

National Flood Insurance Program

# Elevation Certificate and Instructions

2022 EDITION

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**FEMA**

## ELEVATION CERTIFICATE AND INSTRUCTIONS

### PAPERWORK REDUCTION ACT NOTICE

Public reporting burden for this data collection is estimated to average 3.75 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20742, Paperwork Reduction Project (1660-0008). **NOTE: Do not send your completed form to this address.**

### PRIVACY ACT STATEMENT

**Authority:** Title 44 CFR § 61.7 and 61.8.

**Principal Purpose(s):** This information is being collected for the primary purpose of documenting compliance with National Flood Insurance Program (NFIP) floodplain management ordinances for new or substantially improved structures in designated Special Flood Hazard Areas. This form may also be used as an optional tool for a Letter of Map Amendment (LOMA), Conditional LOMA (CLOMA), Letter of Map Revision Based on Fill (LOMR-F), or Conditional LOMR-F (CLOMR-F), or for flood insurance rating purposes in any flood zone.

**Routine Use(s):** The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/ FEMA-003 – *National Flood Insurance Program Files System of Records Notice 79* Fed. Reg. 28747 (May 19, 2014) and upon written request, written consent, by agreement, or as required by law.

**Disclosure:** The disclosure of information on this form is voluntary; however, failure to provide the information requested may impact the flood insurance premium through the NFIP. Information will only be released as permitted by law.

### PURPOSE OF THE ELEVATION CERTIFICATE

The Elevation Certificate is an important administrative tool of the NFIP. It can be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to inform the proper insurance premium, and to support a request for a LOMA, CLOMA, LOMR-F, or CLOMR-F.

The Elevation Certificate is used to document floodplain management compliance for Post-Flood Insurance Rate Map (FIRM) buildings, which are buildings constructed after publication of the FIRM, located in flood Zones A1–A30, AE, AH, AO, A (with Base Flood Elevation (BFE)), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, and A99. It may also be used to provide elevation information for Pre-FIRM buildings or buildings in any flood zone.

As part of the agreement for making flood insurance available in a community, the NFIP requires the community to adopt floodplain management regulations that specify minimum requirements for reducing flood losses. One such requirement is for the community to obtain the elevation of the lowest floor (including basement) of all new and substantially improved buildings, and maintain a record of such information. The Elevation Certificate provides a way for a community to document compliance with the community's floodplain management ordinance.

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. Only a LOMA or LOMR-F from the Federal Emergency Management Agency (FEMA) can amend the FIRM and remove the federal mandate for a lending institution to require the purchase of flood insurance. However, the lending institution has the option of requiring flood insurance even if a LOMA/LOMR-F has been issued by FEMA. The Elevation Certificate may be used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request. Lowest Adjacent Grade (LAG) elevations certified by a land surveyor, engineer, or architect, as authorized by state law, will be required if the certificate is used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request. A LOMA, CLOMA, LOMR-F, or CLOMR-F request must be submitted with either a completed FEMA MT-EZ or MT-1 application package, whichever is appropriate. If the certificate will only be completed to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request, there is an option to document the certified LAG elevation on the Elevation Form included in the MT-EZ and MT-1 application.

This certificate is used only to certify building elevations. A separate certificate is required for floodproofing. Under the NFIP, non-residential buildings can be floodproofed up to or above the BFE. A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE. Floodproofing of residential buildings is not permitted under the NFIP unless FEMA has granted the community an exception for residential floodproofed basements. The community must adopt standards for design and construction of floodproofed basements before FEMA will grant a basement exception. For both floodproofed non-residential buildings and residential floodproofed basements in communities that have been granted an exception by FEMA, a floodproofing certificate is required.

The expiration date on the form herein does not apply to certified and completed Elevation Certificates, as a completed Elevation Certificate does not expire, unless there is a physical change to the building that invalidates information in Section A Items A8 or A9, Section C, Section E, or Section H. In addition, this form is intended for the specific building referenced in Section A and is not invalidated by the transfer of building ownership.

Additional guidance can be found in FEMA Publication 467-1, *Floodplain Management Bulletin: Elevation Certificate*.

**ELEVATION CERTIFICATE**

**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A – PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name: <u>Samuel R. Midling</u> A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>28475 E. Squaw Peak Road</u>	Policy Number: _____ Company NAIC Number: _____
City: <u>Camp Verde</u> State: <u>AZ</u> ZIP Code: <u>86322</u>	
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <u>Yavapai County APN: 403-06-005J</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <u>Residential</u>	
A5. Latitude/Longitude: Lat. <u>34°30'07.21"N</u> Long. <u>111°57'04.25"W</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983 <input checked="" type="checkbox"/> WGS 84	
A6. Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8).	
A7. Building Diagram Number: <u>7</u>	
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s): <u>1,407.00</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of each enclosed area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>2</u> Engineered flood openings: <u>0</u> d) Total net open area of non-engineered flood openings in A8.c: <u>48.00</u> sq. in. e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): <u>0.00</u> sq. ft. f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): <u>48.00</u> sq. ft.	
A9. For a building with an attached garage: a) Square footage of attached garage: <u>392.00</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of the attached garage? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>0</u> Engineered flood openings: <u>0</u> d) Total net open area of non-engineered flood openings in A9.c: <u>0.00</u> sq. in. e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): <u>0.00</u> sq. ft. f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>0.00</u> sq. ft.	
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION	
B1.a. NFIP Community Name: <u>Yavapai County</u> B1.b. NFIP Community Identification Number: <u>040093</u>	
B2. County Name: <u>Yavapai CountyUnincorporated</u> B3. State: <u>AZ</u> B4. Map/Panel No.: <u>04025C2175</u> B5. Suffix: <u>G</u>	
B6. FIRM Index Date: <u>08/24/2021</u> B7. FIRM Panel Effective/Revised Date: <u>09/03/2010</u>	
B8. Flood Zone(s): <u>X(Shaded)</u> B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>4650 ft</u>	
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: <input type="checkbox"/> FIS <input type="checkbox"/> FIRM <input checked="" type="checkbox"/> Community Determined <input type="checkbox"/> Other: _____	
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____	
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA	
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:  
 28475 E. Squaw Peak Road

City: Camp Verde State: AZ ZIP Code: 86322

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

**SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)**

C1. Building elevations are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction  
 \*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: OPUS Report (See Attached) Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929  NAVD 1988  Other: \_\_\_\_\_

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used?  Yes  No  
 If Yes, describe the source of the conversion factor in the Section D Comments area.

Check the measurement used:

- |   |                 |  |
|---|-----------------|--|
| a) Top of bottom floor (including basement, crawlspace, or enclosure floor):  | <u>4,658.70</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| b) Top of the next higher floor (see Instructions):   | <u>4,665.50</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| c) Bottom of the lowest horizontal structural member (see Instructions):  | <u>0.00</u>     | <input type="checkbox"/> feet <input type="checkbox"/> meters            |
| d) Attached garage (top of slab):   | <u>6,460.90</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area): | <u>4,663.50</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| f) Lowest Adjacent Grade (LAG) next to building: <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Finished              | <u>4,658.90</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| g) Highest Adjacent Grade (HAG) next to building: <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Finished             | <u>4,664.80</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |
| h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:   | <u>4,658.00</u> | <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters |

**SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION**

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by state law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Check here if attachments and describe in the Comments area.

Certifier's Name: Thushari U.G. Ginige License Number: AZ PE 63980

Title: PE / Design Engineer

Company Name: SEC, Inc.

Address: 825 Cove Parkway

City: Cottonwood State: AZ ZIP Code: 86326

Signature:  Date: 08/22/2023

Telephone: (928) 634-5889 Ext.: 4218 Email: tginige@sec-landmgt.com



Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):

The elevation shown on C2.e is the bottom of an exterior AC unit.  
 The structure has two additional 24 sq.in. vents not within one foot of grade.

LOMR effective date: 11-30-2020 , case number: 20-09-0368P

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28475 E. Squaw Peak Road

City: Camp Verde

State: AZ

ZIP Code: 86322

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

**SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED)**  
**FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)**

For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.

Building measurements are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction

\*A new Elevation Certificate will be required when construction of the building is complete.

E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the appropriate boxes to show whether the measurement is above or below the natural HAG and the LAG.

a) Top of bottom floor (including basement, crawlspace, or enclosure) is: \_\_\_\_\_  feet  meters  above or  below the HAG.

b) Top of bottom floor (including basement, crawlspace, or enclosure) is: \_\_\_\_\_  feet  meters  above or  below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1–2 of Instructions), the next higher floor (C2.b in applicable Building Diagram) of the building is: \_\_\_\_\_  feet  meters  above or  below the HAG.

E3. Attached garage (top of slab) is: \_\_\_\_\_  feet  meters  above or  below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is: \_\_\_\_\_  feet  meters  above or  below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?  Yes  No  Unknown The local official must certify this information in Section G.

**SECTION F – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION**

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge*

Check here if attachments and describe in the Comments area.

Property Owner or Owner's Authorized Representative Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Comments: \_\_\_\_\_

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

28475 E. Squaw Peak Road

City: Camp Verde

State: AZ

ZIP Code: 86322

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

**SECTION G – COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNITY OFFICIAL COMPLETION)**

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign below when:

- G1.  The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2.a.  A local official completed Section E for a building located in Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item E5 is completed for a building located in Zone AO.
- G2.b.  A local official completed Section H for insurance purposes.
- G3.  In the Comments area of Section G, the local official describes specific corrections to the information in Sections A, B, E and H.
- G4.  The following information (Items G5–G11) is provided for community floodplain management purposes.
- G5. Permit Number: \_\_\_\_\_ G6. Date Permit Issued: \_\_\_\_\_
- G7. Date Certificate of Compliance/Occupancy Issued: \_\_\_\_\_
- G8. This permit has been issued for:  New Construction  Substantial Improvement
- G9.a. Elevation of as-built lowest floor (including basement) of the building: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G9.b. Elevation of bottom of as-built lowest horizontal structural member: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G10.a. BFE (or depth in Zone AO) of flooding at the building site: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member: \_\_\_\_\_  feet  meters Datum: \_\_\_\_\_
- G11. Variance issued?  Yes  No If yes, attach documentation and describe in the Comments area.

The local official who provides information in Section G must sign here. *I have completed the information in Section G and certify that it is correct to the best of my knowledge. If applicable, I have also provided specific corrections in the Comments area of this section.*

Local Official's Name: \_\_\_\_\_ Title: \_\_\_\_\_

NFIP Community Name: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Comments (including type of equipment and location, per C2.e; description of any attachments; and corrections to specific information in Sections A, B, D, E, or H):

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

28475 E. Squaw Peak Road

City: Camp Verde

State: AZ

ZIP Code: 86322

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

**SECTION H – BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES  
(SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)**

The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). **Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.**

H1. Provide the height of the top of the floor (as indicated in Foundation Type Diagrams) above the Lowest Adjacent Grade (LAG):

a) **For Building Diagrams 1A, 1B, 3, and 5–9.** Top of bottom \_\_\_\_\_  feet  meters  above the LAG floor (include above-grade floors only for buildings with subgrade crawlspaces or enclosure floors) is:

b) **For Building Diagrams 2A, 2B, 4, and 6–9.** Top of next \_\_\_\_\_  feet  meters  above the LAG higher floor (i.e., the floor above basement, crawlspace, or enclosure floor) is:

H2. Is **all** Machinery and Equipment servicing the building (as listed in Item H2 instructions) elevated to or above the floor indicated by the H2 arrow (shown in the Foundation Type Diagrams at end of Section H instructions) for the appropriate Building Diagram?

Yes  No

**SECTION I – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION**

The property owner or owner's authorized representative who completes Sections A, B, and H must sign here. *The statements in Sections A, B, and H are correct to the best of my knowledge.* **Note:** If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G.

Check here if attachments are provided (including required photos) and describe each attachment in the Comments area.

Property Owner or Owner's Authorized Representative Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Telephone: \_\_\_\_\_ Ext.: \_\_\_\_\_ Email: \_\_\_\_\_

Comments: \_\_\_\_\_

**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**  
**BUILDING PHOTOGRAPHS**  
See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:  
28475 E. Squaw Peak Road

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**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: Front View taken: 7-21-2023

Clear Photo One



Photo Two

Photo Two Caption: Rear View taken: 7-21-2023

Clear Photo Two



**ELEVATION CERTIFICATE**  
**IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19**  
**BUILDING PHOTOGRAPHS**

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:  
28475 E. Squaw Peak Road

City: Camp Verde State: AZ ZIP Code: 86322

**FOR INSURANCE COMPANY USE**

Policy Number: \_\_\_\_\_

Company NAIC Number: \_\_\_\_\_

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

Photo Three Caption: Left Side View taken: 7-21-2023

Clear Photo Three



Photo Four

Photo Four Caption: Right Side View taken: 7-21-2023

Clear Photo Four



## Federal Emergency Management Agency

Washington, D.C. 20472

### LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
<b>COMMUNITY</b>	Yavapai County Arizona (Unincorporated Areas)	<b>NO PROJECT</b>	<b>HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA</b>
	COMMUNITY NO.: 040093		
<b>IDENTIFIER</b>	Yavapai County Zone A Phase III	<b>APPROXIMATE LATITUDE AND LONGITUDE:</b> 34.586, -112.041 <b>SOURCE:</b> Google Earth Pro <b>DATUM:</b> NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*      NO.: 04025C2150G      DATE: September 3, 2010 TYPE: FIRM*      NO.: 04025C2175G      DATE: September 3, 2010 TYPE: FIRM*      NO.: 04025C2550G      DATE: September 3, 2010		NO REVISION TO THE FLOOD INSURANCE STUDY REPORT	

Enclosures reflect changes to flooding sources affected by this revision.  
\* FIRM - Flood Insurance Rate Map

#### FLOODING SOURCE AND REVISED REACH

See Page 2 for Additional Flooding Sources

Cherry Creek - from approximately 4,520 feet downstream of the confluence with Lyon Spring to approximately 860 feet upstream of the confluence with Bunker Spring

#### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Cherry Creek	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE

#### DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration



**Federal Emergency Management Agency**  
Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**COMMUNITY INFORMATION (CONTINUED)**

**OTHER FLOODING SOURCES AFFECTED BY THIS REVISION**

**FLOODING SOURCES AND REVISED REACHES**

Cienega Creek - from approximately 4,990 feet downstream of the confluence with Cedar Spring to approximately 220 feet upstream of F.S. 732 Road  
 Bunker Spring - from the confluence with Cherry Creek to approximately 950 feet upstream of the confluence with Cherry Creek  
 Cedar Spring - from the confluence with Cienega Creek to approximately 250 feet downstream of Highway 17  
 Cherry Cemetery - from the confluence with Cherry Creek to approximately 2,050 feet upstream of the confluence with Cherry Creek  
 Cherry King - from the confluence with Cherry Creek to approximately 1,420 feet upstream of the confluence with Cherry Creek  
 Grassy Mountain - from the confluence with Cienega Creek to approximately 1,890 feet upstream of Flower Pot Ranch Road  
 Grassy Overlook - from the confluence with Cienega Creek to approximately 810 feet upstream of the confluence with Cienega Creek  
 Mistake Tank - from the confluence with Cienega Creek to approximately 2,690 feet upstream of the confluence with Cienega Creek  
 Oxtail Draw - from the confluence with Cienega Creek to approximately 3,670 feet upstream of F.S. 9603F Road  
 Golden Idol - from the confluence with Cherry Creek to approximately 740 feet upstream of the confluence with Cherry Creek  
 Lyon Spring - from the confluence with Cherry Creek to approximately 930 feet upstream of the confluence with Cherry Creek  
 Red Horse Spring - from the confluence with Cherry Creek to approximately 1,030 feet upstream of the confluence with Cherry Creek  
 Sunnybrook Mine - from the confluence with Cherry Creek to approximately 2,670 feet upstream of the confluence with Sunnybrook Tributary  
 Sunnybrook Tributary - from the confluence with Sunnybrook Mine to approximately 980 feet upstream of the confluence with Sunnybrook Mine  
 Tunnel Spring - from the confluence with Cherry Creek to approximately 2,410 feet upstream of the confluence with Cherry Creek

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration



## Federal Emergency Management Agency

Washington, D.C. 20472

### LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

#### COMMUNITY INFORMATION (CONTINUED)

Flooding Source	SUMMARY OF REVISIONS			
	Effective Flooding	Revised Flooding	Increases	Decreases
Cienega Creek	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
Bunker Spring	Zone X (unshaded)	Zone A	YES	NONE
	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
Cedar Spring	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE
	Zone A	Zone X (shaded)	YES	YES
Cherry Cemetery	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE
Cherry King	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
Grassy Mountain	Zone X (unshaded)	Zone A	YES	NONE
	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
Grassy Overlook	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE
	Zone A	Zone X (shaded)	YES	YES
Mistake Tank	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE
Oxtail Draw	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
Golden Idol	Zone X (unshaded)	Zone A	YES	NONE
	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
Lyon Spring	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

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Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**COMMUNITY INFORMATION (CONTINUED)**

Red Horse Spring	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
Sunnybrook Mine	Zone X (unshaded)	Zone A	YES	NONE
	Zone A	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone X (shaded)	YES	YES
Sunnybrook Tributary	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE
	Zone A	Zone X (shaded)	YES	YES
Tunnel Spring	Zone X (unshaded)	Zone X (shaded)	YES	YES
	Zone A	Zone X (shaded)	YES	YES
	Zone A	Zone A	YES	YES
	Zone X (unshaded)	Zone A	YES	NONE

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

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Engineering Services Branch  
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency  
Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**COMMUNITY INFORMATION**

**APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION**

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

**COMMUNITY REMINDERS**

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

A handwritten signature in black ink, appearing to read "Rick F. Sacbbit".

Patrick "Rick" F. Sacbbit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency  
Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Juliette Hayes  
Director, Mitigation Division  
Federal Emergency Management Agency, Region IX  
1111 Broadway, Suite 1200  
Oakland, CA 94607-4052  
(510) 627-7211

**STATUS OF THE COMMUNITY NFIP MAPS**

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panels and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

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Engineering Services Branch  
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency  
Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**PUBLIC NOTIFICATION OF REVISION**

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at [https://www.floodmaps.fema.gov/fhm/bfe\\_status/bfe\\_main.asp](https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp)

LOCAL NEWSPAPER

Name: *The Daily Courier*

Dates: July 24, 2020 and July 31, 2020

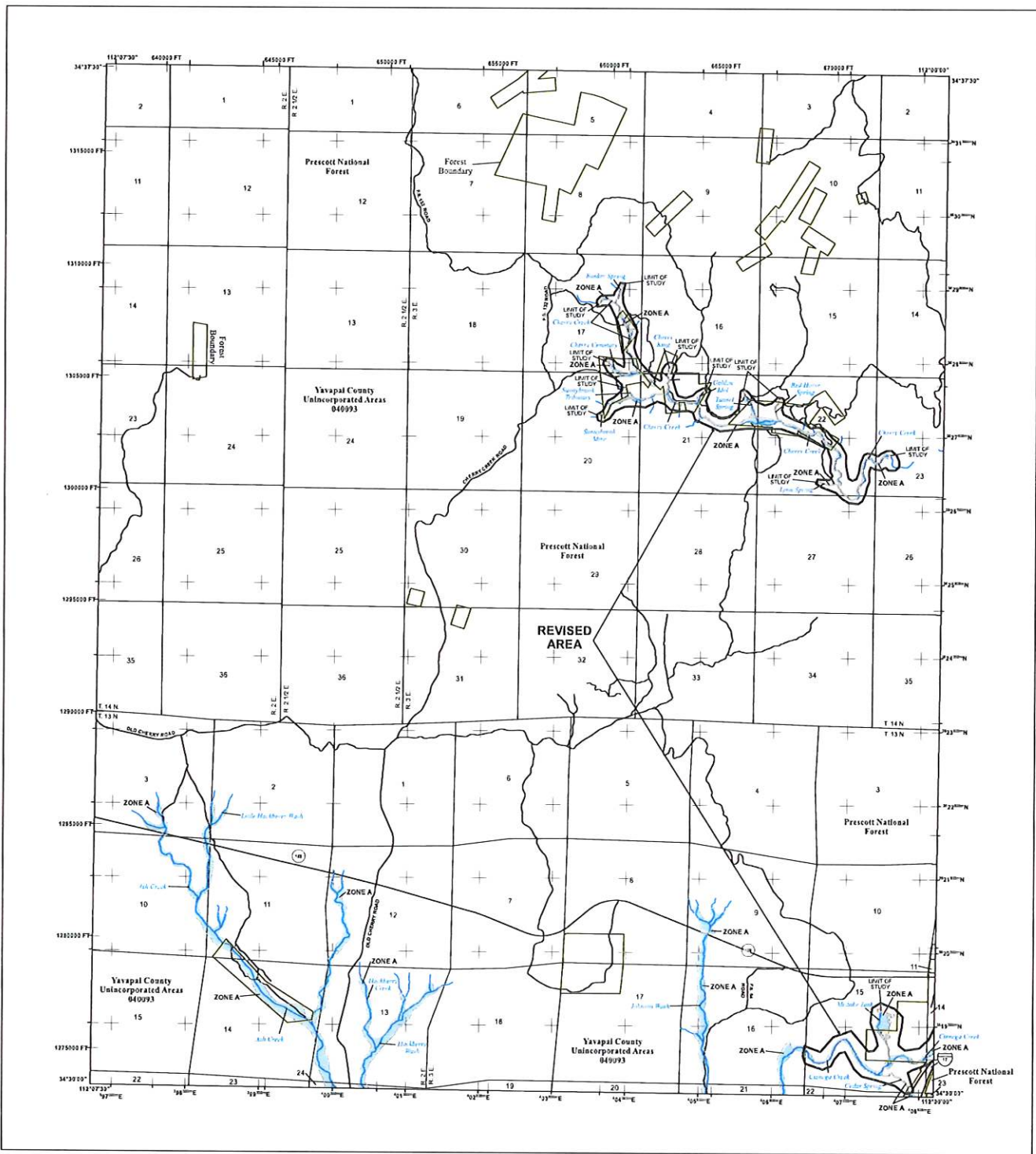
Within 90 days of the second publication in the local newspaper, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

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Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration





**FLOOD HAZARD INFORMATION**

SEE THE REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT  
 THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING  
 DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT  
[HTTPS://MSC.FEMA.GOV](https://msc.fema.gov)

- SPECIAL FLOOD HAZARD AREAS**
  - Without Base Flood Elevation (BFE) (Zone A)
  - With BFE or Depth (Zone A)
  - Regulatory Floodway
  - 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with average depth less than one foot or with drainage areas of less than one square mile (Zone A)
  - Future Conditions 1% Annual Chance Flood Hazard (Zone A)
  - Areas with Reduced Flood Risk due to Levee Sea Walls
  - Areas with Flood Risk due to Levee Breach
  - Area of Minimal Flood Hazard (Zone A)
  - Area of Undetermined Flood Hazard (Zone A)
- OTHER AREAS OF FLOOD HAZARD**
  - [NO SCREEN] Area of Minimal Flood Hazard (Zone A)
  - Area of Undetermined Flood Hazard (Zone A)
- OTHER AREAS**
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- GENERAL STRUCTURES**
  - 18.2 Cross Sections with 1% Annual Chance Water Surface Elevation
  - 17.8 Cross Section
  - Coastal Transect
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
  - Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary

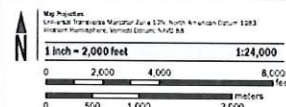
**NOTES TO USERS**

For information and questions about the Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including flood insurance, the Federal Flood Insurance Program (FFIP), please refer to the information in the National Flood Insurance Program (NFIP) or contact your local NFIP office. For more information, please visit [www.flood.gov](http://www.flood.gov) or visit the FEMA Flood Map Service Center website at [www.fema.gov](http://www.fema.gov). Additional products may include a previously issued Letter of Map Change or Flood Insurance Study Report, and a digital version of the map history if those products can be accessed or shared directly from a website.

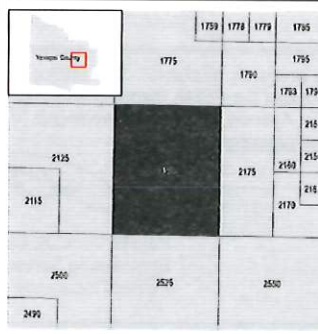
Coordinates are given in UTM projection. All coordinates are in meters. The datum used is the North American Datum of 1983 (NAD 83). The datum used for the FIRM is the North American Datum of 1983 (NAD 83). The datum used for the FIRM is the North American Datum of 1983 (NAD 83).

The community and countywide map data used in the Flood Insurance Study Report for the production of this map were provided by Yavapai County. The data produced in 2013, was provided in digital format at a scale of 1:12,500.

**SCALE**



**PANEL LOCATOR**



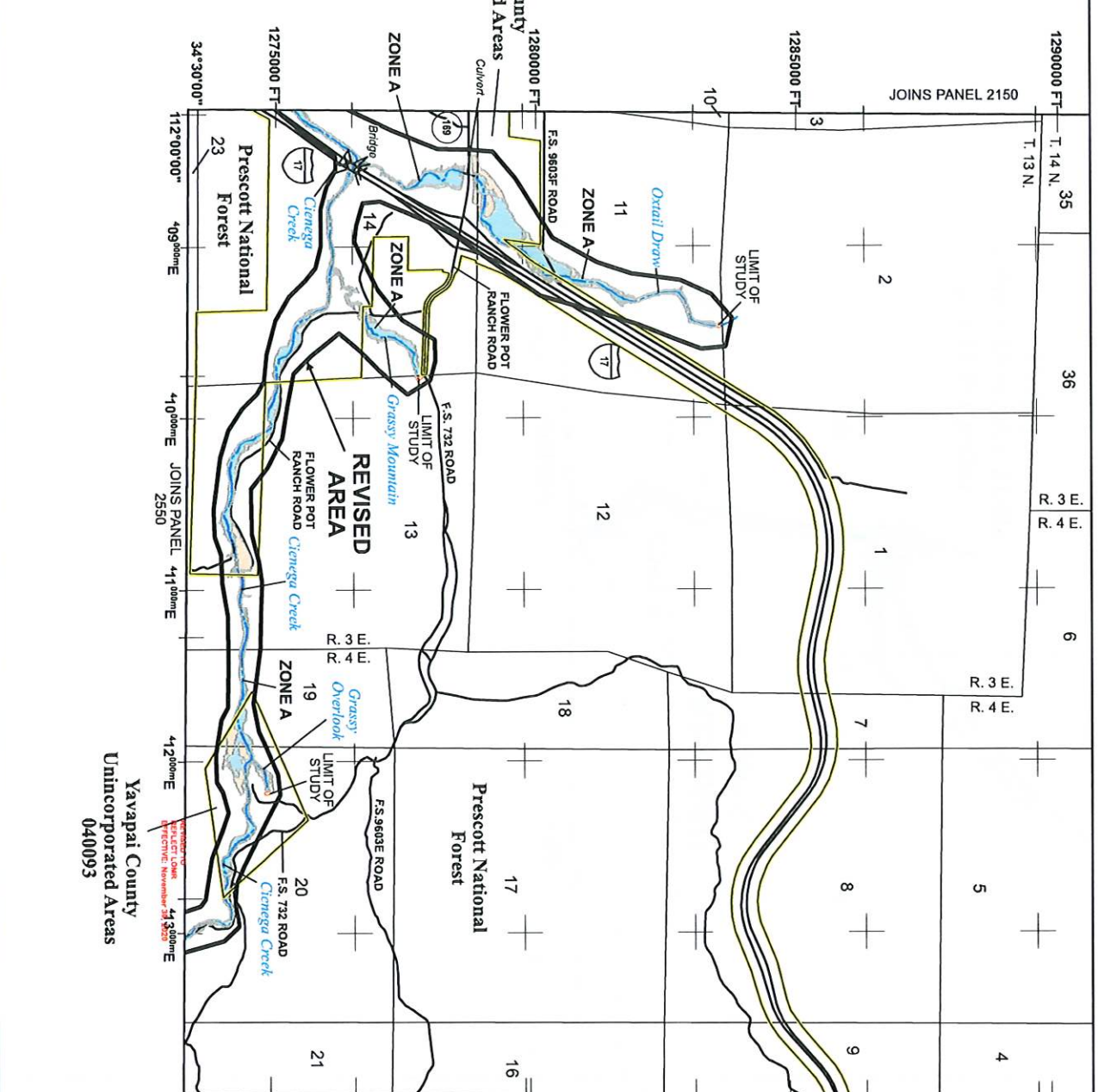
**FEMA**  
 National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
 FEDERAL DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

**YAVAPAI COUNTY, ARIZONA**  
 Incorporated Areas  
 PANEL 2150 of 3900

COMMUNITY NUMBER PANEL SUFFIX  
 YAVAPAI COUNTY 040993 2150 5

VERSION NUMBER  
 2.1.3.0  
 MAP NUMBER  
 04025C2150G  
 MAP REVISION  
 SEPTEMBER 3, 2010



**THIS AREA SHOWN AT A SCALE OF 1" = 1000' ON MAP NUMBER 04025C2170**

**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE) With BFE or Depth Zoning:** (Symbol: Blue wavy lines)
- Regulatory Floodway:** (Symbol: Yellow wavy lines)
- 0.2% Annual Chance Flood Hazard:** Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile.
- Future Conditions 1% Annual Chance Flood Hazard:** Area with Reduced Flood Risk due to Levees. See Notes.

**SCALE**

Map Distance:  
1 inch = 2,000 feet

Graphic Scale:  
0 1,000 2,000 4,000 Feet  
0 300 600 1,200 Meters

**FEMA National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP**

**YAVAPAI COUNTY, ARIZONA**

**PANEL 2175 of 3900**

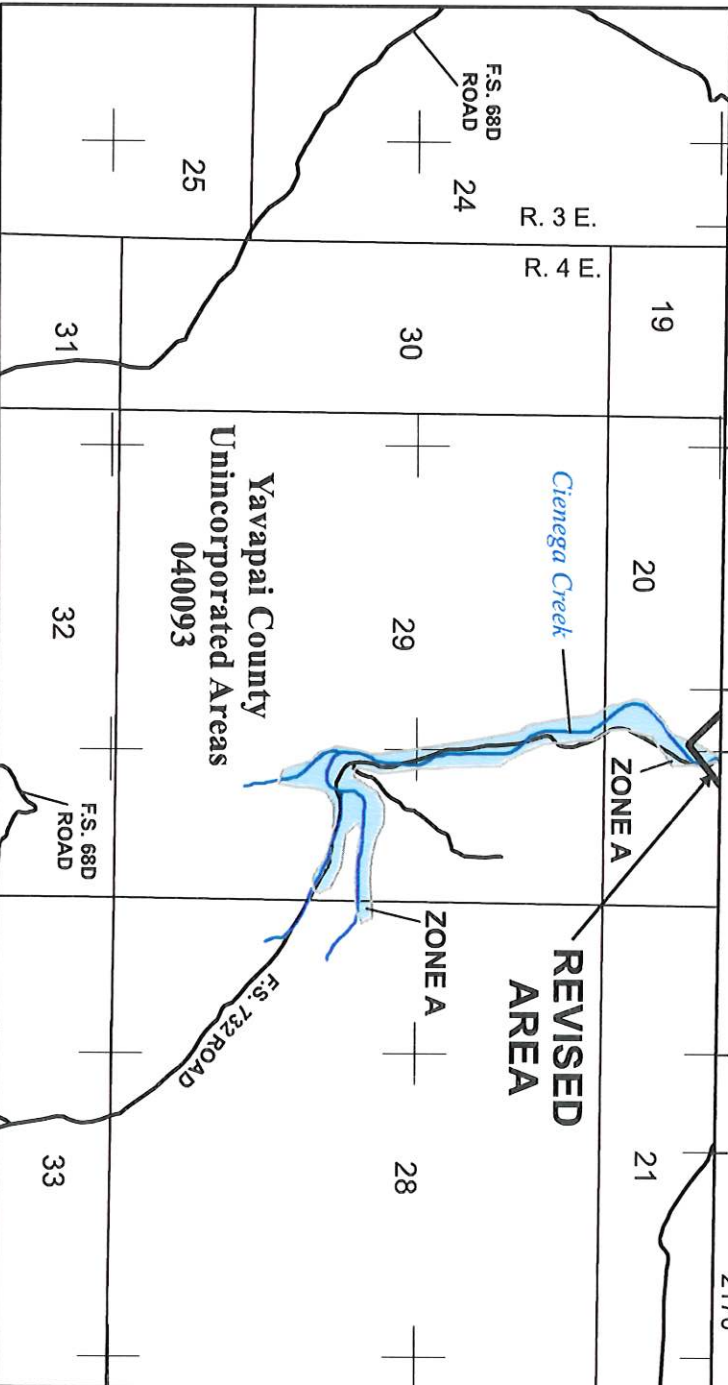
Community: **YAVAPAI COUNTY, ARIZONA**

Panel Number: **2175**

Version Number: **2.1.3.0**

Map Number: **04025C2175G**

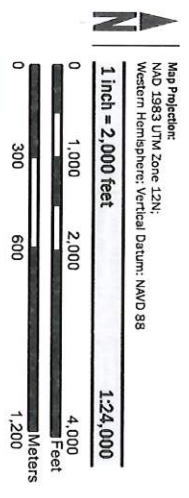
Map Revised: **SEPTEMBER 3, 2010**




685000 FT JOINS PANEL 2175 690000 FT 695000 FT JOINS PANEL 2170



**SCALE**




  
**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM**  
**FLOOD INSURANCE RATE MAP**  
**YAVAPAI COUNTY, ARIZONA**  
 and Incorporated Areas  
**PANEL 2550 of 3900**

Panel Contents:  
 COMMUNITY YAVAPAI COUNTY NUMBER 040093 PANEL SUFFIX 2550 G

**REVISED TO REFLECT LOMR EFFECTIVE: November 30, 2020**

VERSION NUMBER 2.1.3.0  
 MAP NUMBER 04025C2550G  
 MAP REVISED SEPTEMBER 3, 2010