

Flood Control District of Maricopa County, Arizona
APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF
WATERSHED "OO"
(FCD 2000C019)

Hassayampa River Tributaries & Lower Jackrabbit Wash Tributaries

TECHNICAL DATA NOTEBOOK
VOLUME 6 of 6 (Exhibits C & D)



Submitted by:

JE Fuller / Hydrology and Geomorphology, Inc.
6101 S. Rural Road, Suite 110
Tempe, Arizona 85283
(480) 752-2124

In Association With:

Wood, Patel & Associates, Inc. &
Argus Consulting

on behalf of:

Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, AZ 85009
(602) 506-1501

April, 2003

Flood Control District of Maricopa County, Arizona
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April, 2003

TABLE OF CONTENTS
VOLUME 6 OF 6 OF THE TDN

EXHIBITS

Exhibit C: Annotated Flood Insurance Rate Maps

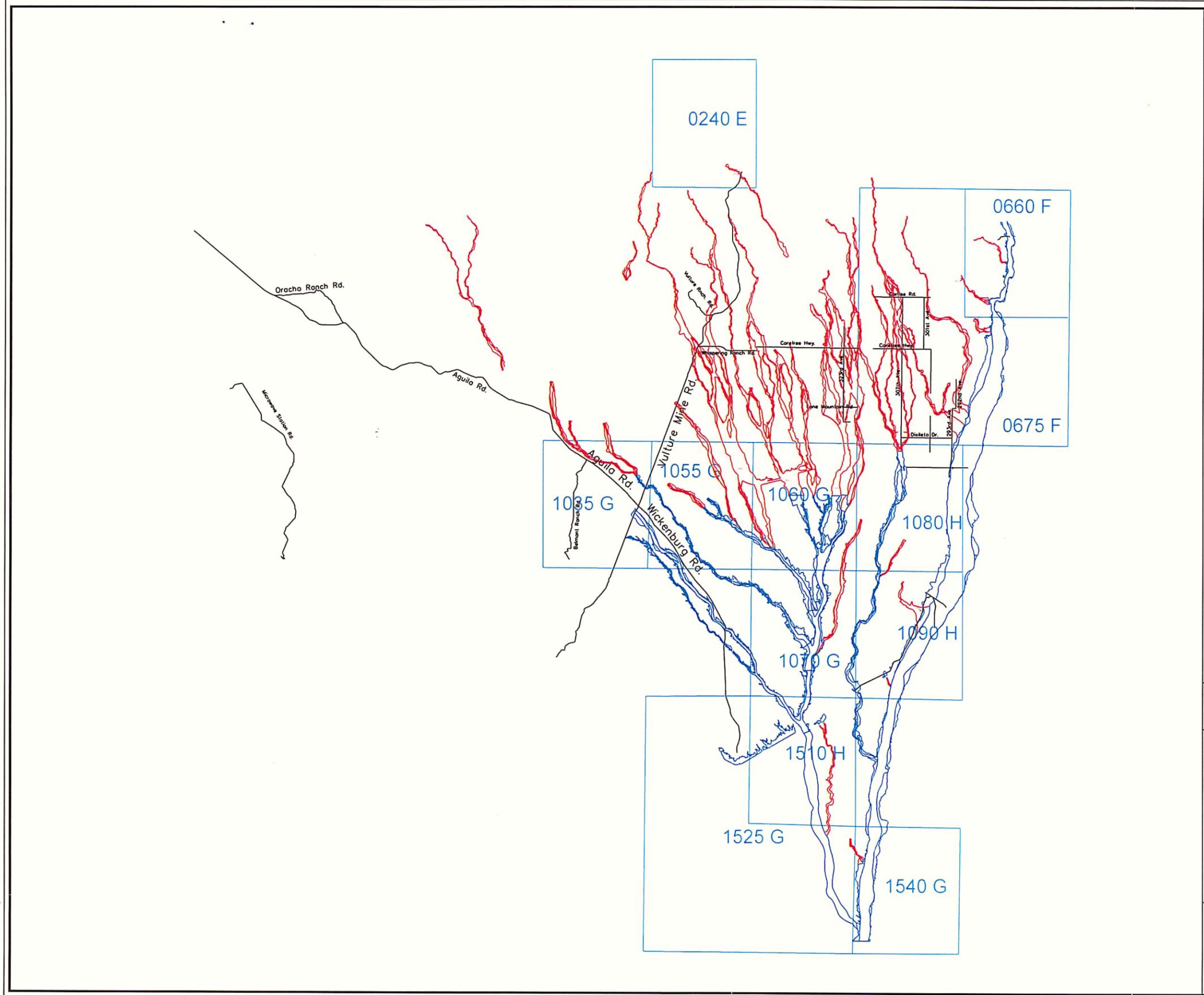
Exhibit D: Non-Riverine Flood Hazard Zones (Task 6.4 Work Map)



Brian R. Iserman

EXHIBIT C
ANNOTATED FLOOD INSURANCE RATE MAPS

*Approximate Zone A FDS of Watershed "OO", FCD 2000C019
Hassayampa River Tributaries & Lower Jackrabbit Wash Tributaries
JE Fuller/Hydrology & Geomorphology, Inc.*



LEGEND

EXISTING 100-YR FLOODPLAIN/ FLOODWAY BOUNDARY	
NEW 100-YR FLOODPLAIN/ FLOODWAY BOUNDARY	
FIRM Panel Boundaries	
Roads	

0660 F

FIRM PANEL INDEX
For FEMA Community ID 04013C

N

8000' 0' 8000' 1600'
SCALE IN FEET

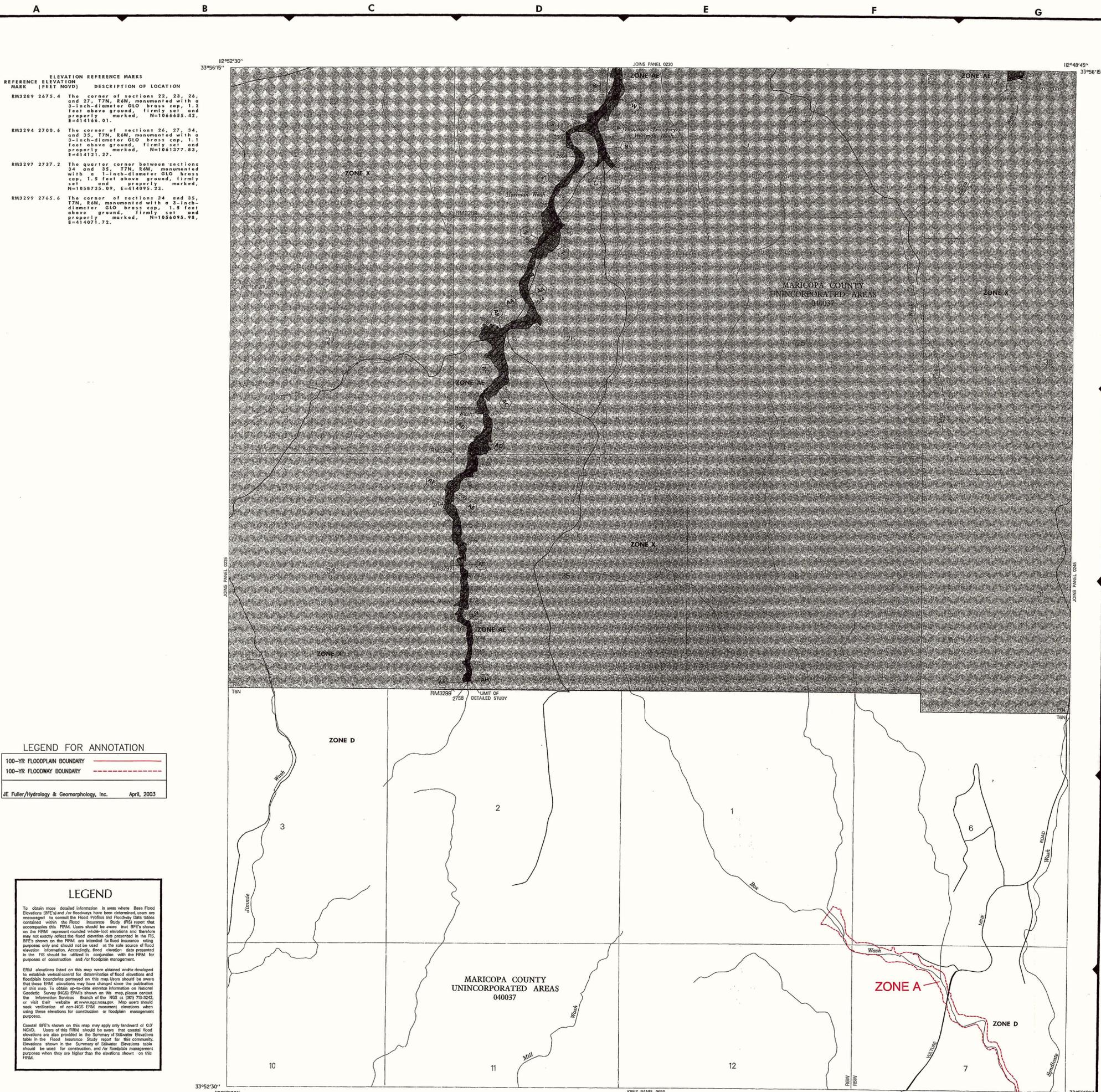
FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN
DELINEATION STUDY OF WATERSHED "00"
(JACKRABBIT WASH, FCD 2000C019)

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

April, 2003

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, LLC
TEMPE, ARIZONA - 480-752-2124



REFERENCE ELEVATION REFERENCE MARKS

MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM3289 2675.4		The corner of sections 22, 23, 26, and 27, T7N, R6W, monumented with a 3-inch-diameter GLO brass cap, 1.2 feet above ground, firmly set and properly marked, N=1066655.42, E=414166.01.
RM3294 2700.6		The corner of sections 26, 27, 34, and 35, T7N, R6W, monumented with a 3-inch-diameter GLO brass cap, 1.1 feet above ground, firmly set and properly marked, N=1061377.83, E=414121.27.
RM3297 2737.2		The quarter corner between sections 34 and 35, T7N, R6W, monumented with a 1-inch-diameter GLO brass cap, 1.5 feet above ground, firmly set and properly marked, N=1058735.09, E=4141895.33.
RM3299 2765.6		The corner of sections 34 and 35, T7N, R6W, monumented with a 3-inch-diameter GLO brass cap, 1.5 feet above ground, firmly set and properly marked, N=1056095.98, E=414071.72.

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	—
100-YR FLOODWAY BOUNDARY	- - -

J.E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFE's) and/or Floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data Tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRMs. Users should be aware that BFE's shown on the FIRMs represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFE's shown on the FIRMs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRMs for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained under development to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERM's shown on this map, please contact the Information Services Branch of the NGS at (301) 753-2042, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0 MHO. Users of this FIRMs should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRMs.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined; for areas of shallow fast flooding, velocities also determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined; for areas of shallow fast flooding, velocities also determined.
- ZONE APP** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood areas of 100-year flood with average depths of less than 1 foot, or with drainage areas less than 1 square mile, and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983	Identified 1990	Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Boundary Symbols:

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

Elevation and Reference Symbols:

- Base Flood Elevation Line, Elevation in Feet. See Map Index for Elevation Datum.
- Cross Section Line
- Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.
- Elevation Reference Mark
- River Mile

Horizontal Coordinates: 91°07'30", 32°22'30" (North American Datum of 1983 (NAD 83) Projection)

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small area, or all potential features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, AV, VE, and V.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show in scale. Refer to Floodway Data Tables where floodway width is shown at 100 feet.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resources System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1982 (P.L. 97-505).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index.

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 16, 1999

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6622.

APPROXIMATE SCALE IN FEET
1000 0 1000

CUM 240

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND UNINCORPORATED AREAS

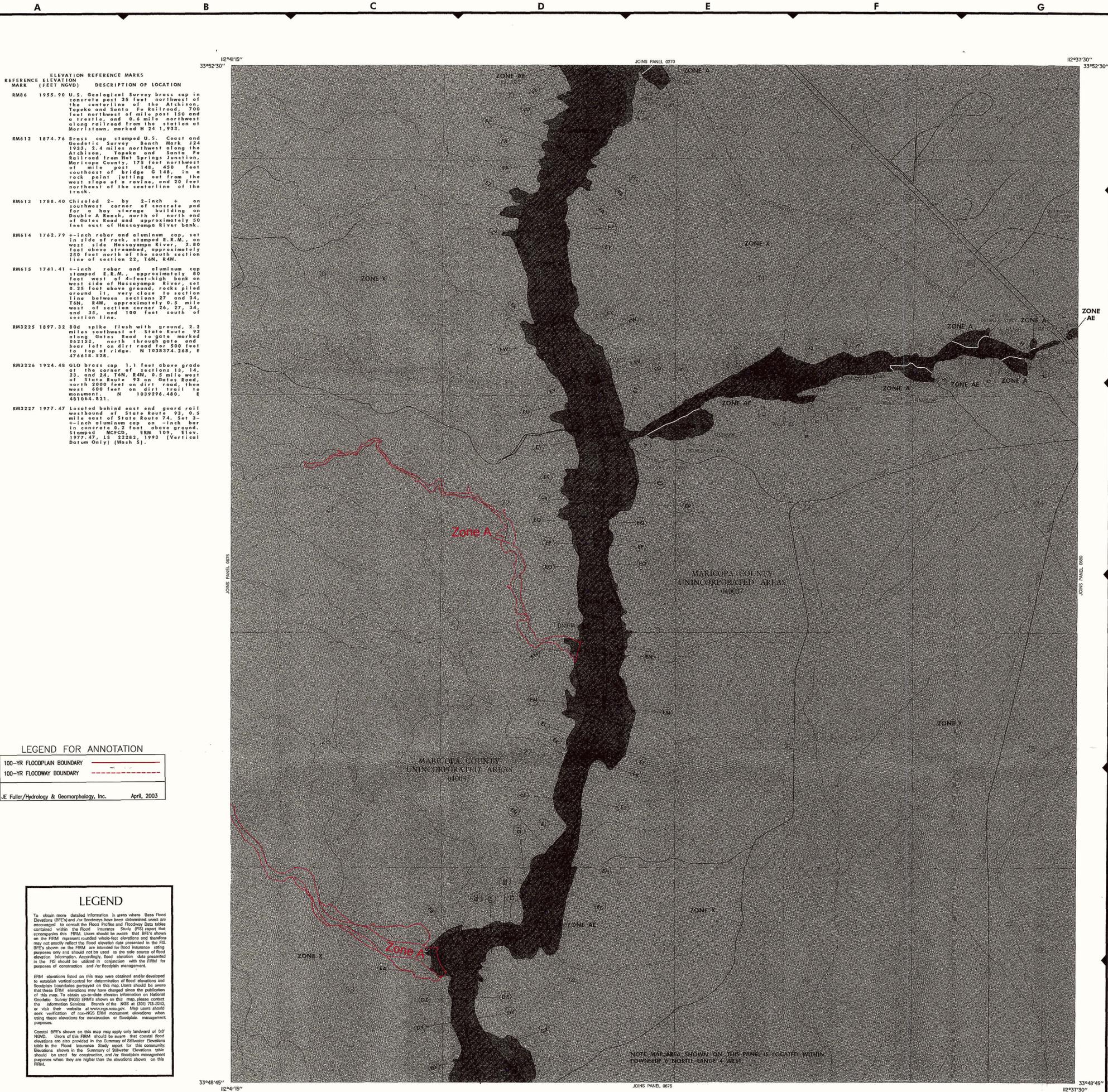
PANEL 240 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS COMMUNITY NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040027	0240 E

MAP NUMBER 04013C0240 E

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency



ELEVATION REFERENCE MARKS

MARK (FEET NGVD)	DESCRIPTION OF LOCATION
RM66 1955.90	U.S. Geological Survey brass cap in concrete post 35 feet northwest of the centerline of the Atchison, Topeka and Santa Fe Railroad 700 feet northwest of mile post 150 and a traverse, and 0.6 mile northwest along railroad from the station at Maricopa, marked H 24 1, 933.
RM612 1874.76	Brass cap stamped U.S. Coast and Geodetic Survey Bench Mark J24 1923, 2.4 miles northwest along the Atchison, Topeka and Santa Fe Railroad from Hot Springs Junction, Maricopa County, 175 feet northwest of mile post 148, 450 feet southeast of bridge G 148, in a rock point jutting out from the west slope of a ravine, and 20 feet northeast of the centerline of the track.
RM613 1788.40	Chisled 2 by 2-inch + on southwest corner of concrete pad for hay storage building on Double A Ranch, north of north end of Gates Road, and approximately 50 feet east of Hoesyampa River bank.
RM614 1762.79	1/2-inch rebar and aluminum cap, set in side of rock, stamped E.R.M., on west side Hoesyampa River, 2.80 feet above streambed, approximately 225 feet north of the south section line of section 22, T6N, R4W.
RM615 1741.41	1/2-inch rebar and aluminum cap stamped E.R.M., approximately 80 feet west of 4-foot-high bank on west side of Hoesyampa River, set 0.25 feet above ground, rocks piled around it, very close to section line between sections 27 and 24, T6N, R4W, approximately 0.5 mile west of section corner 26, 27, 24, and 35, and 100 feet south of section line.
RM3225 1897.32	800 spike flush with ground, 2.2 miles southwest of State Route 93 along Gates Road to gate marked 062152, north through gate and bear left on dirt road for 500 feet to top of ridge. N 1038274.269, E 476618.528.
RM3226 1924.48	GLO brass cap 1.1 feet above grade at the corner of sections 13, 14, 23, and 24, T6N, R4W, 0.5 mile west of State Route 93 on Gates Road, north 2000 feet on dirt road, then west 600 feet on dirt trail to monument. N 1039296.460, E 481064.821.
RM3227 1977.47	Located behind east end guard rail westbound of State Route 93, 0.5 mile east of State Route 74, set 3/4-inch aluminum cap on 1/2-inch bar in concrete 0.2 feet above ground. Stamped MCFD, ERM 109, Elev. 1977.47, LS 2282, 1993 (Vertical Datum Only) (Wash 5).

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	—
100-YR FLOODWAY BOUNDARY	- - -

J.E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFE's) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFE's shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFE's shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERM's shown on this map, please contact the Information Services Branch of the NGS at (202) 735-5042, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only to landward of 0.9' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Shallow Elevation table in the Flood Insurance Study report for this community. Conditions shown in the Summary of Shallow Elevation table should be used for construction, and for floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined; for areas of shallow fan flooding, velocities also determined.
- ZONE APP** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983	Identified 1990	Observed Protected Areas
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Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Boundaries

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
- Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.
- Cross Section Line
- Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.
- Elevation Reference Mark
- River Mile
- Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planned future areas outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, AV, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydrologic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Observed Protected Areas established under the Coastal Barrier Improvement Act of 1980 (PL 96-581).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY

Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:

APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:

SEPTEMBER 4, 1991

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6820.

APPROXIMATE SCALE IN FEET

1000 0 1000

MAP ROOM 0660F

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 660 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS	COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	066027	0660	F	

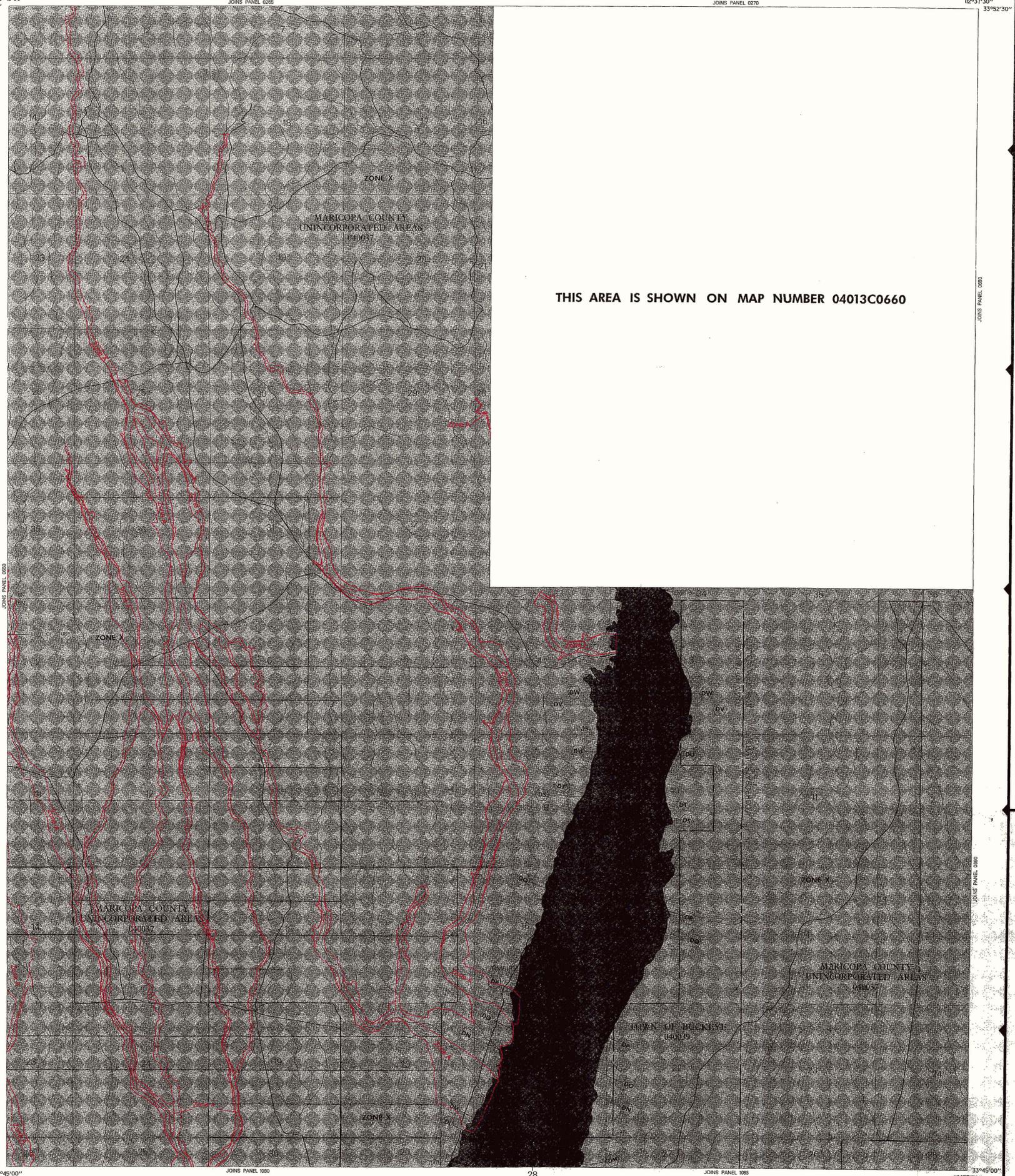
MAP NUMBER 04013C0660 F

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM616	1706.28	Chiseled 2- by 2-inch + on northwest corner of 3- by 2- by 0.5-foot-high concrete pad on well site, approximately 200 feet southwest of concrete tank, 15- by 15- by 4-feet high on east side of Hassayampa River at end of dirt road and approximately 450 feet north of south line section 34, T6N, R4W.
RM617	1675.28	Brass cap stamped U.S. General Land Office Survey 1916, 2-inch diameter, 0.8 foot above natural ground, corner of sections 3, 4, 9, and 10, T5N, R4W.
RM618	1643.32	Brass cap stamped U.S. General Land Office 1916, 2-inch diameter, 0.8 foot above natural ground, corner of sections 9, 10, 15, and 16, T5N, R4W.
RM619	1615.03	North edge of 6-foot pipe, 0.8 foot above natural ground at well site on west side Hassayampa River, north of horse corral in section 16, T5N, R4W (in southwest portion of sold section) along a dirt road approximately 1500 feet north of the south line of section 16.
RM620	1565.03	Brass cap stamped U.S. General Land Office, 1916, 2-inch diameter, 1.10 feet above natural ground, corner of sections 20, 21, 26, and 29, T5N, R4W.



THIS AREA IS SHOWN ON MAP NUMBER 04013C0660

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	---
100-YR FLOODWAY BOUNDARY	---

J.E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and Floodway Boundaries have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRI. Users should be aware that BFEs shown on the FIS are not necessarily the same as those shown on the FIS. BFEs shown on the FIS are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be used in conjunction with the FIS for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) benchmarks shown on this map, please contact the Information Services Branch of the NOS at (301) 713-2842, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map may apply only landward of 0.0' NGVD. Users of this FIRI should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRI.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponds); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of shallow fan flooding, vehicles also determined.
- ZONE APP** To be protected from 100-year flood by Federal flood protection systems under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with damage less than \$100 per square foot; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE X** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

- Identified 1983
- Identified 1990
- Observed Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary
Floodway Boundary
Zone D Boundary
Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones
Base Flood Elevation Line: Elevation in Feet. See Map Index for Elevation Datum.
Cross Section Line
Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.
Elevation Reference Mark
River Mile
Horizontal Coordinates Based on North American Datum of 1983 (NAD 83) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, AV, VE and V1-100.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydrologic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/200 scale.

Coastal limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if coastal limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resources System Units and/or Observed Protected Areas established under the Coastal Barrier Improvement Act of 1990 (P.L. 101-509).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 16, 1998

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1999

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6822.

APPROXIMATE SCALE IN FEET
2000 0 2000

CCM 675

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND UNINCORPORATED AREAS

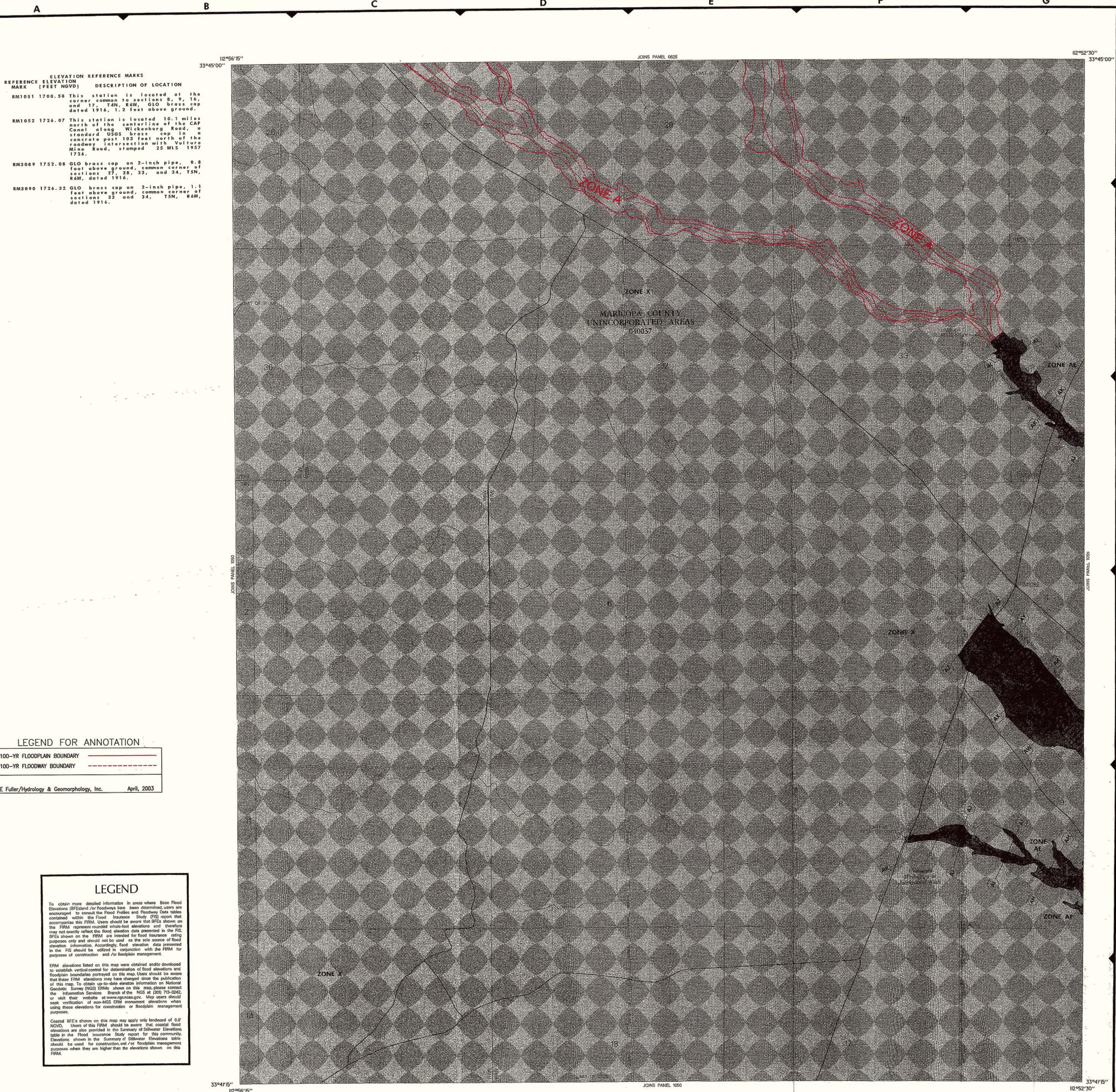
PANEL 675 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS COMMUNITY	NUMBER	PANEL	SUFFIX
BUCKEYE TOWN OF MARICOPA COUNTY UNINCORPORATED AREAS	040130	675	F
	040130	675	F

MAP NUMBER 04013C0675 F

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency



ELEVATION REFERENCE MARKS

REFERENCE ELEVATION MARK (FEET NGVD)	DESCRIPTION OF LOCATION
RM1051 1700.58	This station is located at the corner common to sections 8, 9, 16, and 17, T4N, R6W, GLO brass cap dated 1916, 1.2 feet above ground.
RM1052 1726.07	This station is located 10.1 miles north of the centerline of the CAP Canal along Wilkesburg Road, a standard USGS brass cap in a concrete post 100 feet north of the roadway intersection with Vulture Mine Road, stamped 25 WLS 1957 1726.
RM3069 1752.08	GLO brass cap on 2-inch pipe, 0.8 feet above ground, common corner of sections 27, 28, 33 and 34, T5N, R6W, dated 1916.
RM3090 1726.32	GLO brass cap on 2-inch pipe, 1.1 feet above ground, common corner of sections 33 and 34, T5N, R6W, dated 1916.

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	—
100-YR FLOODWAY BOUNDARY	- - - - -

JE Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) for floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on the map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map may apply only landward of 0.7' MVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATE BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined for areas of shallow fan flooding; velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE X** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified	Identified	Identified
1983	1990	1990

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Boundary Lines

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

Base Flood Elevation Line: Elevation in Feet. See Map Index for Elevation Datum.

Cross Section Line: Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum, Elevation Reference Mark.

RM7 X River Mile

M2 Horizontal Coordinates Based on North American Datum of 1983 (NAD 83) Projection.

97°07'30", 32°22'30"

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A99, AH, AD, AG, V, VE, and V1-V99.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydrologic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 100 feet.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-601).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For additional map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
DECEMBER 3, 1993, SEPTEMBER 30, 1995

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET

0 1000 2000

CLM 1035

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1035 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040037	1035	G

MAP NUMBER
04013C1035 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM2065 1521.96	1521.96	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar flush with ground, approximately 800 feet southwest of the north quarter of section 9, T4N, R5W.
RM2066 1567.54	1567.54	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar flush with ground, approximately 800 feet southwest of the north quarter of section 9, T4N, R5W.
RM2067 1548.40	1548.40	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a brass cap on 2-inch iron pipe approximately 1.3 feet above ground located at the northeast corner of section 16, T4N, R5W.
RM2068 1573.42	1573.42	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar flush with ground, approximately 800 feet south of the northeast corner of section 9, T4N, R5W.
RM2069 1609.79	1609.79	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar flush with ground, approximately 800 feet southwest of the northeast corner of section 5, T4N, R5W.
RM2070 1576.91	1576.91	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a brass cap on 2-inch iron pipe approximately 1.14 feet above ground located at the northeast corner of section 8, T4N, R5W.
RM2071 1580.03	1580.03	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a brass cap on 2-inch iron pipe approximately 0.85 feet above ground located at the northeast corner of section 9, T4N, R5W.
RM2072 1606.54	1606.54	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1-by-2-by-12-inch stake approximately 0.17 feet above ground located approximately 200 feet east of the northeast corner of section 4, T4N, R5W.
RM2073 1612.12	1612.12	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar flush with ground, approximately 800 feet southwest of the north quarter section 3, T4N, R5W.
RM2083 1564.27	1564.27	GLO brass cap on 1-inch pipe, 1.50 feet above ground, quarter corner common to sections 17 and 18, T4N, R5W, dated 1916.

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	---
100-YR FLOODWAY BOUNDARY	---

J.E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodway boundaries have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanied this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries presented on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Service Branch of the NSD at (202) 778-2042, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stormwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stormwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A No base flood elevations determined.
- ZONE AE Base flood elevations determined.
- ZONE AH Flood depths of 1 to 3 feet usually areas of ponding; base flood elevations determined.
- ZONE AO Flood depths of 1 to 3 feet usually sheet flow on sloping terrain; average depths determined; for areas of sheet flow flooding, velocities also determined.
- ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE X Areas determined to be outside 500-year floodplain.
- ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

- Identified 1992 Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.
- Identified 1990 Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.
- Otherwise Protected Areas

BOUNDARIES

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones
- Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones

BASE FLOOD ELEVATION

- Line: Flood Elevation in Feet for Elevation Datum.
- Circle: Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.
- RM7 Cross Section Line
- RM7 Elevation Reference Mark
- MZ River Mile

Horizontal Coordinates Based on North American Datum of 1983 (NAD 83) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from flood drainage sources of small size or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway determinations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard 100-year flood include Zones A, AE, A1-A9, AH, AO, A99, V, VE and X.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 200 feet.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1989 (P.L. 101-69).

For community map revision history prior to countywide mapping, see Section 8.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY

Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:

APRIL 15, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:

SEPTEMBER 30, 1995

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or the National Flood Insurance Program at (800) 638-6920.

APPROXIMATE SCALE IN FEET

1000 0 1000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1060 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040027	1060	0

MAP NUMBER
04013C1060 G

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency

REFERENCE ELEVATION MARK (FEET NGVD)	DESCRIPTION OF LOCATION
RM1042 1434.54	Station is located at the corner common to sections 3 and 6, T3N, R5W, and sections 32 and 33, T4N, R5W. Mark is a GLO brass cap dated 1915 and 0.40 foot above ground.
RM1043 1454.78	Station is located at the corner common to sections 3 and 6, T3N, R5W, and sections 31 and 32, T4N, R5W. Mark is a GLO brass cap dated 1915 and 0.9 foot above ground.
RM1186 1408.88	Station is located at the quarter corner common to sections 6, T3N, R5W, and sections 31 and 32, T4N, R5W. Mark is a GLO brass cap dated 1915.
RM1187 1462.95	Station is located at the quarter corner common to section 6, T3N, R5W, and sections 3, T4N, R5W. Mark is a GLO brass cap dated 1915.
RM2058 1451.32	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a railroad spike set flush located approximately 800 feet east-southeast on north quarter corner of section 33, T4N, R5W.
RM2059 1449.72	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a brass cap on 2-inch iron pipe approximately 0.67 feet above ground located at north quarter of section 33, T4N, R5W.
RM2060 1454.93	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a GLO brass cap on 2-inch iron pipe approximately 1.0 foot above ground located at the northeast corner of section 32, T4N, R5W, dated 1916.
RM2061 1453.56	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar approximately 0.10 foot above ground located north of steel tower power line approximately 700 feet north of north quarter of section 33, T4N, R5W.
RM2062 1485.08	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a brass cap on 2-inch iron pipe approximately 1.2 feet above ground located at the northeast corner of section 29, T4N, R5W.
RM2063 1486.12	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar flush with ground approximately 1000 feet south of the center of section 21, T4N, R5W.
RM2064 1508.49	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a brass cap on 2-inch iron pipe approximately 0.6 feet above ground located at the northeast corner of section 20, T4N, R5W.
RM2075 1440.21	Station is located approximately 20 miles south of Wickenburg on Vulture Mine Road to the intersection of Aguilera Road, south on Vulture Mine Road 4.5 miles to a fence and cattle guard, take track road east along south side of fence, mark is a 1/2-inch rebar approximately 0.06 feet above ground located approximately 800 feet east of the center of section 33, T4N, R5W, approximately 200 feet west of dirt road.
RM2076 1466.11	GLO brass cap on 1-inch pipe, 1.10 feet above ground, quarter corner common to sections 28 and 29, T4N, R5W, dated 1916.
RM2077 1489.61	GLO brass cap on 1-inch pipe, 1.25 feet above ground, quarter corner common to sections 28 and 29, T4N, R5W, dated 1916.
RM2078 1501.89	GLO brass cap on 2-inch pipe, 1.40 feet above ground, common corner of sections 17, 20, 29, and 30, T4N, R5W, dated 1916.
RM3095 1429.71	GLO brass cap at northeast corner of section 4, T3N, R5W.
RM3096 1418.32	GLO brass cap at the east quarter corner of section 4, T3N, R5W.
RM3097 1459.2	GLO brass cap at the northeast corner of section 33, T4N, R5W.
RM3098 1487.53	GLO brass cap at the north quarter corner of section 27, T4N, R5W.

LEGEND

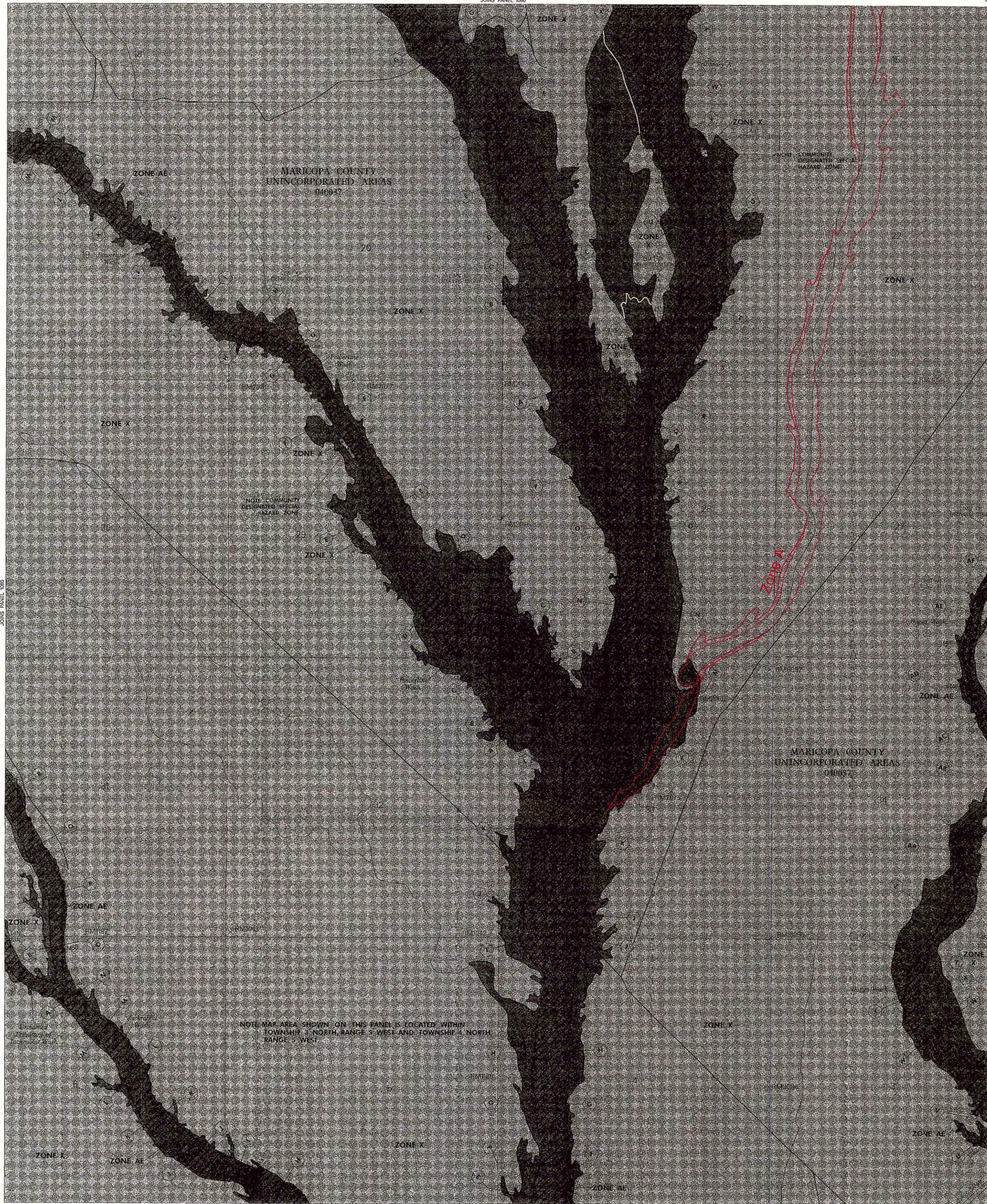
To obtain more detailed information in areas where Base Flood Elevations (BFEs) and Floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data Tables contained within the Flood Insurance Study (FIS) report that accompanied this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevations presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries presented on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geospatial Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (202) 755-2442 or visit their website at www.ngs.noaa.gov. Map users should seek verification of new/old ERM measured elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map may apply only to landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	---
100-YR FLOODWAY BOUNDARY	---
JE Fuller/Hydrology & Geomorphology, Inc. April, 2003	



LEGEND

- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**
- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain; average depths determined; for areas of at least fan flooding, velocities also determined).
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.
- UNDEVELOPED COASTAL BARRIERS**
- Identified 1983
- Identified 1990
- Identified 1990
- Coastal Barrier Areas normally located within or adjacent to Special Flood Hazard Areas.
- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones
- Base Flood Elevation Line; Elevation in Feet; See Map Index for Elevation Datum.
- Cross Section Line
- Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum. Elevation Reference Mark
- RM7 X
- M2
- River Mile
- Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, AV, VE, and V.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Tables where floodway widths are shown at 900 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Other Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-659).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For updating map panels and base map source see separately printed Map Index.

MAP REPOSITORY

Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:

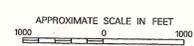
APRIL 15, 1998

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:

DECEMBER 3, 1992; SEPTEMBER 30, 1995

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6626.



1070 NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1070 OF 4350 (SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY NUMBER PANEL SUFFIX

MARICOPA COUNTY, ARIZONA 04013C1070 0

MAP NUMBER 04013C1070 G

MAP REVISED: JULY 19, 2001

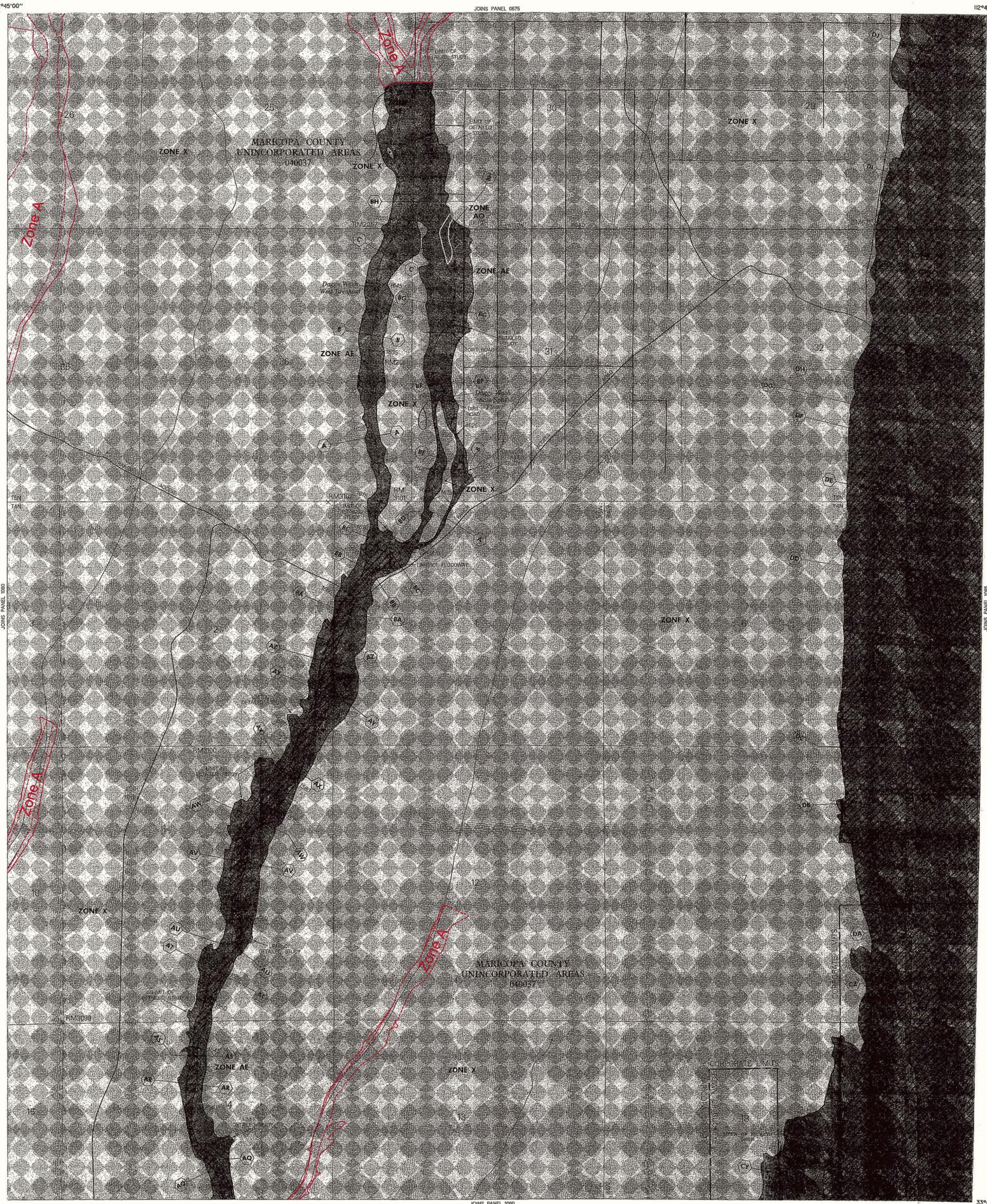


Federal Emergency Management Agency

A B C D E F G

ELEVATION REFERENCE MARKS

MARK	(FEET NGVD)	DESCRIPTION OF LOCATION
RM621	1537.12	Aluminum capped pin 0.3 mile north of intersection of River Road and Ogden (dirt road), approximately 20 feet west of dirt road, approximately 45 feet west of north-south fence line, approximately 20 feet south-southwest of 10-foot palo verde tree, approximately 20 feet northeast of 20-foot-high square with two arms.
RM2055	1640.29	GLO brass cap at the quarter corner common to sections 31 and 36, T5N, R5W.
RM2057	1655.09	GLO brass cap at the corner common to sections 25, 30, 31, and 36, T5N, R5W.
RM3099	1559.63	GLO brass cap at the northeast corner of section 15, T4N, R5W.
RM3100	1589.41	GLO brass cap in the north quarter corner of section 11, T4N, R5W.
RM3101	1615.00	GLO brass cap in the southeast corner of section 36, T5N, R5W.
RM3102	1627.26	GLO brass cap in the northeast corner of section 2, T4N, R5W.



LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	---
100-YR FLOODWAY BOUNDARY	---

J.E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and Floodway boundaries have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and floodplain management.

FIRM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these FIRM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) BFEs shown on this map, please contact the Information Service Branch at the NGS at (301) 732-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS BFE measurements when using these elevations for construction and floodplain management purposes.

Coastal BFEs shown on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these FIRM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) BFEs shown on this map, please contact the Information Service Branch at the NGS at (301) 732-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS BFE measurements when using these elevations for construction and floodplain management purposes.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined; for areas of sheet flow, flood velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1993	Identified 1996	Otherwise Protected
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Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodway Boundary

Floodplain Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevation Within Special Flood Hazard Zones.

Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

Cross Section Line

Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

Elevation Reference Mark

River Mile

97°07'30", 32°22'30"

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all pluvial features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway determinations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, A99, V, VE, and X.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the Floodways were computed at cross sections and interpolated between cross sections. The Floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 100 feet.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-58).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For additional map panels and base map source see separately printed Map Index.

MAP REPOSITORY

Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:

APRIL 15, 1998

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:

SEPTEMBER 4, 1991; DECEMBER 3, 1993; SEPTEMBER 30, 1995

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6500.

APPROXIMATE SCALE IN FEET

0 1000 1000

FIRM 1080

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1080 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS COMMUNITY	NUMBER	PANEL	SUFFIX
BUCKEYE TOWN OF MARICOPA COUNTY UNINCORPORATED AREAS	04030	1080	H
	04007	1080	H

MAP NUMBER 04013C1080 H

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

MARK	(FEET NGVD)	DESCRIPTION OF LOCATION
RM625	1418.17	Brass cap stamped U.S. Department of Interior, Bureau of Land Management Cadastral Survey, 1984, corner of sections 17, 18, 19, and 20, T4N, R4W, 0.15 feet above natural ground.
RM626	1390.53	Brass cap stamped Bureau of Land Management, 1985, corner of sections 19, 20, 29, and 30, T4N, R4W.
RM627	1373.26	U.S. Department of the Interior, Bureau of Land Management brass cap, west of CAP Canal, 0.55 foot above natural ground, stamped Section 30, AP22 T4N R4W TR39, 1985, approximately 2,850 feet south on a dirt road from the approximate north corner of section 30, T4N, R4W, and approximately 780 feet east of the dirt road.
RM628	1364.29	U.S. Department of the Interior, Bureau of Land Management brass cap, west of CAP Canal, 0.35 foot above natural ground, stamped Section 30, AP22 T4N R4W TR39, 1985, approximately 1000 feet north of the south section line of section 30, T4N, R4W, along dirt road, which is located approximately 500 feet west of the canal and approximately 50 feet east of the dirt road.
RM629	1364.15	U.S. Department of the Interior, Bureau of Land Management brass cap, 0.30 foot above natural ground, at east quarter corner of section 36, T4N, R5W.
RM630	1322.93	Aluminum capped pin stamped H.K., W.P. 80013, near south quarter corner of section 36, T4N, R5W.
RM1030	1440.49	Brass cap in northeast corner of center box culvert at Wagner Wash and Sun Valley Parkway, stamped 1442.00, near center of section 5, T3N, R4W.
RM3103	1402.24	GLO brass cap in the northeast corner of section 3, T3N, R5W.



LEGEND

- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**
- ZONE A** No base flood elevations determined.
 - ZONE AE** Base flood elevations determined.
 - ZONE AH** Flood depths of 1 to 3 feet (usually areas of pavings); base flood elevations determined.
 - ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined; for areas of alluvial fan flooding, velocities also determined.
 - ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
 - ZONE V** Coastal flood with velocity hazard (levee action); no base flood elevations determined.
 - ZONE VE** Coastal flood with velocity hazard (levee action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- ZONE X** Areas of 100-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile and areas protected by levees from 100-year flood.
- OTHER FLOOD AREAS**
- ZONE X** Areas determined to be outside 100-year floodway.
 - ZONE D** Areas in which flood hazards are undetermined.
- UNDEVELOPED COASTAL BARRIERS**
- Modified 1983
 - Modified 1990
 - Observed
- Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.
- BOUNDARIES**
- Floodplain Boundary
 - Floodway Boundary
 - Zone D Boundary
 - Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones
- EL ELEVATION**
- Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.
 - Cross Section Line
 - Base Flood Elevation in Feet Where Indicated Within Zone. See Map Index for Elevation Datum.
 - Elevation Reference Mark
 - River Mile
 - Horizontal Coordinates Based on North American Datum of 1983 (NAD 83) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on SFE's and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, AV, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 100 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resources System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (P.L. 101-691).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 10, 1988

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991; DECEMBER 3, 1993; SEPTEMBER 30, 1999

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

LEGEND FOR ANNOTATION

- 100-YR FLOODPLAIN BOUNDARY
- 100-YR FLOODWAY BOUNDARY

J.E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFE's) and/or Floodway have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRMA. Users should be aware that BFE's shown on the FIRMA represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFE's shown on the FIRMA are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data prepared in the FIS should be utilized in conjunction with the FIRMA for purposes of construction and/or floodplain management.

FIRMA elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these FIRMA elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) EBM's shown on this map, please contact the Information Services Branch of the NGS at (201) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS EBM elevation elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRMA should be aware that coastal flood elevations are also provided in the Summary of Elevation Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Elevation Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRMA.

CUM 1090

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1090 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:	COMMUNITY	NUMBER	PANEL	SUFFIX
	MARICOPA COUNTY, UNINCORPORATED AREAS	940000	0090	H
		098027	0891	H

MAP NUMBER
04013C1090.H

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM1039	1344.74	This station is located 3.9 miles east of Wickenburg Road along the north service road of the CAP Canal; mark is the northeast corner of a concrete headwall at the north inlet of a pipe culvert at CAP Station 561+30.
RM1040	1393.09	This station is located at the corner common to sections 4, 5, 6, and 9, T3N, R5W, mark is a GLO brass cap dated 1915 and is 0.6 foot above ground.
RM1041	1425.87	This station is located at the corner common to sections 5, 6, 7, and 8, T3N, R5W, mark is a GLO brass cap dated 1915 and is 1.3 feet above ground.

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	—
100-YR FLOODWAY BOUNDARY	- - - - -

E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and Floodway Data have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that incorporates the FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (303) 733-2042, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM measurement elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map may apply only to landward of 0.7 NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Distinctive Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Distinctive Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 3 NORTH-RANGE 2 WEST.

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined, for area of minimal flow flooding, velocities also determined.
- ZONE AP99** To be protected from 100-year flood by Federal flood protection systems under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE X** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified	Observed
1993	1990

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Boundaries:

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

Elevations:

- Base Flood Elevation Line: Elevation in Feet. See Map Index for Elevation Datum.
- Cross Section Line: Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum, Elevation Reference Mark.
- River Mile: River Mile

Horizontal Coordinates Based on North American Datum of 1983 (NAD 83) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage courses of small size, or all planimetric features outside Special Flood Hazard Areas. This community map repository should be consulted for more detailed data on BFEs, and for any information on floodway delineations prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, AP, AP99, V, VE, and X.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 100 inch.

Corporate limits shown are current as of the date of this map. The user should consult appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resources System Units and/or Other Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-589).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY

Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:

APRIL 15, 2008

EFFECTIVE DATES OF REVISIONS TO THIS PANEL:

SEPTEMBER 4, 2009; DECEMBER 3, 1993; SEPTEMBER 30, 1995

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET

0 1000 2000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

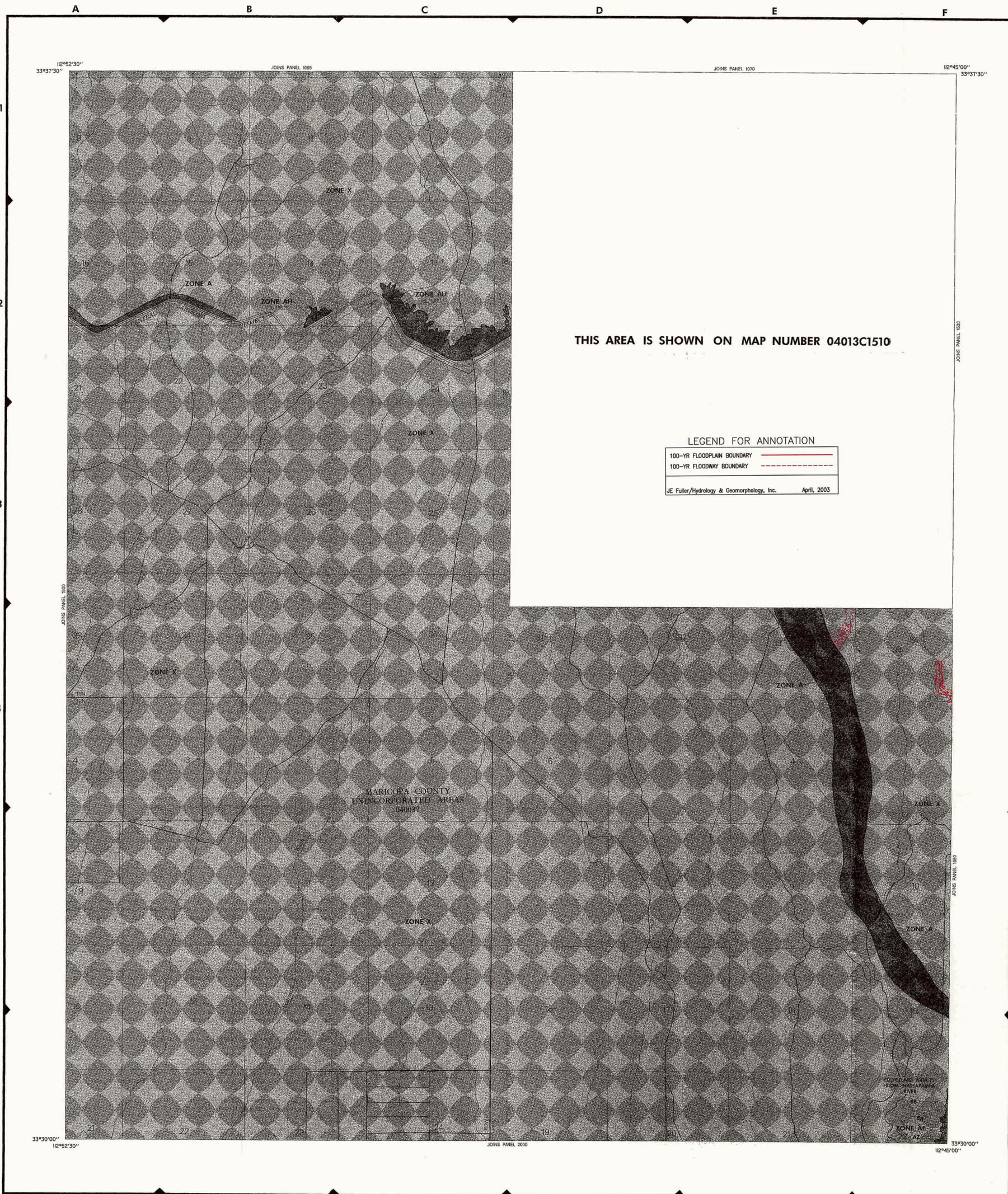
PANEL 1510 OF 450
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040027	1510	H

MAP NUMBER 04013C1510 H

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency



THIS AREA IS SHOWN ON MAP NUMBER 04013C1510

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	—————
100-YR FLOODWAY BOUNDARY	- - - - -

JE Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined; for areas of unusual flow flooding, velocities also determined.
- ZONE APP** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE X** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

- Identified 1982
- Identified 1998
- Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Boundary Symbols

- Floodplain Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

Elevation Symbols

- Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.
- Cross Section Line
- Base Flood Elevation in Feet Within Uniform Water Zone. See Map Index for Elevation Datum.
- Elevation Reference Mark
- River Mile

Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all pluvial features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on IFEs, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AI, AO, AH, AD, AV, V, VE and VI-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-661).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 15, 1998

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1991 DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations, to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET

2000 0 2000

1525

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1525 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:	COMMUNITY	NUMBER	PANEL	SUFFIX
	MARICOPA COUNTY, INCORPORATED AREAS	040257	1525	G

MAP NUMBER 04013C1525 G

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

A B C D E F G

ELEVATION REFERENCE MARKS

MARK (FEET NGVD)	DESCRIPTION OF LOCATION
RM636 1201.34	U.S. General Land Office brass cap, corner of sections 35 and 36, T2N, R2W, and sections 1 and 2, T2N, R2W, 1.10 feet above natural ground.
RM637 1157.10	U.S. General Land Office brass cap, corner of sections 2, 3, 10, and 11, T2N, R2W (brass cap is incorrectly stamped T1N), 1 foot above natural ground.
RM638 1146.47	U.S. General Land Office brass cap, quarter corner of sections 10 and 11, T2N, R2W, 0.5 foot above natural ground.
RM639 1136.15	U.S. General Land Office brass cap, corner of sections 10, 11, 15, and 14, T2N, R2W, 0.3 foot above natural ground.
RM640 1115.29	U.S. General Land Office brass cap, corner of sections 14, 15, 22, and 23, T2N, R2W, 0.2 foot above natural ground.
RM3344 1236.44	U.S. General Land Office brass cap identified as section corner, T2N, R2W, approximately 0.9 foot above the ground surface.
RM3345 1273.93	U.S. General Land Office brass cap identified as 1/4 corner of sections 7, 17, and 18, approximately 0.9 foot above the ground surface.
RM3347 1258.23	U.S. General Land Office brass cap identified as section corner, sections 1, 2, 12, and 13, approximately 0.8 foot above the ground surface.
RM3348 1280.18	U.S. General Land Office brass cap identified as 1/4 corner of sections 6 and 7, approximately 0.9 foot above the ground surface.
RM3349 1301.69	U.S. General Land Office brass cap identified as section corner, sections 5, 6, 7, and 8, approximately 0.9 foot above the ground surface.



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet usually areas of ponding; base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet usually sheet flow on sloping terrain; average depths determined; for areas of short run flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

- Identified 1983
- Identified 1990
- Observed

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary
Floodway Boundary
Zone D Boundary
Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones
Base Flood Elevation Line: Elevation in Feet. See Map Index for Elevation Datum.
Cross Section Line
Base Flood Elevation in Feet (When Datum Within Zone, See Map Index for Elevation Datum, Elevation Reference Mark)
River Mile
Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

97°07'30", 32°22'30"

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. Community map repository should be consulted for more detailed data on BE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-AB, AH, AO, AV, VE and VI-120.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 120 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and/or Observed Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-685).

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:
APRIL 16, 1999

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 4, 1994; DECEMBER 3, 1993

Map revised July 19, 2001 to update corporate limits, to change base flood elevations to add base flood elevations, to add Special Flood Hazard Areas, to change Special Flood Hazard Areas, to change zone designations, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

LEGEND FOR ANNOTATION

100-YR FLOODPLAIN BOUNDARY	—
100-YR FLOODWAY BOUNDARY	- - - - -

J.E. Fuller/Hydrology & Geomorphology, Inc. April, 2003

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-2542, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

MAP ROOM 1540G

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 1540 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS COMMUNITY	NUMBER	PANEL	SUPPL.
BUCKEYE TOWN OF MARICOPA COUNTY, UNINCORPORATED AREAS	040039	1540	G
	040037	1540	G

MAP NUMBER 04013C1540 G

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency

EXHIBIT D
NON-RIVERINE FLOOD HAZARD ZONES
(TASK 6.4 WORK MAP)

*Approximate Zone A FDS of Watershed "OO", FCD 2000C019
Hassayampa River Tributaries & Lower Jackrabbit Wash Tributaries
JE Fuller/Hydrology & Geomorphology, Inc.*

APPROXIMATE ZONE A
FLOODPLAIN DELINEATION
STUDY OF WATERSHED "OO"

NON-RIVERINE FLOOD
HAZARD ZONES
FCD 2000C019 Task 6.4

OCTOBER, 2002

LEGEND

— Zone Boundary

Scale
0 2500 5000 7500
1 Inch = 2,500 Feet

VICINITY

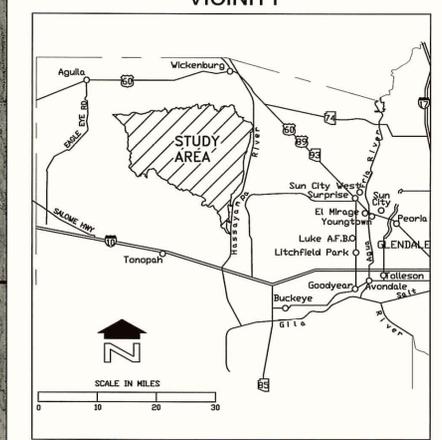


Figure 2. Study Area Overview



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