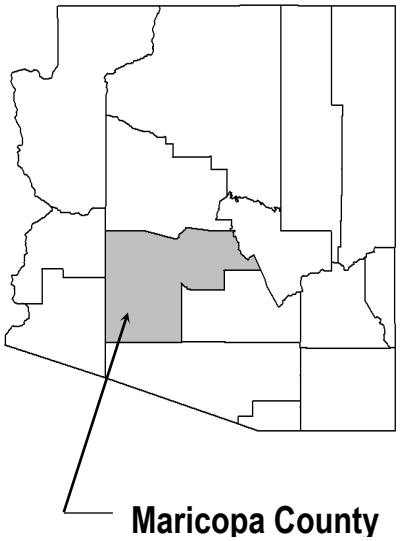
FLOOD INSURANCE STUDY

VOLUME 9 OF 31

MARICOPA COUNTY, ARIZONA
AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
AVONDALE, CITY OF	040038
BUCKEYE, TOWN OF	040039
CAREFREE, TOWN OF	040126
CAVE CREEK, TOWN OF	040129
CHANDLER, CITY OF	040040
EL MIRAGE, CITY OF	040041
FOUNTAIN HILLS, TOWN OF	040135
GILA BEND, TOWN OF	040043
GILBERT, TOWN OF	040044
GLENDALE, CITY OF	040045
GOODYEAR, CITY OF	040046
GUADALUPE, TOWN OF	040111
LITCHFIELD PARK, CITY OF	040128
MARICOPA COUNTY (UNINCORPORATED AREAS)	040037
MESA, CITY OF	040048
PARADISE VALLEY, TOWN OF	040049
PEORIA, CITY OF	040050
PHOENIX, CITY OF	040051
QUEEN CREEK, TOWN OF	040132
SCOTTSDALE, CITY OF	045012
SURPRISE, CITY OF	040053
TEMPE, CITY OF	040054
TOLLESON, CITY OF	040055
WICKENBURG, TOWN OF	040056
YOUNGTOWN, TOWN OF	040057



NOTICE
This Preliminary FIS Report includes only revised flood profiles and Floodway Data Tables. See Notice to Flood Insurance Study Users page for additional details.

PRELIMINARY

FEBRUARY 26, 2016

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
04013CV009D

NOTICE TO
FLOOD INSURANCE STUDY USERS

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

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

Users should refer to Section 10.0, Revisions Description, for further information. Section 10.0 is intended to present the most up-to-date information for specific portions of this FIS report. Therefore, users of this report should be aware that the information presented in Section 10.0 supersedes information in Sections 1.0 through 9.0 of the FIS report.

Initial Countywide FIS Effective Date: April 15, 1988

Revised Countywide Dates: September 29, 1989
September 4, 1991
December 3, 1993
September 30, 1995
July 19, 2001
September 30, 2005
October 16, 2013
November 4, 2015

This preliminary FIS report does not include unrevised Floodway Data Tables or unrevised Flood Profiles, and therefore does not include any additional report volumes. These Floodway Data Tables and Flood Profiles will appear in Volumes 3-7 and 9-31 of the final FIS report.

TABLE OF CONTENTS

VOLUME 1

Page

1.0 INTRODUCTION 1

1.1 Purpose of Study 1
1.2 Authority and Acknowledgments 1
1.3 Coordination 3

2.0 AREA STUDIED 3

2.1 Scope of Study 3
2.2 Community Description 22
2.3 Principal Flood Problems 24
2.4 Flood Protection Measures 29

3.0 ENGINEERING METHODS 30

3.1 Hydrologic Analyses 30

FIGURES

Figures 1-5 - Historic Flooding 26-28

TABLES

Table 1 - Detailed Study Sources 4
Table 2 - Approximate Study Streams 11

VOLUME 2

TABLES

Table 3 - Summary of Discharges 33
Table 4 - Summary of Stillwater Elevations 151

VOLUME 3

3.2 Hydraulic Analyses 155
3.3 Vertical Datum 171

4.0 FLOODPLAIN MANAGEMENT APPLICATIONS 172

4.1 Flood Boundaries 172
4.2 Floodways 173

TABLE OF CONTENTS (Continued)

Page

VOLUME 3 (Continued)

FIGURES

Figure 6 - Floodway Schematic 175

TABLES

Table 5 - Range of Hydraulic Roughness Coefficients (Manning's “n”) 157
Table 6 - Floodway Data (16 East McMicken-Centennial Wash) 176

VOLUME 4

TABLES - continued

Table 6 - Floodway Data (Cereus Wash-Laser Drain – Legend Wash) 253

VOLUME 5

TABLES - continued

Table 6 - Floodway Data (Lazy G Wash-Sharman Wash) 375

VOLUME 6

TABLES - continued

Table 6 - Floodway Data (Skunk Creek-Wash S2) 497

VOLUME 7

TABLES - continued

Table 6 - Floodway Data (Wash T1N-R5W-S04-Yucca Flat Wash) 624

TABLE OF CONTENTS (Continued)

VOLUME 8

Page

5.0 INSURANCE APPLICATIONS 752

6.0 FLOOD INSURANCE RATE MAP 753

7.0 OTHER STUDIES 753

8.0 LOCATION OF DATA 758

9.0 BIBLIOGRAPHY AND REFERENCES 758

10.0 REVISION DESCRIPTIONS 774

10.1 First Revision 774
10.2 Second Revision 780
10.3 Third Revision 794
10.4 Fourth Revision 810
10.5 Fifth Revision 819
10.6 Sixth Revision 822
10.7 Seventh Revision 859
10.8 Eighth Revision 872
10.9 Ninth Revision 879

TABLES

Table 7 - Community Map History 755
Table 8 - Letters of Map Change (Revision 6) 847
Table 9 – Listed of Certified and Accredited Levees 861
Table 10 – Letters of Map Change (Revision 7) 865
Table 11 – Letters of Map Change (Revision 9) 882

TABLE OF CONTENTS (Continued)

VOLUME 9

EXHIBITS

Exhibit 1 - Flood Profiles

16 East (McMicken Wash)	Panels 01P-02P
191st Avenue Wash	Panels 03P-06P
ADOT U.S. 60 Channel	Panel 07P
Agua Fria River	Panels 08P-35P
Aguila Farm Channel	Panels 36P-40P
Amir Wash	Panels 41P-42P
Andora Hills Wash	Panels 43P-49P
Andora Hills Wash Split 1	Panel 50P
Andora Hills Wash Split 2	Panel 51P
Apache Wash	Panels 52P-61P
Apache Wash Split Flow Area	Panels 62P-63P
Apache Wash Tributary 1	Panels 64P-65P
Apache Wash Tributary 2	Panels 66P-68P
Apache Wash Tributary 3	Panel 69P
Apache Wash Tributary 4	Panels 70P-71P
Apache Wash Tributary 5	Panel 72P
Apache Wash Tributary 6	Panel 73P
Apache Wash Tributary 7	Panels 74P-75P
Apache Wash West Fork	Panels 76P-78P
Apache Wash West Fork Tributary 1	Panels 79P-80P
Apache Wash West Fork Tributary 2	Panel 81P
Arrow Wash	Panels 82P-84P
Ashbrook Wash	Panels 85P-88P
Atchison Topeka and Santa Fe Railroad Channel	Panels 89P-90P
Balboa Wash	Panels 91P-92P
Beardsley Canal Wash	Panels 93P-95P
Beardsley Wash North	Panels 96P-99P

TABLE OF CONTENTS (Continued)

VOLUME 10

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Beardsley Wash South	Panels 100P-106P
Beardsley Wash South Breakout	Panels 107P-108P
Bedrock Wash	Panels 109P-117P
Bedrock Wash North Fork	Panels 118P-121P
Bender Wash	Panels 122P-129P
Bender Wash North Tributary	Panels 130P-133P
Black Wash	Panel 134P
Blue Tank Wash	Panel 135P
Bonita Dike Channel	Panel 136P
Buchanan Wash	Panels 137P-138P
Buckeye Feeder Canal	Panels 139P-140P(c)
Bullard Wash	Panels 141P-148P
Bullard Wash West Tributary	Panel 149P
Bulldozer Wash	Panels 150P-161P
Calamity Wash	Panels 162P-163P
Caliente Wash	Panels 164P-165P
Camelback Wash	Panels 166P-167P
Camp Creek Tributary A	Panels 168P-173P
Camp Creek Tributary A1	Panels 174P-176P
Camp Creek Tributary A2	Panels 177P-179P
Camp Creek Tributary B	Panels 180P-186P
Camp Creek Tributary B1	Panels 187P-189P
Camp Creek Tributary B2	Panels 190P-194P
Camp Creek Tributary C	Panels 195P-200P

TABLE OF CONTENTS (Continued)

VOLUME 11

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Camp Creek Tributary C1	Panels 201P-203P
Camp Creek Tributary C2	Panels 204P-206P
Camp Creek Tributary C3	Panels 207P-208P
Camp Creek Tributary D	Panels 209P-210P
Casandro Wash	Panels 211P-216P
Casandro Wash South Branch	Panels 217P-218P
Caterpillar Tank Wash	Panels 219P-223P
Cave Creek	Panels 224P-273P
Cave Creek Overflow Channel	Panel 274P
Cave Creek Tributary	Panel 275P
Cave Creek Tributary 1	Panels 276P-280P
Cave Creek Tributary 1A	Panel 281P
Cave Creek Tributary 1B	Panel 282P
Cave Creek Tributary 1C	Panel 283P
Cave Creek Tributary 1D	Panel 284P
Cave Creek Tributary Tributary	Panel 285P
Cave Creek Unnamed Central Tributary	Panels 286P-288P
Cave Creek Wash	Panels 289P-294P
Cemetery Wash	Panels 295P-300P

TABLE OF CONTENTS (Continued)

VOLUME 12

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Cemetery Wash Tributary R-1	Panels 301P-302P
Cemetery Wash Tributary R-2	Panels 303P-305P
Cemetery Wash Tributary R-3	Panel 306P
Centennial Wash	Panels 307P-325P
Centennial Wash Left Overbank	Panels 326P-333P
Centennial Wash North Branch	Panels 334P-335P
Cereus Wash	Panels 336P-338P
Cholla Wash	Panels 339P-356P
Cholla Wash North Fork	Panels 357P-360P
Chukar Wash	Panel 361P
Circle City Area Wash 1	Panels 362P-366P
Circle City Area Wash 2	Panels 367P-368P
Circle City Area Wash 2 Along Atchison, Topeka & Santa Fe Railway	Panels 369P-370P
Circle City Area Wash 3	Panels 371P-374P
Circle City Area Wash 4	Panels 375P-376P
Circle City Area Wash 4 Along Atchison, Topeka & Santa Fe Railway	Panel 377P
Circle City Area Wash 5	Panel 378P
Circle City Area Wash 6	Panels 379P-380P
Circle City Area Wash 7	Panels 381P-382P
Citrus Valley Wash	Panels 383P-384P
Cline Creek	Panels 385P-393P
Cline Creek Split 3	Panel 394P
Colony Wash	Panels 395P-396P

TABLE OF CONTENTS (Continued)

VOLUME 13

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Cottonwood Creek	Panels 397P-405P
Cottonwood Creek Tributary 1	Panels 406P-407P
Cottonwood Creek Tributary 2	Panels 408P-409P
Cyprus Point Wash	Panels 410P-411P
Daggs Wash	Panels 412P-422P
Daggs Wash East Split Flow	Panel 423P
Daggs Wash West Breakout	Panels 424P-425P
Dale Creek Wash	Panel 426P
Deadman Wash	Panels 427P-431P
Deadman Wash Stream No. 4	Panel 432P
Deadman Wash Stream No. 7	Panel 433P
Deadman Wash Stream No. 12	Panel 434P
Desert Hills Wash	Panels 435P-438P
Desert Hills Wash Tributary	Panel 439P
Desert Hills Wash Tributary 1	Panels 440P-441P
Desert Hills Wash Tributary 2	Panel 442P
Desert Hills Wash Tributary 3	Panel 443P
Desert Hills Wash Tributary 4	Panel 444P
Desert Hills Wash Tributary 5	Panel 445P
Desert Hills Wash Tributary 6	Panels 446P-447P
Desert Lake Wash	Panels 448P-451P
Desert Lake Wash East Fork	Panels 452P-454P
Desert Lake Wash Tributary 2	Panels 455P-456P
Diversion Dike Wash	Panels 457P-458P
Doe Peak Wash	Panels 459P-460P
Doe Peak Wash East Fork	Panels 461P-462P
Doe Peak Wash South Fork	Panels 463P-465P
Dreamy Draw Wash East	Panels 466P-467P
Dreamy Draw Wash West	Panel 468P
East Fork of Cave Creek	Panels 469P-471P
East Garambullo Wash	Panels 472P-473P
Eastern Canal East Embankment Flooding	Panels 474P-478P
Eastern Pima Wash	Panels 479P-480P
Echo Canyon Wash	Panels 481P-485P
Emerald Wash	Panels 486P-487P
Escalante Wash	Panel 488P
Evans Wash	Panels 489P-493P
Fan 6A	Panels 494P-495P

TABLE OF CONTENTS (Continued)

VOLUME 14

EXHIBITS – continued

Exhibit 1 - Flood Profiles - continued

Fan 6A North	Panels 496P-504P
Fan 6A South	Panels 505P-511P
Fan 6C	Panels 512P-514P
Fan 6C North Branch	Panel 515P
Flemming Springs Wash	Panels 516P-519P
Flying E Wash	Panels 520P-524P
Flynn Lane Wash	Panels 525P-526P
Fountain Channel	Panel 527P
Galloway Wash	Panels 528P-534P
Galloway Wash Middle Branch	Panels 535P-538P
Galloway Wash Middle Branch Tributary	Panel 539P
Galloway Wash North Tributary	Panels 540P-546P
Galloway Wash South Branch	Panels 547P-550P
Galloway Wash South Branch Split 1	Panel 551P
Galloway Wash Split 1	Panel 552P
Galloway Wash Split 2	Panel 553P
Galloway Wash Tributary 2	Panels 554P-556P
Galloway Wash Tributary 2A	Panel 557P
Galloway Wash Tributary 2B	Panel 558P
Galloway Wash Unnamed Tributary	Panels 559P-560P
Gila Bend Canal	Panel 561P
Gila River	Panels 562P-575P(a)
Gila River (Below Gilliespie Dam)	Panels 576P-589P
Granite Falls Wash	Panel 590P
Granite Reef Wash	Panels 591P-592P
Grapevine Wash	Panels 593P-594P
Grass Wash	Panels 595P-597P
Greystone Wash	Panel 598P

TABLE OF CONTENTS (Continued)

VOLUME 15

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Hacker Wash	Panels 599P-604P
Hacker Wash Diversion	Panel 605P
Happy Valley Wash	Panel 606P
Hartman Wash	Panels 607P-611P
Hartman Wash Unnamed Tributary	Panel 612P
Hassayampa River	Panels 613P-635P
Hassayampa River Tributary 1E	Panels 636P-640P
Hassayampa River Tributary 1E1	Panels 641P-642P
Hassayampa River Tributary 3E	Panels 643P-644P
Hassayampa River Tributary 4E	Panels 645P-647P
Hassayampa River Tributary 4E Tributary	Panel 648P
Hassayampa River Tributary 4E West Fork	Panel 649P
Hesperus Wash	Panels 650P-651P
Holly Wash	Panel 652P
Hospital Wash	Panel 653P
I-8 Wash East	Panel 654P
I-8 Wash West	Panel 655P
Indian Bend Wash	Panels 656P-662P
Indian Bend Wash Low Flow Channel	Panels 663P-664P
Interstate 10 Wash	Panel 665P
Iona Stock Tank Wash	Panels 666P-667P
Iona Wash	Panels 668P-677P
Iona Wash East	Panels 678P-680P
Iona Wash East Split 1	Panels 681P-683P
Iona Wash East Split 2	Panels 684P-685P
Iona Wash North West Split	Panels 686P-688P
Iona Wash West	Panels 689P-691P
Jacklin Wash	Panel 692P
Jackrabbit Trail Wash	Panels 693P-696P

TABLE OF CONTENTS (Continued)

VOLUME 16

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Jackrabbit Wash	Panels 697P-711P
Jackrabbit Wash Unnamed Tributary	Panels 712P-717P
Jenny Lin Wash	Panels 718P-719P
Kingstree Wash	Panel 720P
Laser Drain	Panel 721P
Legend Wash	Panel 722P
Little San Domingo Wash	Panels 723P-726P
Logan Wash	Panel 727P
Lower El Mirage Wash	Panels 728P-730P
Lower El Mirage Wash Tributary	Panels 731P-732P
Luke Wash	Panels 733P-739P(b)
Luke Wash East Main Tributary	Panels 740P-743P(b)
Luke Wash East Sub Tributary	Panels 744P-745P
Luke Wash Minor Tributary	Panels 746P-747P
Malta Drain	Panel 748P
Mangrum Wash	Panel 749P
Martinez Wash	Panel 750P
McCormick Ranch Lakes East Branch	Panel 751P
McCormick Ranch Lakes West Branch	Panel 752P
McMicken Dam Outlet Wash	Panels 753P-757P
Mesquite Tank Wash	Panels 758P-761P
Mockingbird Wash	Panels 762P-763P
Monarch Wash	Panels 764P-767P
Moon Valley Wash	Panels 768P-769P
Moon Valley Wash Diversion Channel	Panels 770P-771P
Moon Valley Wash North Branch	Panels 772P-776P
Moon Valley Wash North Split	Panels 777P-778P
Moon Valley Wash South Branch	Panels 779P-781P
Morgan City Wash	Panels 782P-791P
Mountain Wash	Panel 792P
Myrtle Avenue Wash	Panels 793P-794P

TABLE OF CONTENTS (Continued)

VOLUME 17

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

New River	Panels 795P-810P
New River East Split	Panel 811P
New River Middle Split	Panels 812P-813P
New River West Split	Panels 814P-815P
New River West Tributary 5	Panels 816P-818P
New River West Tributary 10	Panels 819P-822P
New River West Tributary 15	Panels 823P-825P
New River West Tributary 20	Panels 826P-831P
New River West Tributary 20 Tributary 5	Panels 832P-833P
New River West Tributary 20 Tributary 10	Panels 834P-835P
New River West Tributary 25	Panels 836P-837P
New River West Tributary 30	Panels 838P-842P
New River West Tributary 35	Panels 843P-846P
New River West Tributary 40	Panels 847P-849P
New River West Tributary 45	Panels 850P-854P
New River West Tributary 50	Panels 855P-857P
New River West Tributary 50 Tributary 5	Panels 858P-859P
New River West Tributary 55	Panels 860P-865P
New River West Tributary 55 Tributary 5	Panels 866P-868P
New River West Tributary 55 Tributary 10	Panels 869P-876P
New River West Tributary 55 Tributary 15	Panels 877P-883P
New River West Tributary 55 Tributary 20	Panels 884P-885P
New River West Tributary 55 Tributary 30	Panels 886P-887P
North Colony Wash	Panel 888P
Ocotillo Wash	Panels 889P-896P
Ocotillo Wash Split 1	Panels 897P-898P
Ocotillo Wash Tributary 1	Panels 899P-901P
Ocotillo Wash Tributary 1A	Panels 902P-903P
Ocotillo Wash Tributary 2	Panels 904P-908P
Ocotillo Wash Tributary 2 Tributary 1	Panel 909P
Ocotillo Wash Tributary 3	Panels 910P-912P

TABLE OF CONTENTS (Continued)

VOLUME 18

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Ocotillo Wash Tributary 4	Panels 913P-915P
Ocotillo Wash Tributary 5	Panels 916P-917P
Ocotillo Wash Tributary 6	Panel 918P
Osborn Road Wash	Panels 919P-923P
Ox Wash	Panels 924P-925P
Oxford Wash	Panel 926P
Padelford Wash	Panels 927P-931P
Padelford Wash Split 1	Panels 932P-933P
Padelford Wash Split 2	Panels 934P-935P
Padelford Wash Split 3	Panels 936P-937P
Padelford Wash Split 4	Panel 938P
Padelford Wash Split 5	Panel 939P
Padelford Wash Tributary A	Panels 940P-941P
Padelford Wash Tributary B	Panel 942P
Padelford Wash Tributary C	Panels 943P-944P
Paradise Wash	Panels 945P-955P
Paradise Wash West Fork	Panels 956P-957P
Perryville Road Wash	Panels 958P-961P
Pioneer Cemetery Wash	Panels 962P-965P
Powder House Wash	Panels 966P-967P
Powder House Wash Tributary 1	Panel 968P
Powder House Wash Tributary 2	Panel 969P
Powder Wash	Panels 970P-971P
Powerline Wash	Panels 972P-979P
Prospect Wash	Panels 980P-981P
Pyrite Wash	Panel 982P
Queen Creek Wash	Panels 983P-985P
Queen Creek Wash (Above Higley Road)	Panel 986P
Quilotosa Wash	Panels 987P-988P
Quilotosa Wash East Split	Panel 989P
Rainbow Wash	Panels 990P-997P
Rainbow Wash Tributary	Panels 998P-999P
Ranieri Tank Wash	Panels 1000P-1001P
Ranieri Tank Wash Tributary 1	Panels 1002P-1003P
Ranieri Tank Wash Tributary 2	Panel 1004P
Ranieri Tank Wash Tributary 3	Panel 1005P

TABLE OF CONTENTS (Continued)

VOLUME 19

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Rattler Wash	Panels 1006P-1007P
Rawhide Wash	Panels 1008P-1015P
Rawhide Wash Tributary 1	Panels 1016P-1017P
Rawhide Wash Tributary 2	Panels 1018P-1020P
Rawhide Wash Tributary 3	Panel 1021P
Rawhide Wash Tributary 4	Panels 1022P-1024P
Rio Verde Wash 10	Panels 1026P-1035P(g)
Rio Verde Wash 10 Split 4	Panels 1036P-1038P
Rio Verde Wash 10 Split 7	Panels 1039P-1040P(f)
Rio Verde Wash 11	Panels 1041P-1050P(b)
Rio Verde Wash 11 Split 1	Panels 1051P-1052P
Rio Verde Wash 11 Split 2	Panels 1053P-1054P
Rio Verde Wash 11 Split 8	Panels 1055P-1059P
Rio Verde Wash 12	Panels 1060P-1068P
Rio Verde Wash 12 Split 3	Panels 1069P-1071P
Rio Verde Wash 12 Split 6	Panels 1072P-1074P
Rio Verde Wash A	Panels 1075P-1080P(k)
Rio Verde Wash A Split 1	Panels 1081P-1084P
Rio Verde Wash D	Panels 1085P-1086P
Rio Verde Wash F	Panels 1087P-1093P(j)

*Panel 1025P not printed

TABLE OF CONTENTS (Continued)

VOLUME 20

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Rock Springs Creek	Panels 1094P-1096P
Rodger Creek	Panels 1097P-1102P
Roosevelt Irrigation District Canal Split Flow	Panel 1103P
Rowe Wash	Panels 1104P-1112P
Salt River	Panels 1113P-1128P
Salt River South Split	Panel 1129P
San Domingo Wash	Panels 1130P-1131P
Sand Tank Wash	Panels 1132P-1142P
Sauceda Wash	Panels 1143P-1144P
Scatter Wash	Panels 1145P-1149P(c)
Scatter Wash South Branch	Panels 1150P-1151P
Scott Avenue Wash	Panels 1154P-1163P
Skunk Creek	Panels 1164P-1186P
Skunk Creek Breakout	Panel 1187P
Skunk Creek Tributary 6B	Panels 1188P-1189P
Skunk Creek Tributary 6B North	Panel 1190P
Skunk Creek Tributary 6C	Panels 1191P-1192P
Skunk Creek Tributary 10A	Panel 1193P
Skunk Creek Tributary 10B	Panels 1194P-1196P
Skunk Creek Tributary 12	Panels 1197P-1198P
Skunk Creek Tributary 27.161	Panel 1199P
Skunk Tank Wash	Panels 1200P-1203P
Skyline Wash	Panels 1204P-1205P

*Panels 1152P-1153P not printed

TABLE OF CONTENTS (Continued)

VOLUME 21

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Sols Wash	Panels 1206P-1213P
Sols Wash Tributary AH2	Panel 1214P
Sols Wash Tributary AH3	Panels 1215P-1218P
Sols Wash Tributary AH3 Unnamed Tributary	Panel 1219P
Sols Wash Tributary AH4	Panels 1220P-1221P
Sols Wash Tributary AH5	Panels 1222P-1226P
Sonoqui Wash	Panels 1227P-1229P
Sonoran Wash	Panels 1230P-1232P
Stagecoach Pass Wash	Panels 1233P-1245P
Stagecoach Pass Wash Unnamed Tributary	Panels 1246P-1247P
Star Wash	Panels 1248P-1265P
Star Wash Tributary A	Panels 1266P-1267P
Star Wash Tributary B	Panels 1268P-1270P
Star Wash Tributary C	Panels 1271P-1272P
Star Wash Tributary D	Panels 1273P-1276P
Sunburst Wash	Panel 1277P
Sunland Avenue Tributary	Panel 1278P
Sunny Cove Wash	Panel 1279P
Sunny Cove Wash (Upper Reach)	Panels 1280P-1282P(a)
Sunset Wash	Panel 1283P
Sunset Wash Tributary	Panel 1284P
Sunset Wash (Upper Reach)	Panel 1285P
Sweat Canyon Wash	Panels 1286P-1290P
Sycamore Wash	Panel 1291P
Tank Wash	Panels 1292P-1296P
Tank Wash South Branch	Panel 1297P
Tenth Street Wash	Panels 1298P-1299P
Tractor Wash	Panels 1300P-1305P

TABLE OF CONTENTS (Continued)

VOLUME 22

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Tributary C6	Panels 1306P-1309P
Tributary C8	Panels 1310P-1316P
Tributary X1	Panels 1317P-1319P
Tributary X1 Overflow	Panel 1320P
Tributary X1 Splitflow	Panel 1321P
Tributary X2	Panels 1322P-1324P
Tributary X3	Panels 1325P-1327P
Tributary X4A	Panels 1328P-1329P
Tributary X4B	Panels 1330P-1331P
Tributary X5	Panels 1332P-1334P
Trilby Wash	Panels 1335P-1356P
Trilby Wash Middle Channel	Panel 1357P
Trilby Wash West Channel	Panel 1358P
Tulip Wash	Panel 1359P
Turtleback Wash	Panels 1360P-1361P
Tuthill Dike Wash	Panels 1362P-1371P
Twin Buttes Wash	Panels 1372P-1377P
Twin Peaks Wash	Panel 1378P
Union Pacific Railroad	Panels 1379P-1380P
Union Pacific Railroad Ditch	Panels 1382P-1384P
Unnamed Channel	Panel 1385P
Unnamed Wash No. 1	Panels 1386P-1392P
Unnamed Wash No. 2	Panels 1393P-1398P
Upper Boulders Wash	Panels 1399P-1406P
Upper Fan 5	Panels 1407P-1415P

* Panel 1381P not printed

TABLE OF CONTENTS (Continued)

VOLUME 23

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Valley Wash	Panels 1416P-1417P
Wagner Wash	Panels 1418P-1424P
Wagon Wash	Panel 1425P
Wash 1 East	Panels 1426P-1427P
Wash 1 West	Panels 1428P-1432P
Wash 2 East (North of the Central Arizona Project Canal)	Panels 1433P-1434P
Wash 2 East (South of the Central Arizona Project Canal)	Panels 1435P-1436P
Wash 2 East Tributary	Panels 1437P-1438P
Wash 2 West (North of the Central Arizona Project Canal)	Panels 1439P-1441P
Wash 2 West (South of the Central Arizona Project Canal)	Panels 1442P-1444P
Wash 2 West Tributary 1	Panels 1445P-1447P(e)
Wash 2 West Tributary 2	Panels 1448P-1450P
Wash 3 East	Panels 1451P-1455P
Wash 3 West	Panels 1456P-1461P
Wash 4 East	Panels 1462P-1463P
Wash 5 East	Panels 1464P-1467P
Wash 6 East	Panels 1468P-1470P
Wash 6 East South	Panel 1471P
Wash 7 East	Panel 1472P
Wash 7 East East Split	Panels 1473P-1474P
Wash 7 East Tributary	Panels 1475P-1476P
Wash 7 East West Split	Panel 1477P
Wash 8 East	Panels 1478P-1480P
Wash 9 (Rio Verde Wash 9)	Panels 1481P-1484P
Wash 9 East	Panels 1485P-1492P
Wash 9 East Split	Panel 1493P
Wash 10 East	Panels 1494P-1497P
Wash 10 East Split 1	Panel 1498P
Wash 10 East Split 2	Panels 1499P-1500P
Wash 11 East	Panels 1501P-1510P
Wash 12 East	Panels 1511P-1514P
Wash 12 East Split	Panel 1515P

TABLE OF CONTENTS (Continued)

VOLUME 24

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Wash 13 East	Panels 1516P-1518P
Wash 14 East	Panel 1519P
Wash AG	Panel 1520P
Wash B	Panels 1521P-1529P
Wash B Tributary	Panel 1530P
Wash E2	Panel 1531P
Wash F	Panel 1532P
Wash F2	Panel 1533P
Wash G	Panel 1534P
Wash H	Panels 1535P-1536P
Wash I	Panels 1537P-1538P
Wash K	Panels 1539P-1542P
Wash K1	Panel 1543P
Wash L	Panels 1544P-1545P
Wash O	Panels 1546P-1547P
Wash P	Panel 1548P
Wash Q	Panels 1549P-1551P
Wash S2	Panel 1552P
Wash T2N-R5W-S27N	Panels 1553P-1555P
Wash T4N-R2W-S09N	Panels 1556P-1557P
Wash T4N-R2W-S15N	Panels 1558P-1559P
Wash T4N-R3W-S07W	Panels 1560P-1561P
Wash T4N-R3W-S08E	Panels 1562P-1565P
Wash T4N-R3W-S08W	Panels 1566P-1568P
Wash T4N-R3W-S09W	Panels 1569P-1571P
Wash T4N-R3W-S10N	Panels 1572P-1573P
Wash T4N-R3W-S10W-Reach-1	Panel 1574P
Wash T4N-R3W-S10W-Reach-2	Panel 1575P
Wash T4N-R3W-S17	Panels 1576P-1578P
Wash T4N-R3W-S18E	Panels 1579P-1582P
Wash T4N-R3W-S18W	Panels 1583P-1586P
Wash T5N-R2W-S07	Panels 1587P-1588P
Wash T5N-R2W-S19E	Panels 1589P-1590P
Wash T5N-R2W-S19W	Panels 1591P-1594P
Wash T5N-R3W-S01S	Panel 1595P
Wash T5N-R3W-S19	Panel 1596P
Wash T5N-R3W-S24E	Panels 1597P-1599P
Waterfall Wash	Panels 1600P-1607P

TABLE OF CONTENTS (Continued)

VOLUME 25

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Waterman Wash	Panels 1608P-1620P(ac)
West Fork White Peak Wash	Panel 1621P
West Garambullo Wash	Panels 1622P-1623P
West Quilotosa Wash	Panels 1624P-1625P
West Split Flow Through El Mirage	Panels 1626P-1627P
White Granite Wash	Panels 1628P-1633P
White Granite Wash North Fork	Panels 1634P-1636P
White Peak Wash	Panels 1637P-1639P
White Tanks No. 3 Wash	Panels 1640P-1646P
White Tanks Wash	Panels 1647P-1653P

TABLE OF CONTENTS (Continued)

VOLUME 26

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

White Tanks Wash Tributary 1	Panels 1654P-1657P
Willow Springs Wash	Panels 1658P-1667P
Willow Springs Wash Tributary 1	Panels 1668P-1675P
Willow Springs Wash Tributary 1A	Panels 1676P-1679P
Willow Springs Wash Tributary 2	Panels 1680P-1683P
Willow Springs Wash Tributary 2A	Panels 1684P-1686P
Willow Springs Wash Tributary 4	Panels 1687P-1691P
Willow Springs Wash Tributary 5	Panels 1692P-1695P
Willow Springs Wash Tributary 5A	Panels 1696P-1698P
Willow Springs Wash Tributary 6	Panels 1699P-1701P
Willow Springs Wash Tributary 6A	Panel 1702P
Willow Springs Wash Tributary 6B	Panel 1703P
Willow Springs Wash Tributary 6C	Panel 1704P
Windmill Wash	Panels 1705P-1706P
Windmill Wash North Branch	Panels 1707P-1708P
Windmill Wash South Branch	Panel 1709P
Wittmann Wash	Panels 1710P-1721P
Wittmann Wash North Split	Panel 1722P
Wittmann Wash South Split	Panels 1723P-1724P
Wittmann Wash Tributary	Panels 1725P-1726P
Yucca Flat Wash	Panels 1727P-1728P

TABLE OF CONTENTS (Continued)

VOLUME 27

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Coyote Pass Wash	Panel 1729P
Delaney Wash	Panels 1730P-1734P
Delaney Wash North Split	Panel 1735P
Delaney Wash South Split	Panel 1736P
Dickey Wash	Panels 1737P-1741P
Eastern Canal	Panels 1742P-1744P
Four Mile Wash	Panels 1745P-1756P
Four Mile Wash W1	Panel 1757P
Four Mile Wash W2	Panel 1758P
Gavilan Peak Wash	Panels 1759P-1761P
Kelley Road Wash	Panel 1762P
Lazy G Wash	Panels 1763P-1764P
Luke Wash East Main Split	Panel 1765P
Phillips Wash	Panels 1766P-1771P
Photo View Wash	Panels 1772P-1775P
Photo View Wash Breakout 1	Panel 1776P
Photo View Wash Breakout 2	Panel 1777P
Rio Verde Wash 7	Panel 1778P
Rio Verde Wash 10 Split 7 Tributary 1	Panels 1779P-1784P
Rio Verde Wash 10 Tributary 1	Panels 1785P-1786P
Rio Verde Wash 10 Tributary 2	Panel 1787P
Rio Verde Wash 10 Tributary 2 Split 1	Panel 1788P
Rio Verde Wash 10 Tributary 3	Panel 1789P
Rio Verde Wash 10 Tributary 4	Panel 1790P
Rio Verde Wash A Split 3	Panels 1791P-1793P
Rio Verde Wash A Split 4	Panel 1794P
Rio Verde Wash A Split 8	Panels 1795P-1801P
Rio Verde Wash A Split 9	Panels 1802P-1808P
Rio Verde Wash A Tank Spillway	Panels 1809P-1810P
Rio Verde Wash A Tributary 1	Panels 1811P-1813P
Rio Verde Wash A Tributary 2	Panels 1814P-1815P
Rio Verde Wash F Split 6	Panels 1816P-1819P
Rio Verde Wash F Tributary 2	Panels 1820P-1824P

*Panel 1765P not printed

TABLE OF CONTENTS (Continued)

VOLUME 28

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Rio Verde Wash I	Panels 1825P-1839P
Rio Verde Wash I Split 4	Panels 1840P-1842P
Rio Verde Wash I Tributary 1	Panels 1843P-1845P
Rio Verde Wash I Tributary 3	Panel 1846P
Rio Verde Wash J	Panels 1847P-1849P
Rio Verde Wash K	Panels 1850P-1864P
Rio Verde Wash K Split 1	Panels 1865P-1866P
Rio Verde Wash K Split 3	Panels 1867P-1869P
Rio Verde Wash K Split 3A	Panels 1870P-1874P
Rio Verde Wash K Split 4	Panel 1875P
Rio Verde Wash K Tributary 1	Panels 1876P-1878P
Rio Verde Wash K Tributary 4	Panels 1879P-1888P
Rio Verde Wash K Tributary 4A	Panels 1889P-1894P
Rio Verde Wash K Tributary 6	Panels 1895P-1903P
Rio Verde Wash K Tributary 6 Split 1	Panels 1904P-1907P
Rio Verde Wash K Tributary 6 Split 2	Panels 1908P-1912P
Rio Verde Wash K Tributary 6 Split 3	Panels 1913P-1915P
Rio Verde Wash K Tributary 6A	Panels 1916P-1923P

TABLE OF CONTENTS (Continued)

VOLUME 29

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Rio Verde Wash K Tributary 6A1	Panels 1924P-1926P
Rio Verde Wash K Tributary 6A2	Panels 1927P-1928P
Rio Verde Wash K Tributary 6A3	Panel 1929P
Rio Verde Wash K Tributary 6B	Panels 1930P-1933P
Rio Verde Wash K Tributary 6C	Panel 1934P
Rio Verde Wash K Tributary 6D	Panels 1935P-1936P
Rio Verde Wash K Tributary 6D1	Panel 1937P
Rio Verde Wash K Tributary 7	Panels 1938P-1940P
Rio Verde Wash K Tributary 8	Panel 1941P
Rio Verde Wash K Tributary 9	Panels 1942P-1947P
Rio Verde Wash K Tributary 10	Panels 1948P-1949P
Rio Verde Wash K Tributary 11	Panels 1950P-1952P
Rio Verde Wash K Tributary 11A	Panels 1953P-1954P
Rio Verde Wash K Tributary 11B	Panel 1955P
Rio Verde Wash K Tributary 12	Panels 1956P-1957P
Rio Verde Wash K Tributary 13	Panels 1958P-1959P
Rio Verde Wash L	Panels 1960P-1967P
Rio Verde Wash P	Panels 1968P-1973P
Rio Verde Wash P Tributary 1	Panel 1974P
Rio Verde Wash P Tributary 2	Panel 1975P
River Creek	Panels 1976P-1977P
Rough Rider Wash	Panels 1978P-1980P
Sharman Wash	Panels 1981P-1982P
Soda Springs Wash	Panels 1983P-1984P
Table Mountain Wash	Panels 1985P-1987P
Table Mountain Wash Tributary 6	Panels 1988P-1989P
Twin Peaks Lane Wash	Panels 1990P-1991P
Wash T1N-R5W-S04	Panel 1992P
Wash T1N-R5W-S04 Split	Panel 1993P
Wash T1N-R5W-S10	Panels 1994P-1995P
Wash T1N-R5W-S15	Panels 1996P-1997P
Wash T1N-R5W-S18	Panel 1998P
Wash T1N-R5W-S22	Panels 1999P-2000P
Wash T1N-R5W-S28E	Panel 2001P
Wash T1N-R5W-S32	Panel 2002P
Wash T1N-R5W-S33E	Panel 2003P
Wash T1N-R5W-S33N	Panel 2004P
Wash T1N-R5W-S33W	Panels 2005P-2006P

TABLE OF CONTENTS (Continued)

VOLUME 29 (Continued)

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Wash T1N-R6W-S1	Panel 2007P
Wash T1N-R6W-S11	Panels 2008P-2009P
Wash T1N-R6W-S12	Panel 2010P
Wash T1N-R6W-S17	Panels 2011P-2012P
Wash T1N-R6W-S18	Panels 2013P-2014P
Wash T1S-R2W-S32A (I63)	Panels 2015P-2017P
Wash T1S-R5W-S09W	Panel 2018P

TABLE OF CONTENTS (Continued)

VOLUME 30

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Wash T1S-R5W-S17	Panels 2019P-2028P
Wash T1S-R5W-S22N	Panels 2029P-2032P
Wash T1S-R5W-S22S	Panels 2033P-2035P
Wash T1S-R5W-S29	Panels 2036P-2040P
Wash T1S-R5W-S29W	Panel 2041P
Wash T1S-R6W-S05S	Panels 2042P-2043P
Wash T1S-R6W-S08	Panels 2044P-2048P
Wash T1S-R6W-S27	Panels 2049P-2050P
Wash T2N-R5W-S27S	Panels 2051P-2052P
Wash T2N-R5W-S28	Panel 2053P
Wash T2N-R5W-S32	Panel 2054P
Wash T2N-R5W-S33E	Panels 2055P-2057P
Wash T2N-R5W-S33W	Panel 2058P
Wash T2N-R6W-S02	Panels 2059P-2060P
Wash T2N-R6W-S05E	Panels 2061P-2064P
Wash T2N-R6W-S05N	Panels 2065P-2068P
Wash T2N-R6W-S05S	Panel 2069P
Wash T2N-R6W-S05W	Panel 2070P
Wash T2N-R6W-S22	Panels 2071P-2072P
Wash T2N-R6W-S28N	Panels 2073P-2076P
Wash T2N-R6W-S36	Panels 2077P-2078P
Wash T2N-R6W-S36W	Panels 2079P-2080P
Wash T2N-R7W-S20W	Panels 2081P-2082P
Wash T2N-R7W-S32E	Panels 2083P-2084P
Wash T2N-R7W-S35W	Panels 2085P-2088P
Wash T3N-R6W-S27W	Panels 2089P-2090P
Wash T3N-R6W-S32	Panel 2091P
Wash T3N-R6W-S33	Panel 2092P
Wash T3N-R6W-S35	Panel 2093P
Wash T5N-R3W-S15-1-1E (West Fork Trilby Wash Tributary 1 East)	Panels 2094P-2095P
Wash T5N-R3W-S15-1E (Trilby Wash Tributary 1 East)	Panels 2096P-2098P
Wash T5N-R3W-S28-3W (Iona Tributary 3 West)	Panels 2099P-2102P
Wash T5N-R4W-S3	Panels 2103P-2104P
Wash T5N-R4W-S7A	Panels 2105P-2106P
Wash T5N-R4W-S7B	Panel 2107P
Wash T5N-R4W-S7C	Panels 2108P-2109P
Wash T5N-R4W-S19	Panels 2110P-2112P

TABLE OF CONTENTS (Continued)

VOLUME 30 (Continued)

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Wash T5N-R4W-S20A	Panels 2113P-2118P
Wash T5N-R4W-S20B	Panels 2119P-2120P

TABLE OF CONTENTS (Continued)

VOLUME 31

EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Wash T5N-R4W-S21	Panels 2121P-2125P
Wash T5N-R4W-S30	Panels 2126P-2127P
Wash T5N-R5W-S1	Panel 2128P
Wash T5N-R5W-S3A	Panel 2129P
Wash T5N-R5W-S3B	Panel 2130P
Wash T5N-R5W-S10A	Panels 2131P-2132P
Wash T5N-R5W-S11	Panel 2133P
Wash T5N-R5W-S12	Panel 2134P
Wash T5N-R5W-S13A	Panel 2135P
Wash T5N-R5W-S13B	Panels 2136P-2137P
Wash T5N-R5W-S14	Panel 2138P
Wash T5N-R5W-S14B	Panel 2139P
Wash T5N-R5W-S22	Panel 2140P
Wash T5N-R5W-S23A	Panels 2141P-2142P
Wash T5N-R5W-S23B	Panels 2143P-2146P
Wash T5N-R5W-S23C	Panel 2147P
Wash T5N-R5W-S23D	Panel 2148P
Wash T5N-R5W-S23E	Panel 2149P
Wash T5N-R5W-S23F	Panel 2150P
Wash T5N-R5W-S25A	Panels 2151P-2155P
Wash T5N-R5W-S25B	Panels 2156P-2161P
Wash T5N-R5W-S25C	Panels 2162P-2167P
Wash T5N-R5W-S34C	Panels 2168P-2171P
Wash T5N-R5W-S35	Panels 2172P-2175P
Wash T6N-R4W-S33	Panel 2176P
Wash T6N-R4W-S33A	Panel 2177P
Wash T6N-R5W-S36	Panel 2178P
Wash T6N-R5W-S36A	Panel 2179P
Wash T6N-R5W-S36B	Panel 2180P
West Prong of Waterman Wash	Panels 2181P-2183P
White Spar Wash	Panels 2184P-2185P
Winters Wash	Panels 2186P-2192P
Winters Wash With Embankment	Panel 2193P
Wittmann Wash Tributary 1	Panels 2194P-2198P
Wittmann Wash Tributary 1 Breakout 1	Panel 2199P
Wittmann Wash Tributary 1 Breakout 1 of Breakout 3	Panel 2200P
Wittmann Wash Tributary 1 Breakout 2	Panel 2201P
Wittmann Wash Tributary 1 Breakout 3	Panel 2202P

TABLE OF CONTENTS (Continued)

VOLUME 31 (Continued)

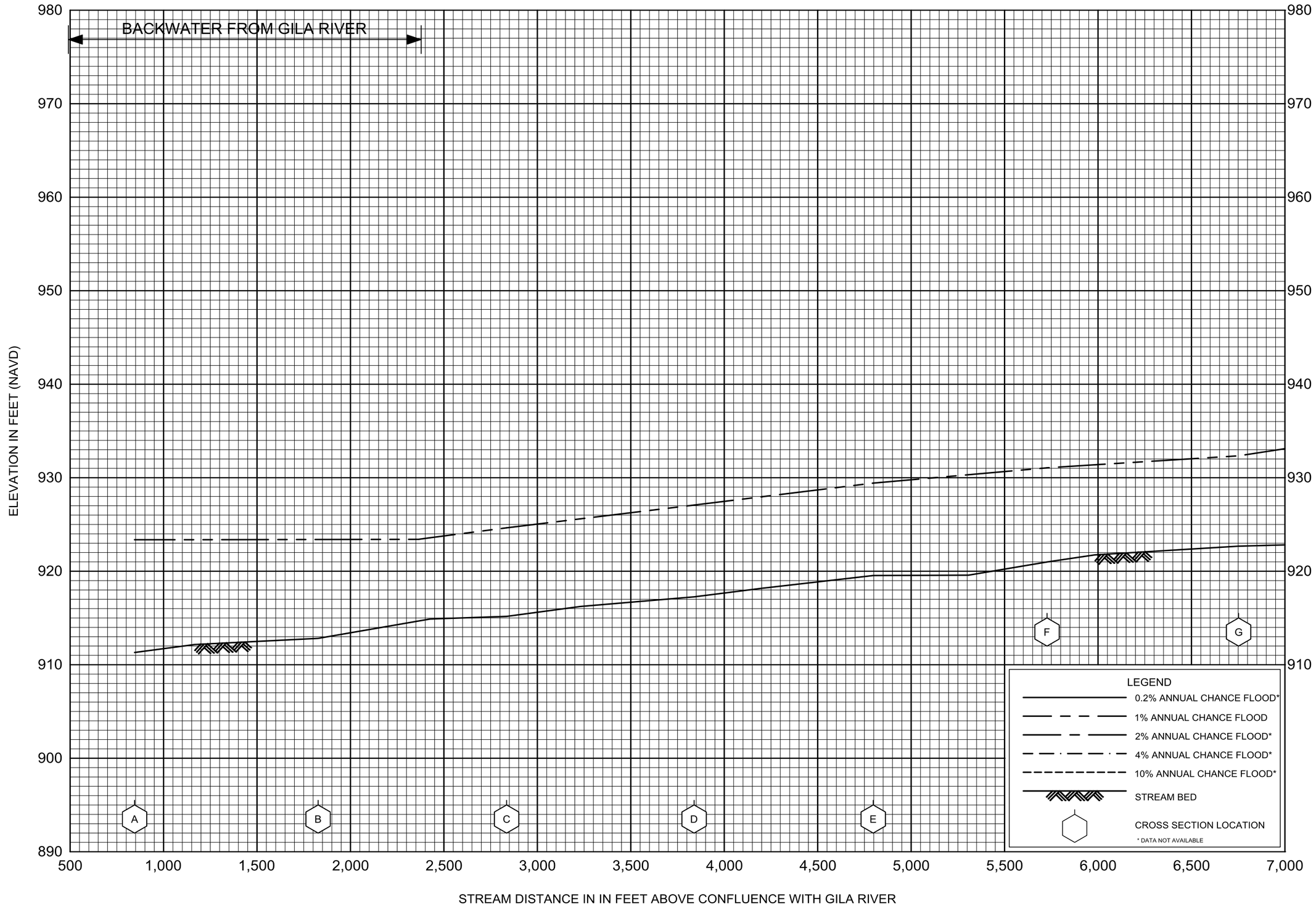
EXHIBITS - continued

Exhibit 1 - Flood Profiles - continued

Wittmann Wash Tributary 1 Breakout 4	Panels 2203P-2204P
Iona Tributary 1 West	Panels 2205P-2208P
Iona Tributary 2 West	Panels 2209P-2210P
Wash T1S-R2W-S18A (J27)	Panel 2211P
Wash T1S-R2W-S18B (J37)	Panels 2212P-2213P
Wash T1S-R2W-S31 (A56)	Panels 2214P-2216P
Wash T1S-R2W-S31B (I70)	Panel 2217P
Wash T1S-R3W-S24A (A60)	Panel 2218P
Wash T2S-R2W-S7A (A52)	Panels 2219P-2220P
Wash T2S-R2W-S7B (A51)	Panels 2221P-2222P

PUBLISHED SEPARATELY

Flood Insurance Rate Map Index
Flood Insurance Rate Map



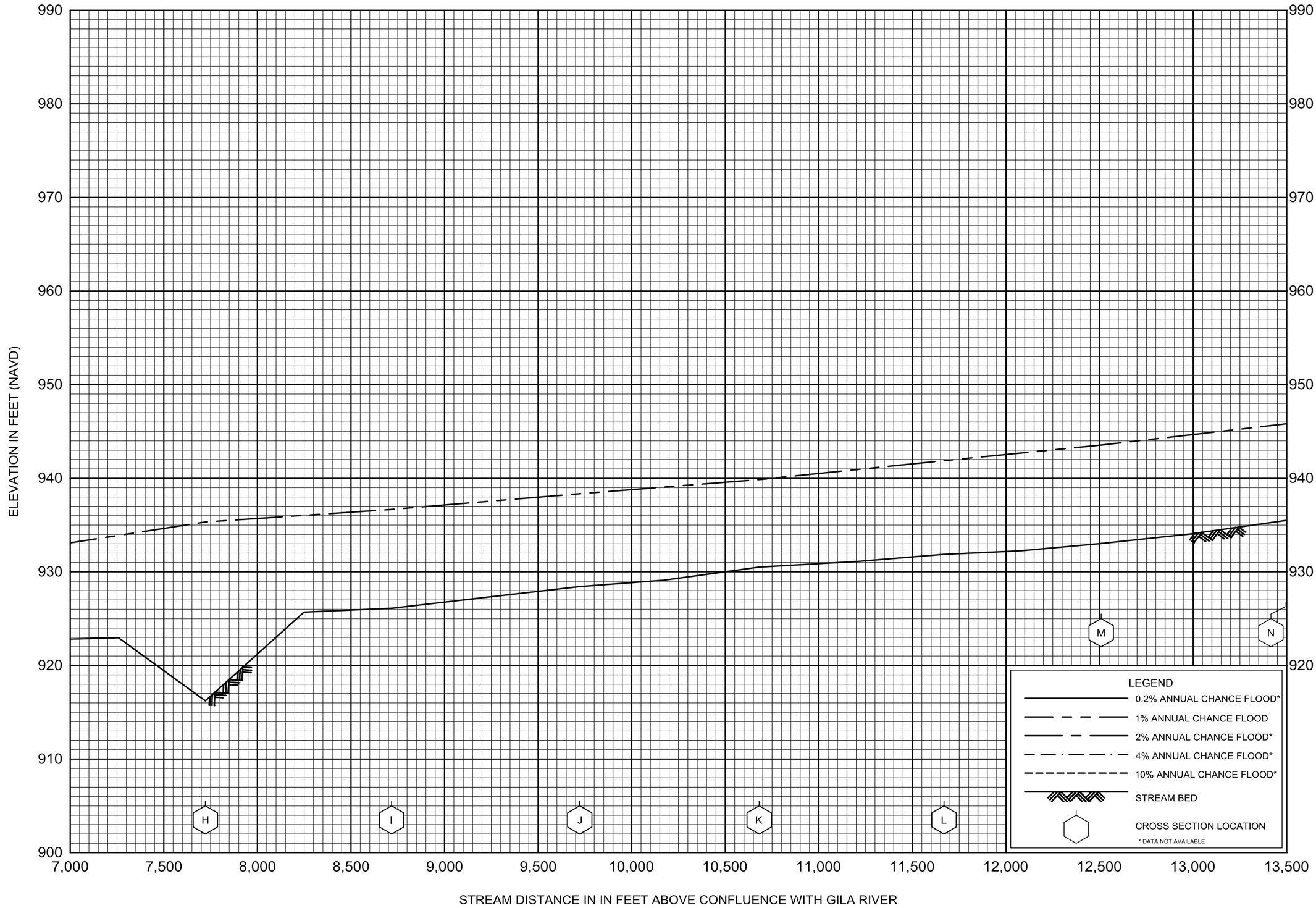
FLOOD PROFILES

AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS



FLOOD PROFILES

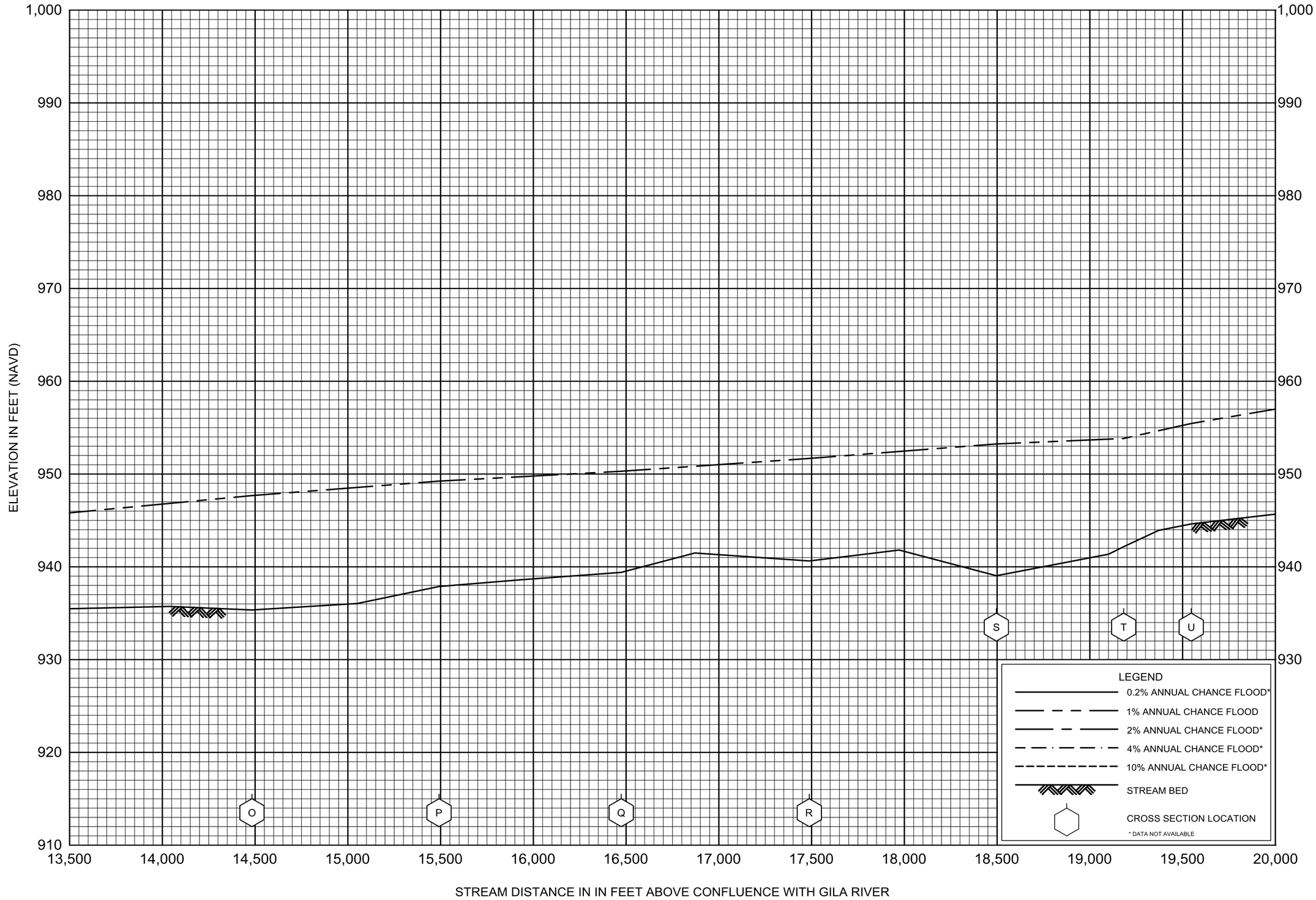
AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

09P



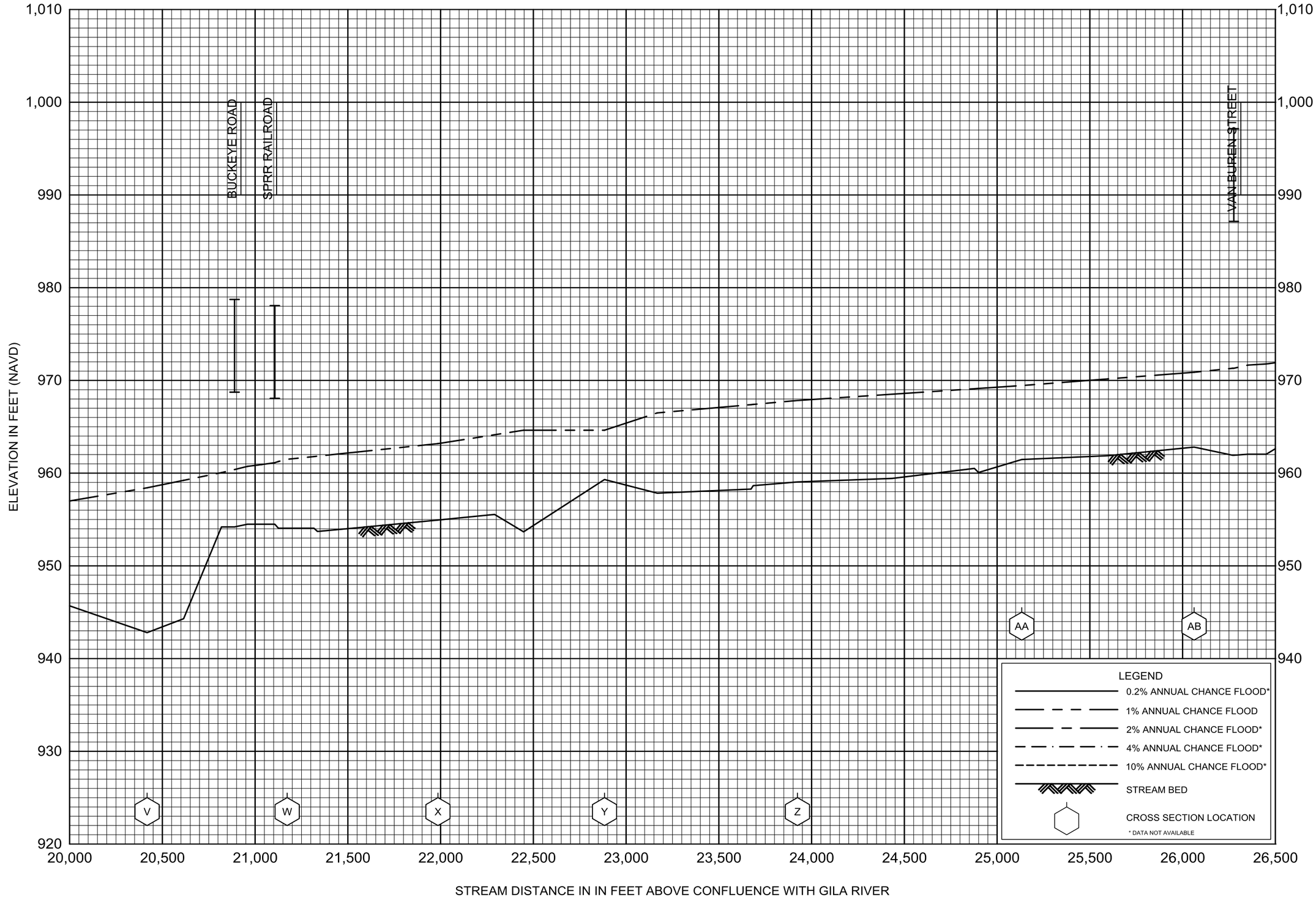
FLOOD PROFILES

AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS



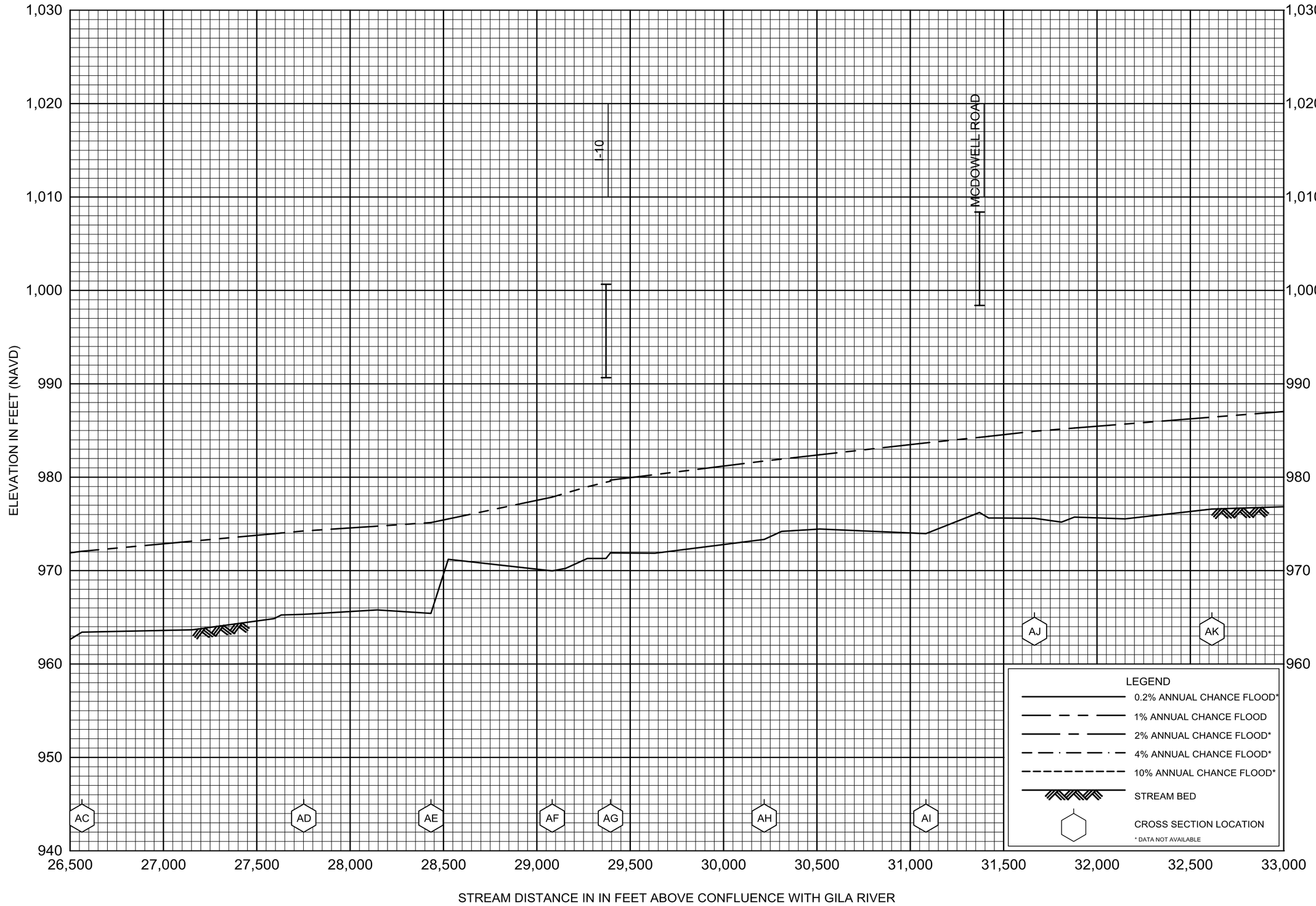
FLOOD PROFILES

AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS



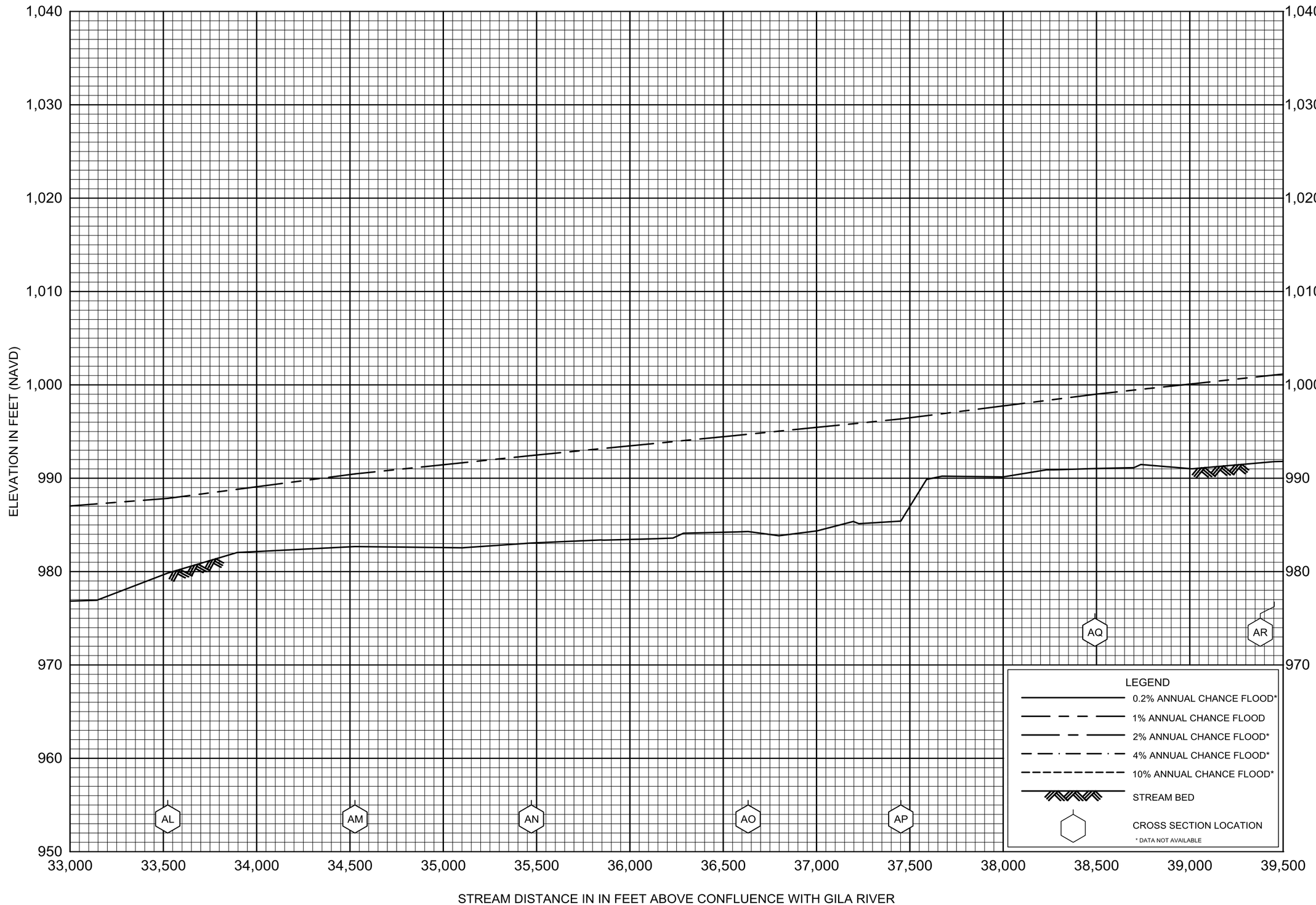
FLOOD PROFILES

AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS



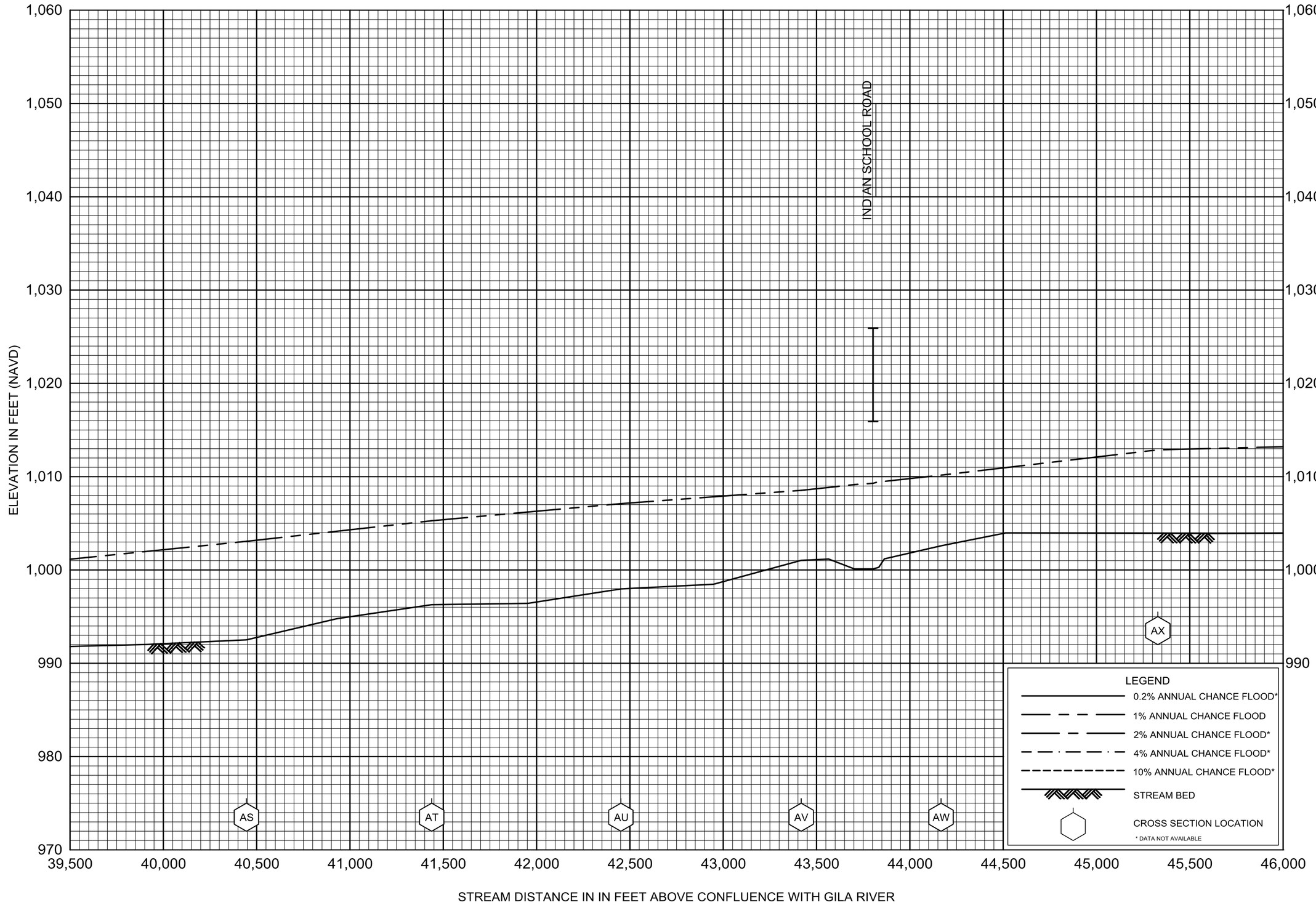
FLOOD PROFILES

AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS



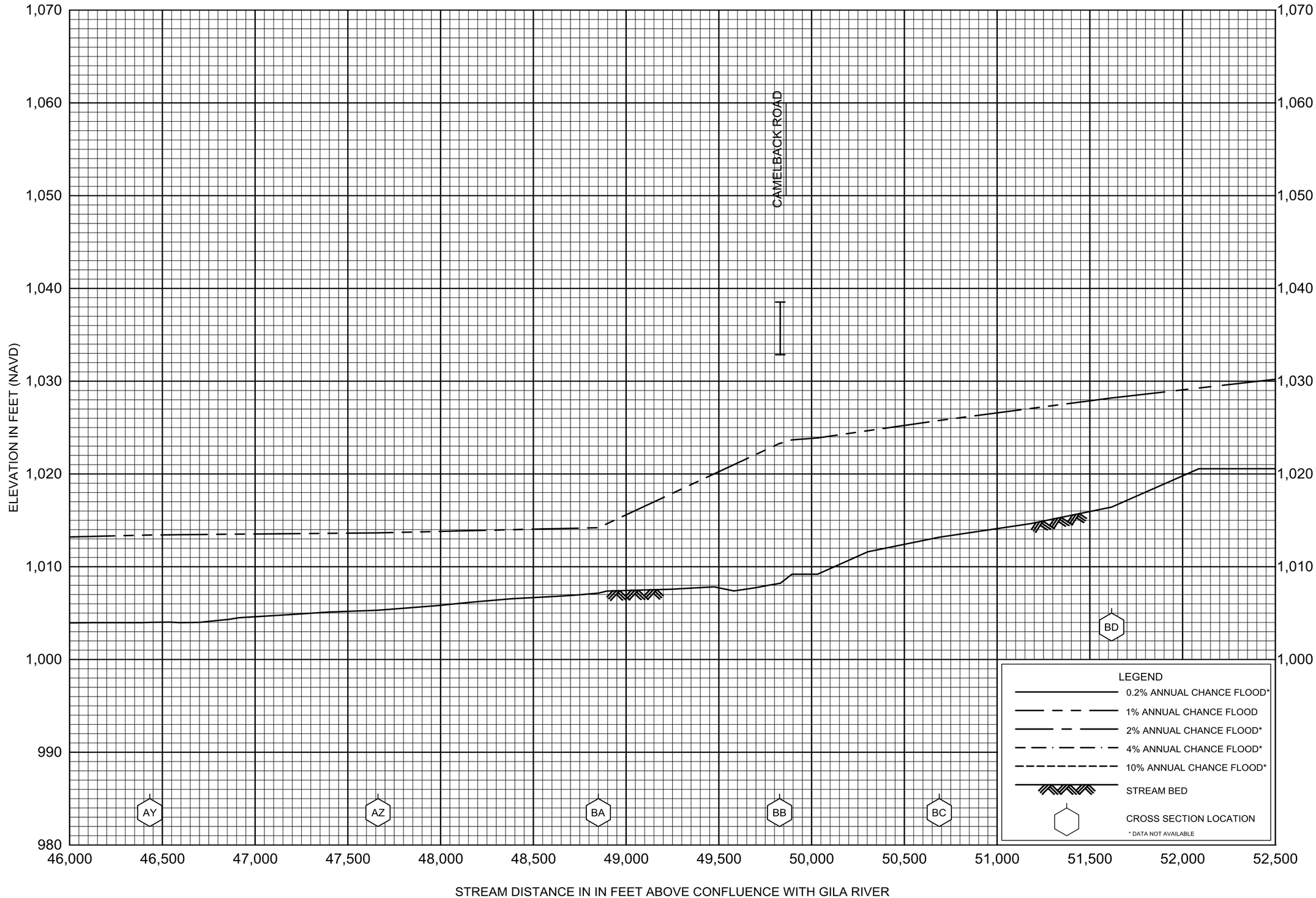
FLOOD PROFILES

AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS



FLOOD PROFILES

AGUA FRIA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS