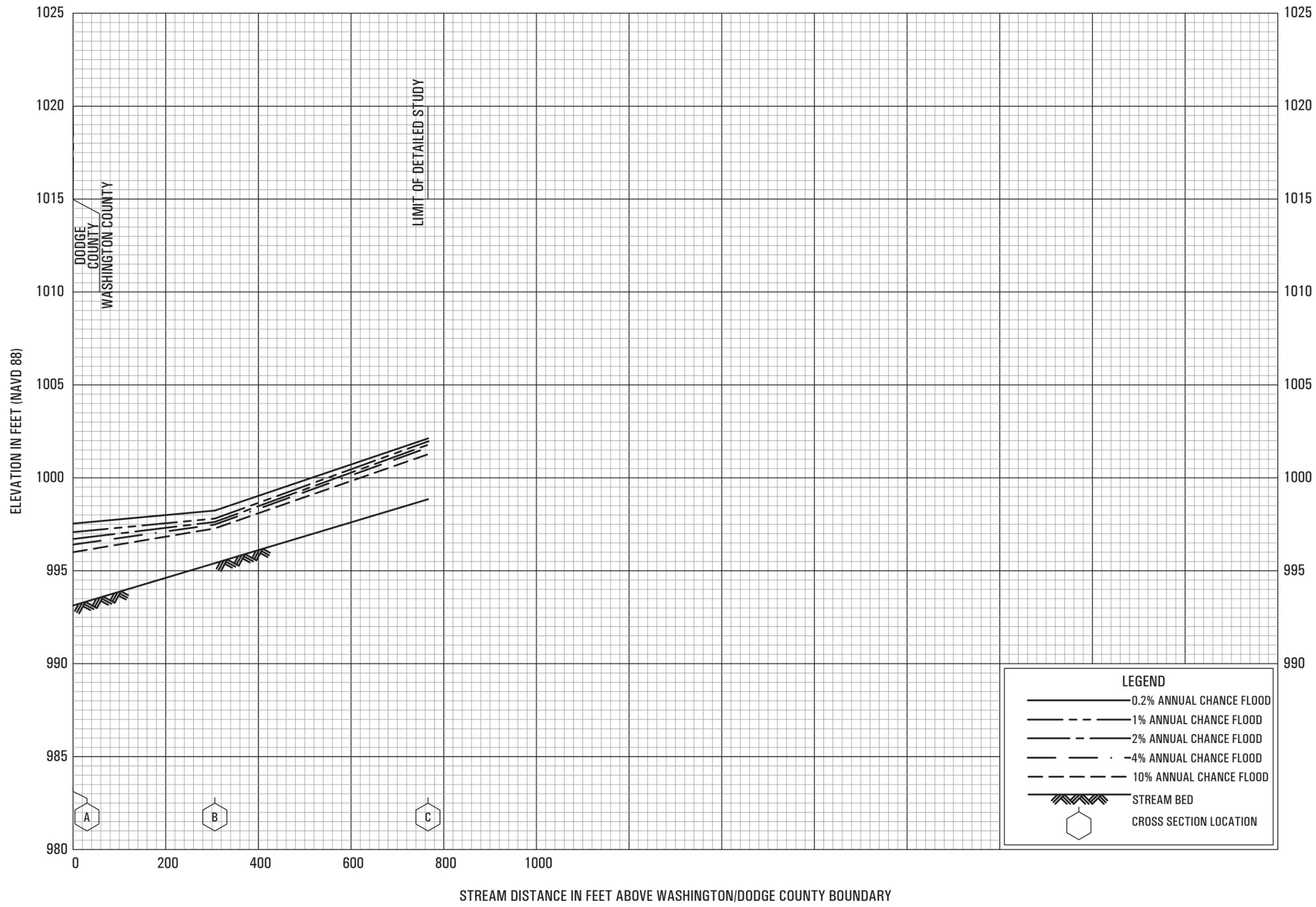
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BROOKLANE OVERFLOW

FEDERAL EMERGENCY MANAGEMENT AGENCY

WASHINGTON COUNTY, WI
AND INCORPORATED AREAS

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FLOOD PROFILES

BUTLER CREEK TRIBUTARY 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

WASHINGTON COUNTY, WI
AND INCORPORATED AREAS