

# FLOOD INSURANCE STUDY



## SOLANO COUNTY, CALIFORNIA AND INCORPORATED AREAS VOLUME 2 OF 3

### COMMUNITY NAME

BENICIA, CITY OF  
DIXON, CITY OF  
FAIRFIELD, CITY OF  
RIO VISTA, CITY OF  
SUISUN CITY, CITY OF  
VACAVILLE, CITY OF  
VALLEJO, CITY OF  
SOLANO COUNTY  
(UNINCORPORATED AREAS)

### COMMUNITY NUMBER

060368  
060369  
060370  
060371  
060372  
060373  
060374  
  
060631



**PRELIMINARY: JANUARY 31, 2013**



**Federal Emergency Management Agency**

FLOOD INSURANCE STUDY NUMBER  
06095CV002C

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

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

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

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

This Preliminary revised FIS report contains only profiles added or revised as part of the restudy. These profiles are presented at a reduced scale to minimize reproduction costs. All profiles will be included and printed at full scale in the final published report. Please also note that since this study did not include any revisions to the Floodway Data Tables, those tables will not be reprinted until the final published report.

Initial Countywide FIS Effective Date: May 4, 2009  
Revised Countywide FIS Effective Dates: August 2, 2012  
Month ##, 201#

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Published Separately – Flood Insurance Rate Map Index  
Flood Insurance Rate Map

## 5.0 INSURANCE APPLICATIONS

For flood insurance rating purposes, flood insurance zone designations are assigned to a community based on the results of the engineering analyses. The zones are as follows:

### Zone A

Zone A is the flood insurance rate zone that corresponds to the 1-percent annual chance floodplains that are determined in the FIS by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no base flood elevations or depths are shown within this zone.

### Zone AE

Zone AE is the flood insurance rate zone that corresponds to the 1-percent annual chance floodplains that are determined in the FIS by detailed methods. In most instances, whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

### Zone AH

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

### Zone AO

Zone AO is the flood insurance rate zone that corresponds to the areas of 1-percent annual chance shallow flooding (usually sheetflow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-foot depths derived from the detailed hydraulic analyses are shown within this zone.

### Zone VE

Zone VE is the flood insurance rate zone that corresponds to the 1-percent annual chance coastal floodplains that have additional hazards associated with storm waves. Whole-foot base flood elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

### Zone X

Zone X is the flood insurance rate zone that corresponds to areas outside the 0.2-percent annual chance floodplain, areas within the 0.2-percent annual chance floodplain, and areas of 1-percent annual chance flooding where average depths are less than 1 foot, areas of 1-percent annual chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the

1-percent annual chance flood by levees. No base flood elevations or depths are shown within this zone.

#### Zone D

Zone D is the flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.

### 6.0 FLOOD INSURANCE RATE MAP

The FIRM is designed for flood insurance and floodplain management applications.

For flood insurance applications, the map designates flood insurance rate zones as described in Section 5.0 and, in the 1-percent annual chance floodplains that were studied by detailed methods, shows selected whole-foot base flood elevations or average depths. Insurance agents use the zones and base flood elevations in conjunction with information on structures and their contents to assign premium rates for flood insurance policies.

For floodplain management applications, the map shows by tints, screens, and symbols, the 1- and 0.2-annual chance floodplains. Floodways and the locations of selected cross sections used in the hydraulic analyses and floodway computations are shown where applicable.

This FIRM includes some flood hazard information that was presented separately on the Flood Boundary and Floodway Maps, where applicable. Historical data relating to the maps prepared for each community up to and including this countywide FIS are presented in Table 15, "Community Map History."

COMMUNITY NAME	INITIAL IDENTIFICATION	FLOOD HAZARD BOUNDARY MAP REVISION DATE	FIRM EFFECTIVE DATE	FIRM REVISIONS DATE
Benicia, City of	March 15, 1974	January 16, 1976	May 31, 1977	August 3, 1989
Dixon, City of	March 15, 1974	March 5, 1976	May 19, 1981	None
Fairfield, City of	October 18, 1974	November 28, 1975	July 5, 1984	April 16, 1991 September 15, 1993
Rio Vista, City of	May 17, 1974	October 24, 1975	May 19, 1981	April 1, 1982 August 4, 1987
Suisun City, City of	March 22, 1974	June 11, 1976	June 1, 1982	None
Vacaville, City of	May 17, 1974	May 21, 1976	August 2, 1982	January 17, 1997 May 7, 2001
Vallejo, City of	July 19, 1974	December 12, 1975	October 17, 1978	February 22, 1983
Solano County (Unincorporated Areas)	February 14, 1978	None	August 2, 1982	July 17, 1986 April 5, 1988 September 27, 1991 July 16, 1996 May 7, 2001

**TABLE 15**

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
SOLANO COUNTY, CA  
AND INCORPORATED AREAS**

**COMMUNITY MAP HISTORY**



## 7.0 OTHER STUDIES

Information pertaining to revised and unrevised flood hazards for each jurisdiction within Solano County has been compiled into this FIS. Therefore, this FIS supersedes all previously printed FIS Reports, FHBMs, FBFMs, and FIRMs for all of the incorporated and unincorporated jurisdictions within Solano County

## 8.0 LOCATION OF DATA

Information concerning the pertinent data used in the preparation of this FIS can be obtained by contacting FEMA, Federal Insurance and Mitigation Division, FEMA, Federal Insurance and Mitigation Division, 1111 Broadway, Suite 1200, Oakland, California 94607-4052.

## 9.0 BIBLIOGRAPHY AND REFERENCES

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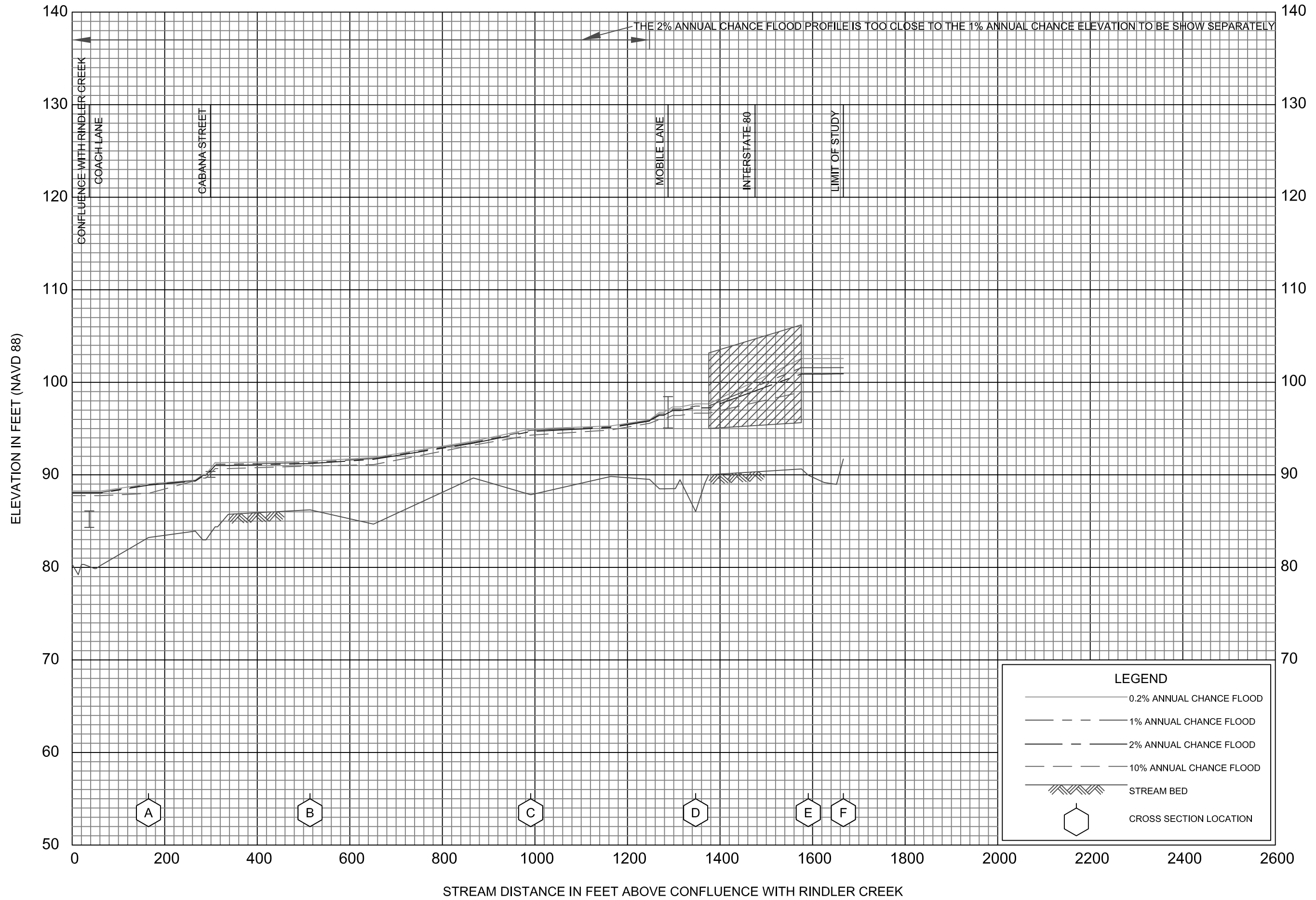
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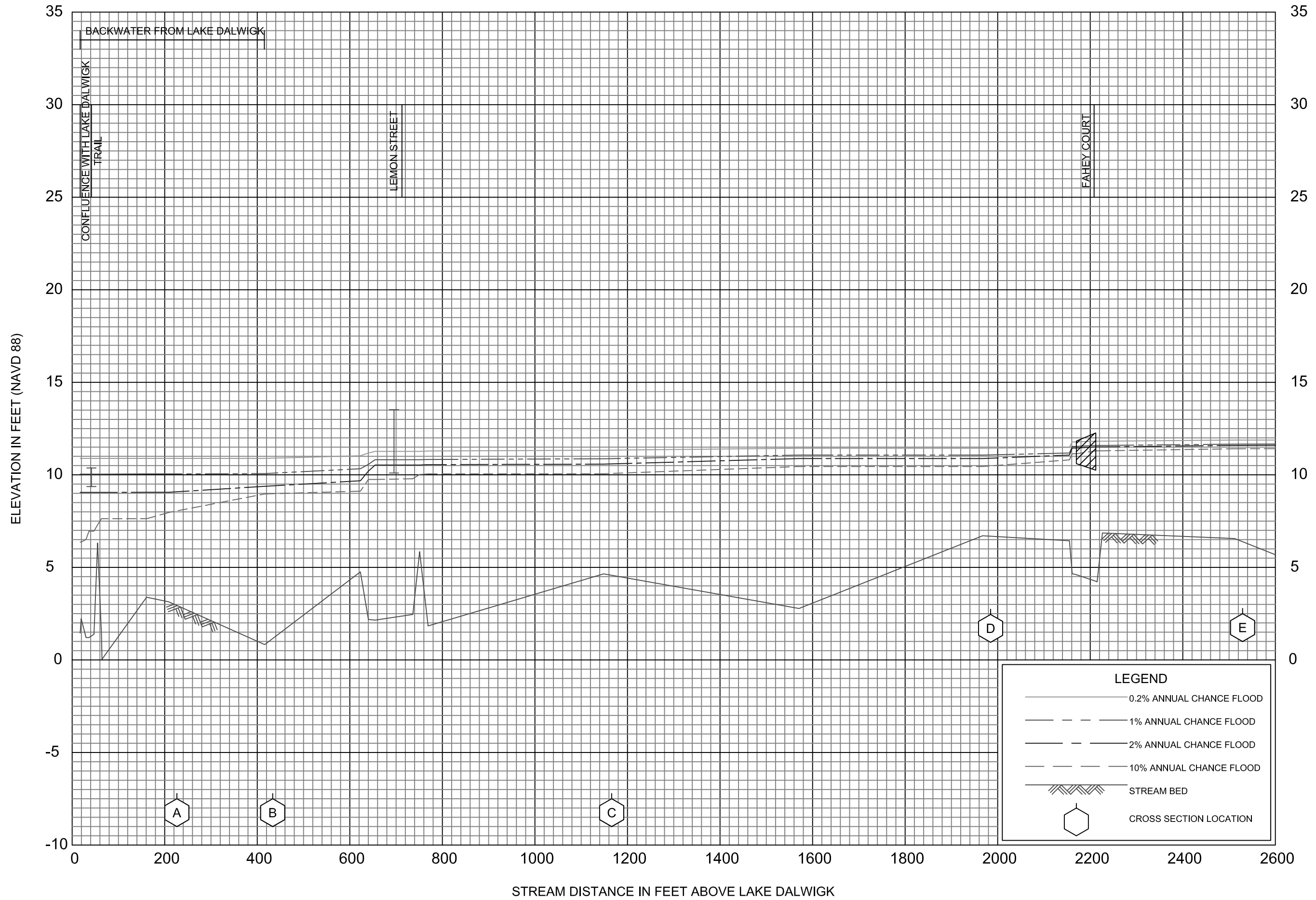
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**FLOOD PROFILES**

BLUE ROCK SPRINGS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**SOLANO COUNTY, CA**  
 AND INCORPORATED AREAS



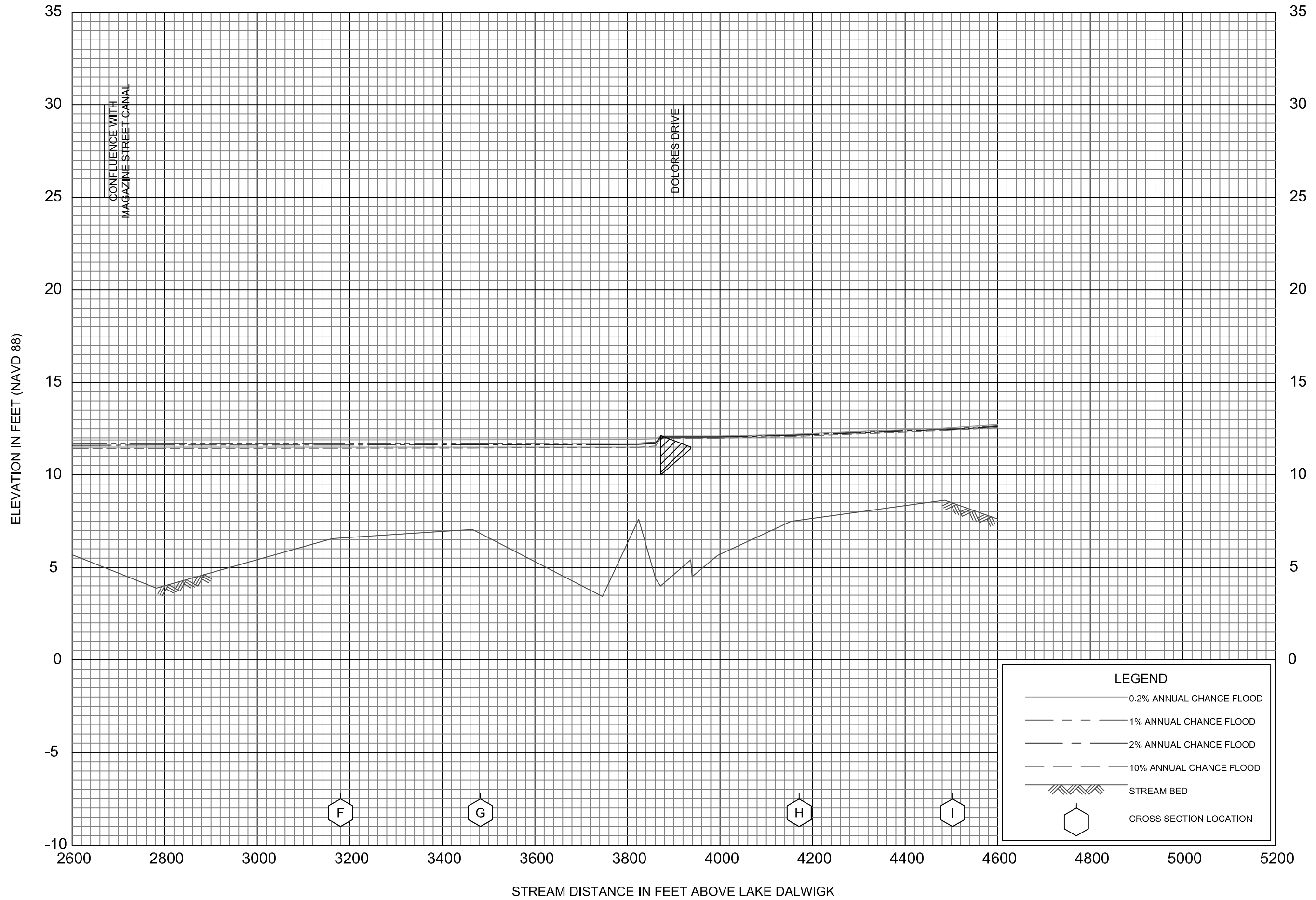
FLOOD PROFILES

LEMON STREET CANAL

FEDERAL EMERGENCY MANAGEMENT AGENCY

SOLANO COUNTY, CA  
AND INCORPORATED AREAS



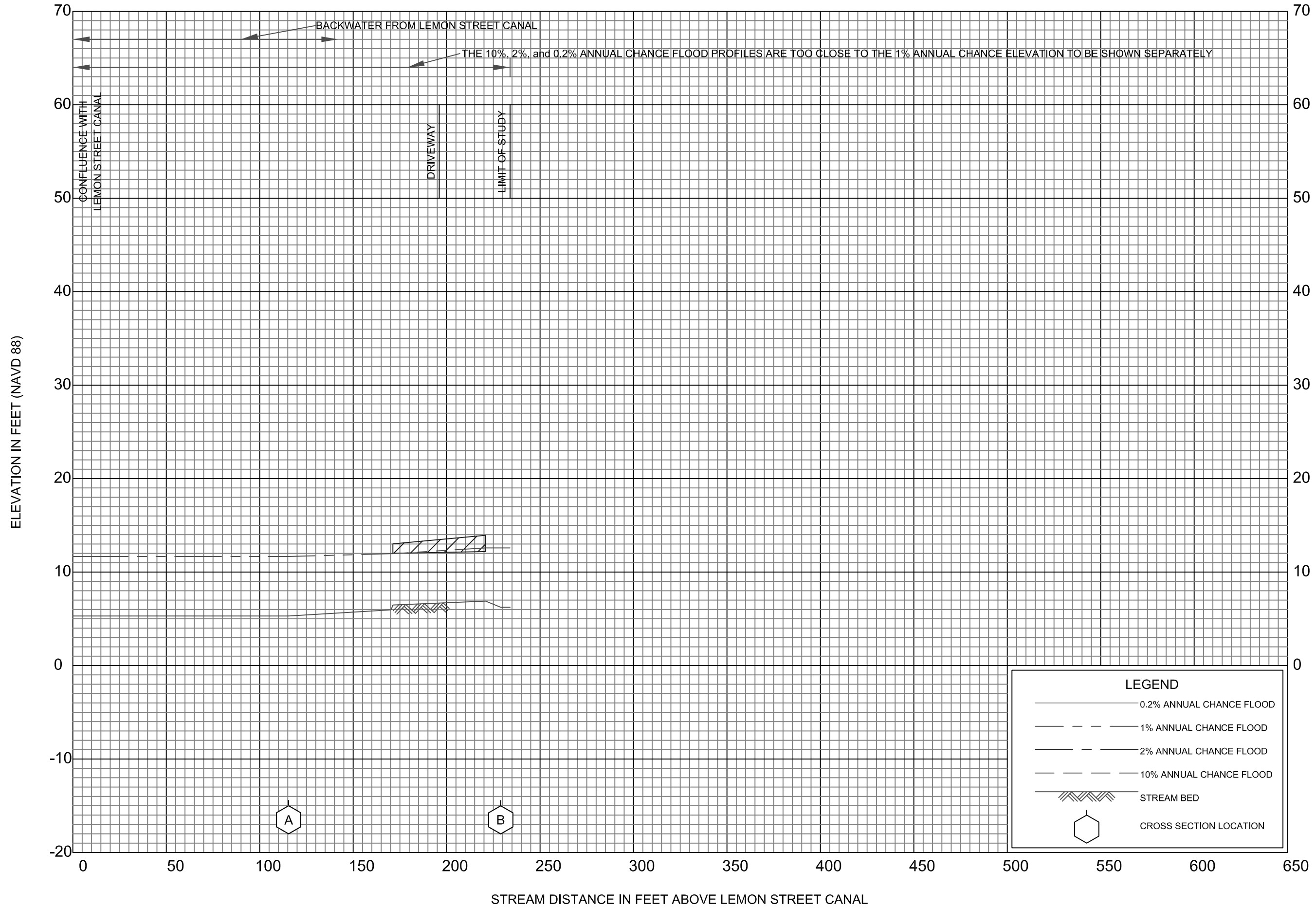


FLOOD PROFILES

LEMON STREET CANAL

FEDERAL EMERGENCY MANAGEMENT AGENCY

SOLANO COUNTY, CA  
AND INCORPORATED AREAS



**FLOOD PROFILES**

MAGAZINE STREET CANAL

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**SOLANO COUNTY, CA**  
 AND INCORPORATED AREAS