

#### MOST RECENT INITIAL NFIP MAP INITIAL FIRM DATE FIRM PANEL DATE January 4, 1974 June 4, 2010 March 15, 1978 June 4, 2010 February 7, 1978 June 4, 2010 N/A June 4, 2010 June 4, 2010 August 8, 1975

This FIRM Index displays the map date for each FIRM panel at the time that this Index was printed. Because this Index may not be distributed to unaffected communities in subsequent revisions, users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website at http://msc.fema.gov or by calling the Map Service Center at 1-800-358-9616.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

#### NOTE TO USER

Future revisions to this FIRM Index will only be issued to communities that are located on FIRM panels being revised. This FIRM Index therefore remains valid for FIRM panels dated June 4, 2010 or earlier. Please refer to the "MOST RECENT FIRM PANEL DATE" column in the Listing of Communities table to determine the most recent FIRM index date for each community.

### MAP REPOSITORIES

(Map available for reference only, not for distribution.) EDDY COUNTY

(AND INCORPORATED AREAS): Administration Complex 101 West Greene Street Carlsbad, NM 88220

CITY OF ARTESIA Artesia Center 612 North 8th Street Artesia, NM 88221

CITY OF CARLSBAD Administrative Office 101 North Halagueno Street Carlsbad, NM 88221

VILLAGE OF HOPE City Hall 408 South 2nd Street Hope, NM 88250

VILLAGE OF LOVING

City Hall 501 West Cedar Street Loving, NM 88250

PROGRAM

MITIOINALL



### **MAP INDEX**

### **FIRM** FLOOD INSURANCE RATE MAP

EDDY COUNTY,

**NEW MEXICO** 

AND INCORPORATED AREAS

275, 300, 310, 325, 350, 375, 400, 425, 450, 475, 500, 525, 550, 575, 600, 625, 650, 700, 725, 750, 775, 800, 825, 850, 875, 950, 975, 1000, 1075, 1100, 1125, 1200, 1225, 1250, 1275, 1285, 1300, 1325, 1350, 1375 1450, 1475, 1500, 1525, 1550, 1575, 1600, 1625, 1650, 1700, 1725, 1750,

1775, 1800, 1825, 1850, 1875, 1900,



MAP NUMBER 35015CIND0A **EFFECTIVE DATE JUNE 4, 2010** 

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. The **community map repository** should be consulted for possible updated or additional flood hazard information.

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 and/or Summary of Stillwater Elevations 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. These BFEs 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 report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). 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 jurisdiction. 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.

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 National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was State Plane New Mexico East FIPS 3001. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <a href="http://www.ngs.noaa.gov/">http://www.ngs.noaa.gov/</a> or contact the National Geodetic Survey at the following

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by the Eddy County Geographical Information Systems and Rural Addressing Department.

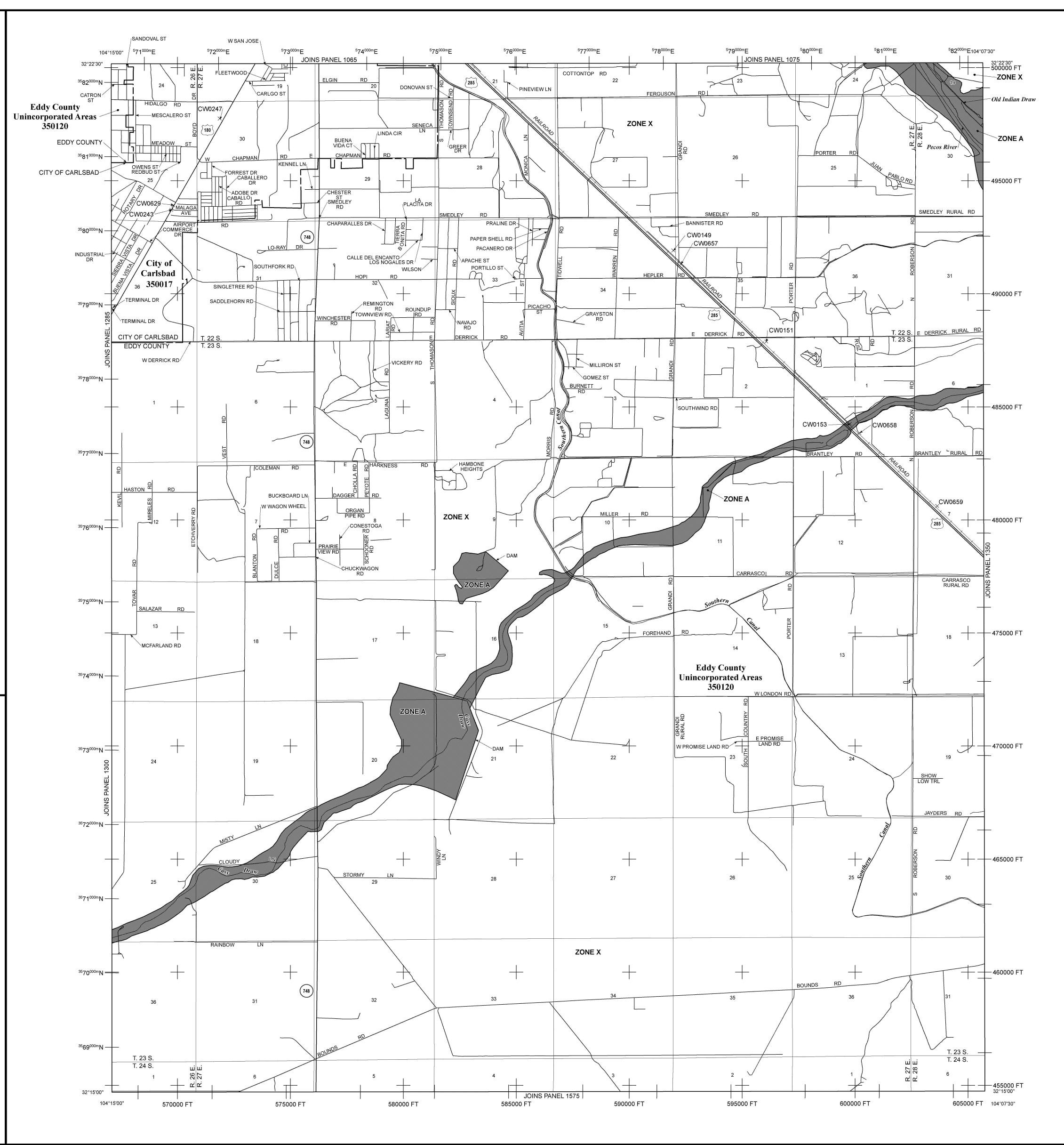
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a *Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <a href="http://www.msc.fema.gov/">http://www.msc.fema.gov/</a>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at <a href="www.fema.gov">www.fema.gov</a>.



### LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance 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.

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.

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the

1% annual chance or greater flood.

Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

IE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

\_\_\_\_\_

ZONE X
Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D
Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Zone D boundary

Floodplain boundary
Floodway boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities

Base Flood Elevation line and value; elevation in feet\*

(EL 987)

Base Flood Elevation value where uniform within zone; elevation in feet\*

\* Referenced to the North American Vertical Datum of 1988

Cross section line

Transect line

97°07'30", 32°22'30"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

<sup>42</sup>75<sup>000m</sup>E 6000000 FT DX5510<sub>×</sub>

M1.5

1000-meter Universal Transverse Mercator grid ticks, zone 13
5000-foot grid values: New Mexico State Plane coordinate
system, East Zone (FIPSZONE = 3001), Lambert projection
Bench mark (see explanation in Notes to Users section of this
FIRM panel)
River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
June 4, 2010

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

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 2000'

1,000 0 1,000 2,000 3,000 4,000

THE TOTAL TOTAL

FIRM
FLOOD INSURANCE RATE MAP

IRANGE

NEW MEXICO
AND INCORPORATED AREAS

PANEL 1325D

PANEL 1325 OF 2000

EDDY COUNTY,

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:
COMMUNITY

COMMUNITYNUMBERPANELSUFFIXCARLSBAD, CITY OF3500171325DEDDY COUNTY,<br/>UNINCORPORATED AREAS3501201325D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject



35015C1325D EFFECTIVE DATE JUNE 4, 2010

MAP NUMBER

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Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

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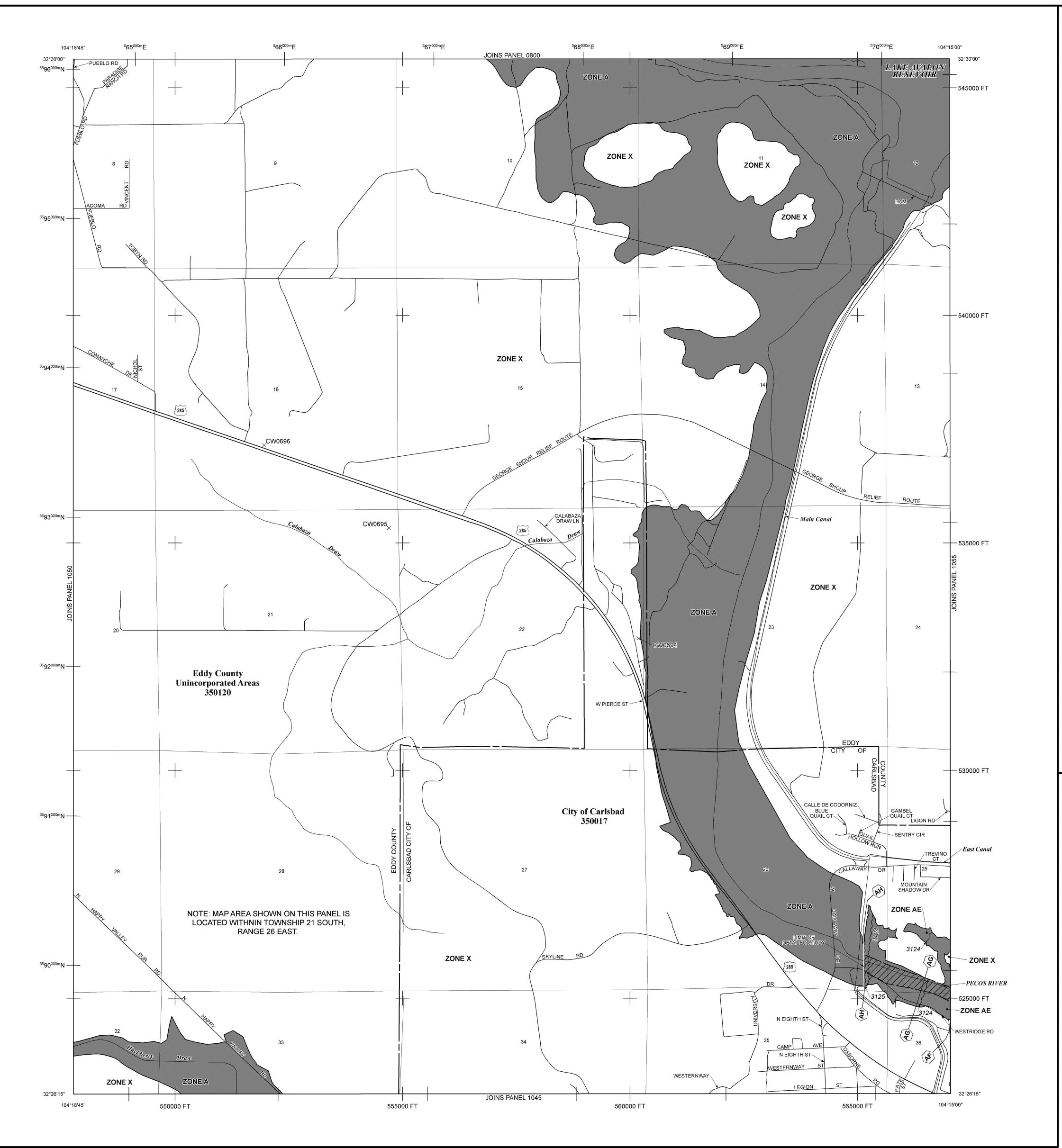
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**LEGEND** 

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**ZONE A** No Base Flood Elevations determined. ZONE AE Base Flood Elevations determined.

1% annual chance flood.

ZONE AO

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations

determined. For areas of alluvial fan flooding, velocities also determined. Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the

1% annual chance or greater flood. Areas to be protected from 1% annual chance flood event by a Federal flood

protection system under construction; no Base Flood Elevations determined. Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary Floodway boundary \_\_\_\_\_ Zone D boundary CBRS and OPA boundary Boundary dividing Special Flood Hazard Area Zones and

boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities Base Flood Elevation line and value; elevation in feet\* ~~~ 513 ~~~ Base Flood Elevation value where uniform within zone; elevation (EL 987)

\* Referenced to the North American Vertical Datum of 1988 Cross section line

(23)----(23)

Geographic coordinates referenced to the North American 97°07'30", 32°22'30" Datum of 1983 (NAD 83), Western Hemisphere 4275000mE 1000-meter Universal Transverse Mercator grid ticks, zone 13 5000-foot grid values: New Mexico State Plane coordinate 6000000 FT system, East Zone (FIPSZONE = 3001), Lambert projection

Bench mark (see explanation in Notes to Users section of this DX5510 M1.5 River Mile MAP REPOSITORIES Refer to Map Repositories list on Map Index

June 4, 2010

EFFECTIVE DATE OF COUNTYWIDE

FLOOD INSURANCE RATE MAP

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

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MAP SCALE 1" = 1000" 

the National Flood Insurance Program at 1-800-638-6620.

IRANGE

TONAL

PANEL 1035D

**FIRM** FLOOD INSURANCE RATE MAP

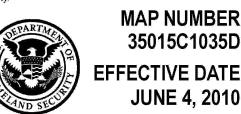
EDDY COUNTY, **NEW MEXICO** AND INCORPORATED AREAS

PANEL 1035 OF 2000 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS: **COMMUNITY** NUMBER PANEL SUFFIX

CARLSBAD, CITY OF 350017 1035 D EDDY COUNTY, UNINCORPORATED AREAS 350120 1035 D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject



35015C1035D **EFFECTIVE DATE JUNE 4, 2010** 

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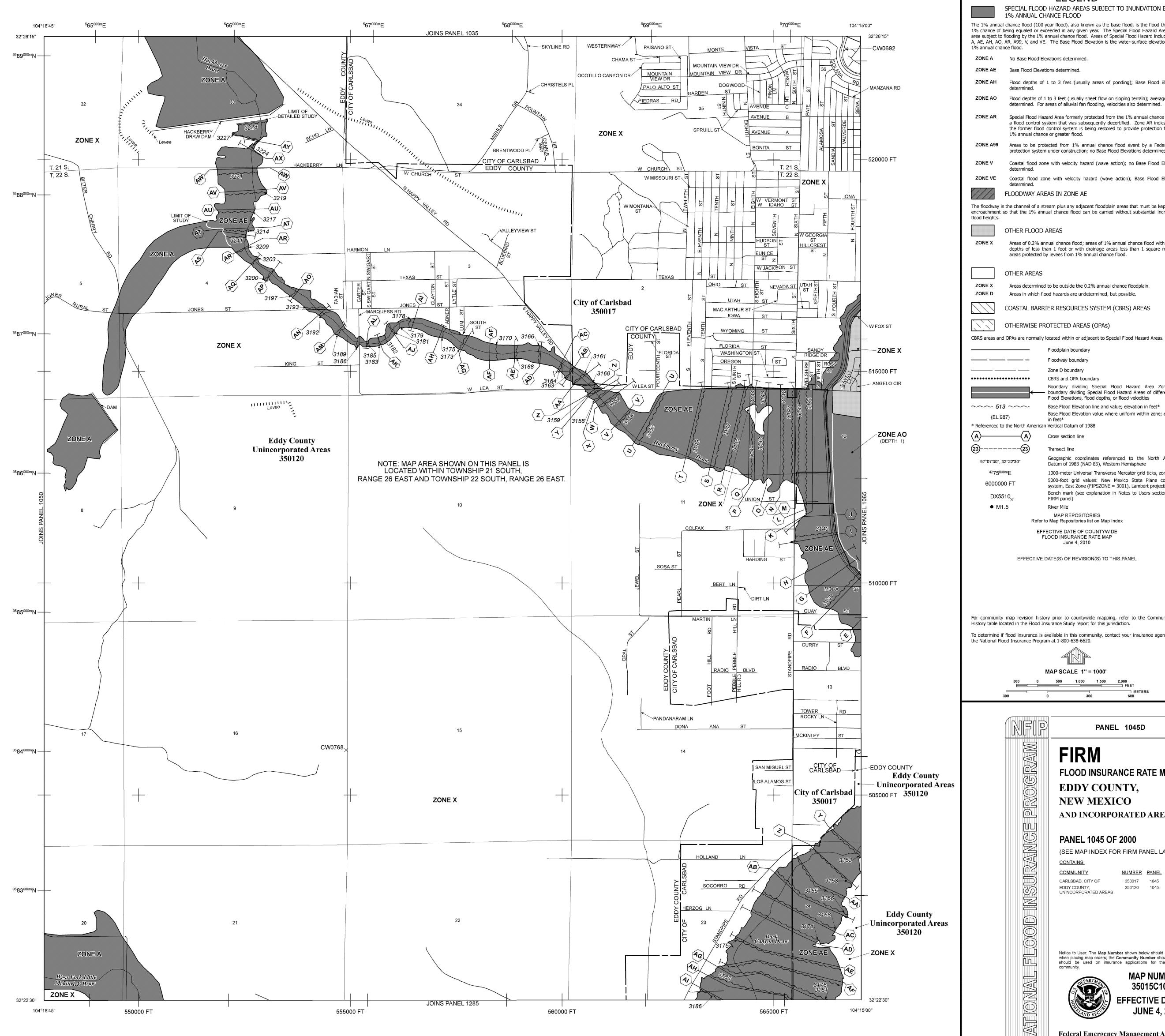
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ZONE AE Base Flood Elevations determined.

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations

determined. For areas of alluvial fan flooding, velocities also determined. Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths

1% annual chance or greater flood. Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations Coastal flood zone with velocity hazard (wave action); Base Flood Elevations

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in

OTHER FLOOD AREAS

determined

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

OTHERWISE PROTECTED AREAS (OPAs)

Floodplain boundary Floodway boundary

Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities Base Flood Elevation line and value; elevation in feet\* Base Flood Elevation value where uniform within zone; elevation

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(EL 987)

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M1.5 River Mile MAP REPOSITORIES Refer to Map Repositories list on Map Index EFFECTIVE DATE OF COUNTYWIDE

June 4, 2010

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

FLOOD INSURANCE RATE MAP

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

# PANEL 1045D AND INCORPORATED AREAS ANGE CONTAINS: COMMUNITY EDDY COUNTY, UNINCORPORATED AREAS when placing map orders; the Community Number shown above should be used on insurance applications for the subject

# **FIRM**

FLOOD INSURANCE RATE MAP EDDY COUNTY, **NEW MEXICO** 

PANEL 1045 OF 2000

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

NUMBER PANEL SUFFIX 350017 1045 D 350120 1045 D

Notice to User: The Map Number shown below should be used



MAP NUMBER 35015C1045D **EFFECTIVE DATE JUNE 4, 2010** 

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The **projection** used in the preparation of this map was State Plane New Mexico East FIPS 3001. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <a href="http://www.ngs.noaa.gov/">http://www.ngs.noaa.gov/</a> or contact the National Geodetic Survey at the following

NGS Information Services NOAA, N/NGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by the Eddy County Geographical Information Systems and Rural Addressing Department.

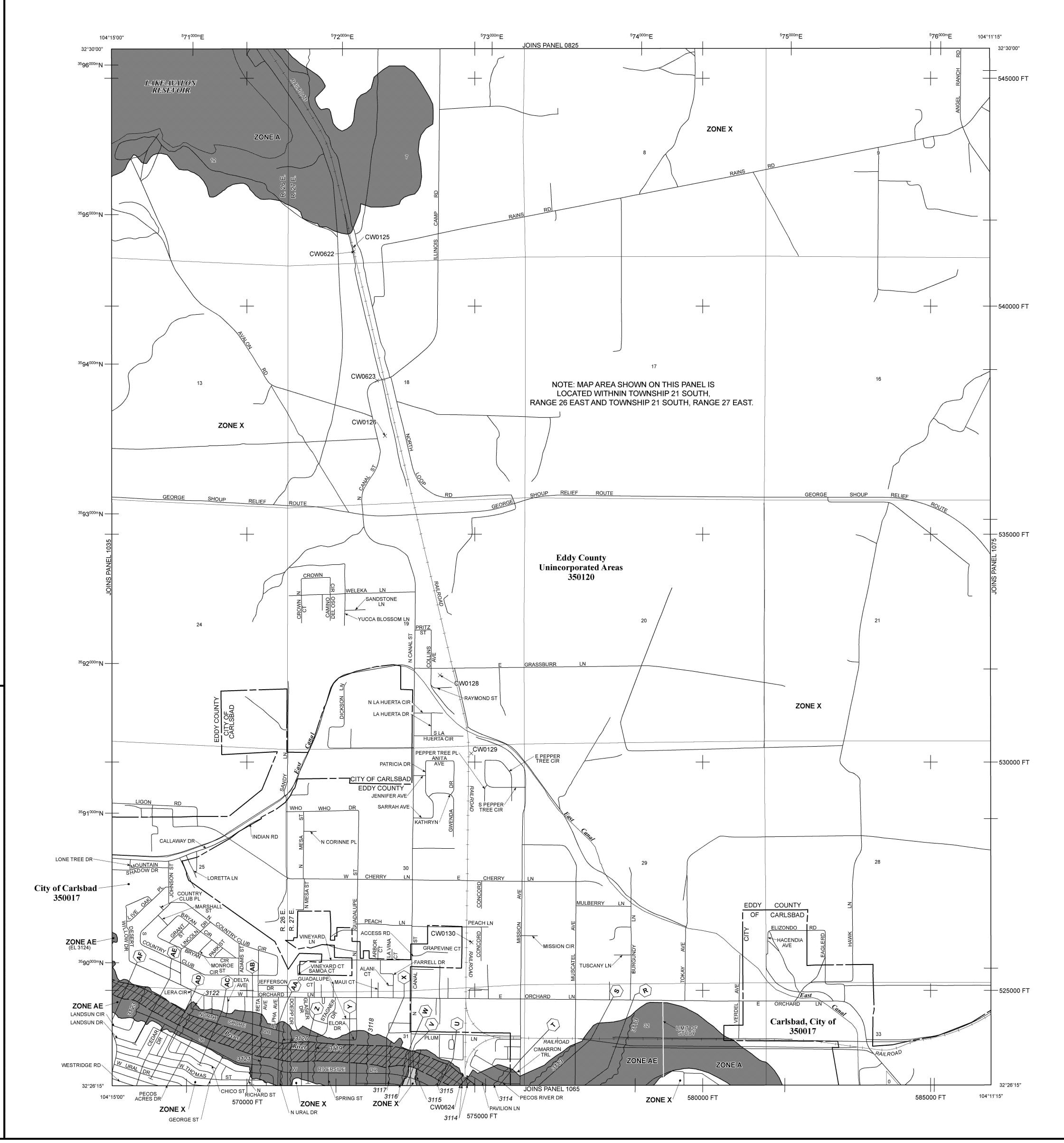
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If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at <a href="www.fema.gov">www.fema.gov</a>.



### LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AF 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 alluvial fan flooding, velocities also determined.

Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the

1% annual chance or greater flood.
 Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X
Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D
Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities

Base Flood Elevation line and value; elevation in feet\*

Base Flood Elevation value where uniform within zone; elevation in feet\*

\* Referenced to the North American Vertical Datum of 1988

A Cross section line

DX5510

Transect line

97°07'30", 32°22'30"

Geographic coordinates referenced to the North American
Datum of 1983 (NAD 83) Western Hemisphere

Datum of 1983 (NAD 83), Western Hemisphere

4275<sup>000m</sup>E

1000-meter Universal Transverse Mercator grid ticks, zone 13

5000-foot grid values: New Mexico State Plane coordinate system, East Zone (FIPSZONE = 3001), Lambert projection

Bench mark (see explanation in Notes to Users section of this

● M1.5

River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP

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

June 4, 2010

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'

0 300

ANG

## FIRM

FLOOD INSURANCE RATE MAP
EDDY COUNTY,
NEW MEXICO

AND INCORPORATED AREAS

PANEL 1055D

PANEL 1055 OF 2000

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY

CARLSBAD, CITY OF
EDDY COUNTY,
UNINCORPORATED AREAS

NUMBER
PANEL
SUFFIX

1055
D
1055
D

**JUNE 4, 2010** 

Notice to User: The Map Number shown below should be used



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. The community map repository should be consulted for possible updated or additional flood hazard information.

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 and/or Summary of Stillwater Elevations 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. These BFEs 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 report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). 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 jurisdiction. 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.

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 National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

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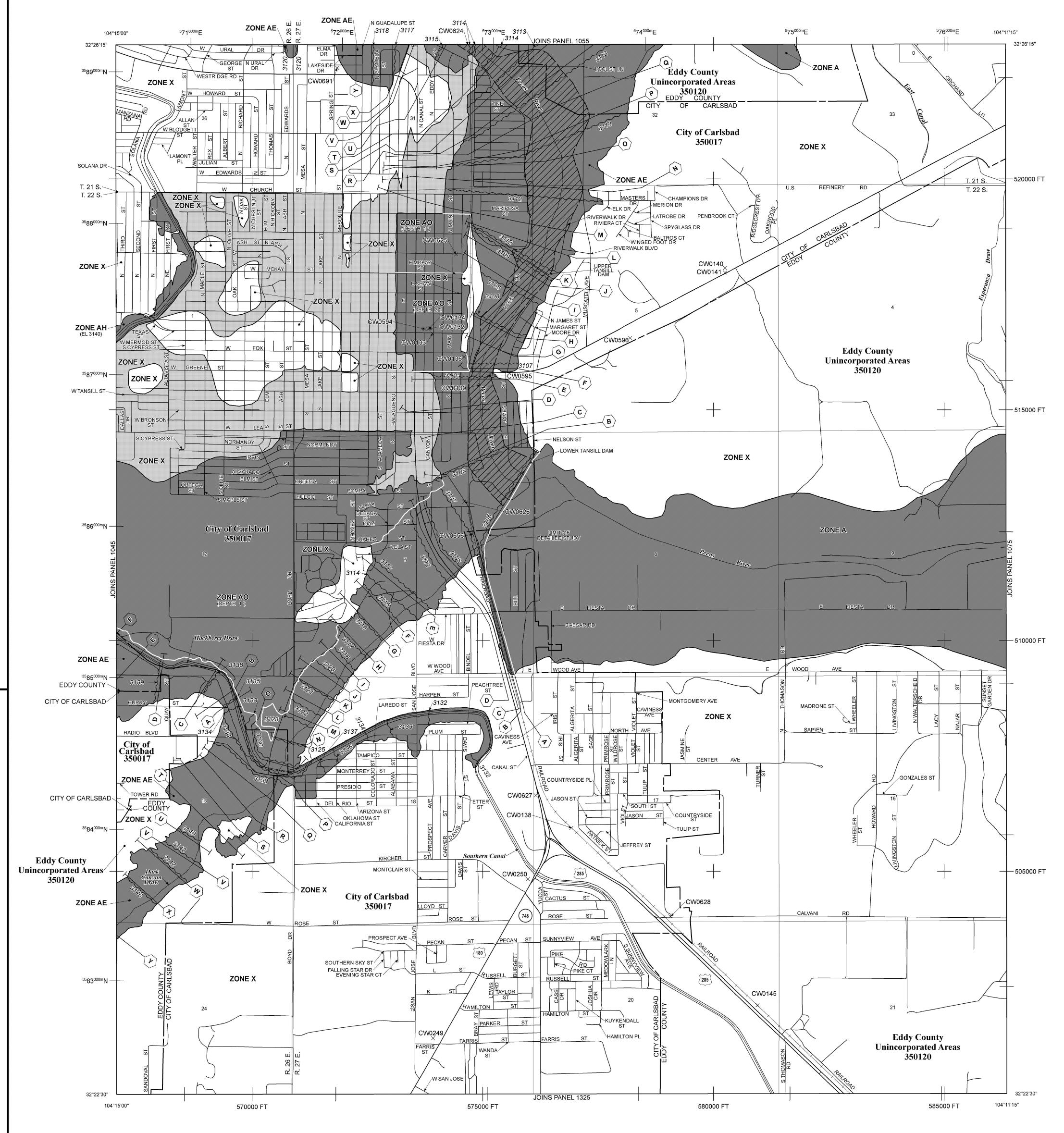
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The "profile base lines" depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



### **LEGEND**

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

**ZONE A** No Base Flood Elevations determined. ZONE AE Base Flood Elevations determined.

ZONE AO

flood heights.

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations

determined. For areas of alluvial fan flooding, velocities also determined. Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths

1% annual chance or greater flood. Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in

OTHER FLOOD AREAS

Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain. ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary Floodway boundary \_\_\_\_\_ Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities ~~~ 513 ~~~ Base Flood Elevation line and value; elevation in feet\* Base Flood Elevation value where uniform within zone; elevation

(EL 987) \* Referenced to the North American Vertical Datum of 1988 Cross section line

(23)----(23) Transect line Geographic coordinates referenced to the North American 97°07'30", 32°22'30"

Datum of 1983 (NAD 83), Western Hemisphere 4275000mE 1000-meter Universal Transverse Mercator grid ticks, zone 13 5000-foot grid values: New Mexico State Plane coordinate 6000000 FT system, East Zone (FIPSZONE = 3001), Transverse Mercator Bench mark (see explanation in Notes to Users section of this DX5510

M1.5 River Mile MAP REPOSITORIES Refer to Map Repositories list on Map Index EFFECTIVE DATE OF COUNTYWIDE

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

FLOOD INSURANCE RATE MAP

June 4, 2010

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History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call

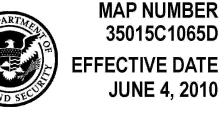
the National Flood Insurance Program at 1-800-638-6620. MAP SCALE 1" = 1000"

### **FIRM** FLOOD INSURANCE RATE MAP EDDY COUNTY, **NEW MEXICO** AND INCORPORATED AREAS ANGE PANEL 1065 OF 2000 (SEE MAP INDEX FOR FIRM PANEL LAYOUT) CONTAINS: COMMUNITY NUMBER PANEL SUFFIX 350017 EDDY COUNTY, 350120 1065 D UNINCORPORATED AREAS

Notice to User: The Map Number shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject

1065 D

PANEL 1065D



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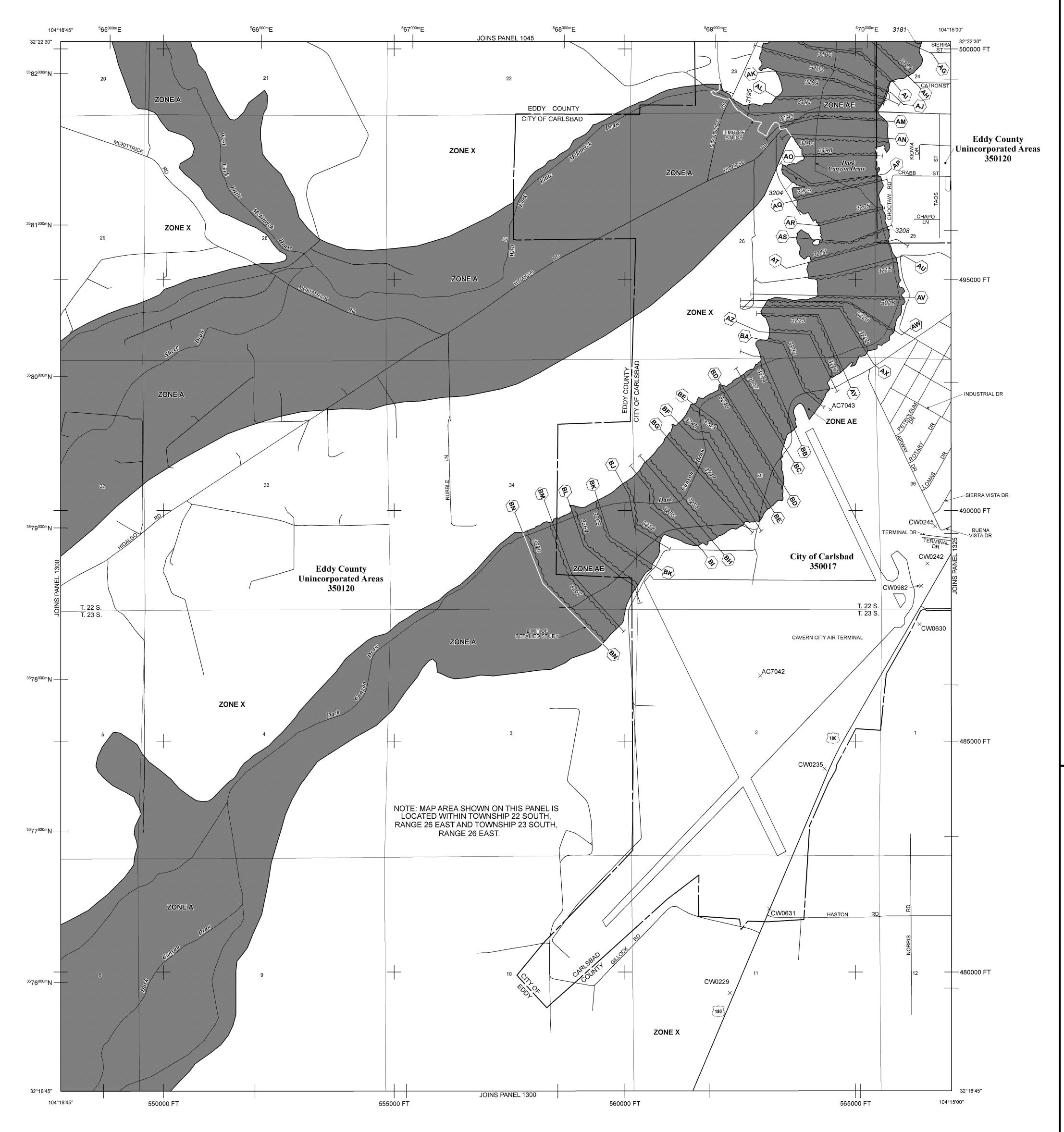
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### **LEGEND**

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1% annual chance flood. **ZONE A** No Base Flood Elevations determined. ZONE AE Base Flood Elevations determined.

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. Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the

1% annual chance or greater flood. Areas to be protected from 1% annual chance flood event by a Federal flood

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations

protection system under construction; no Base Flood Elevations determined. Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations

Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined

FLOODWAY AREAS IN ZONE AE The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of

encroachment so that the 1% annual chance flood can be carried without substantial increases in

flood heights. OTHER FLOOD AREAS

> Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

ZONE AO

ZONE D

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain.

Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary

Floodway boundary \_\_\_\_\_ Zone D boundary ~~~ 513 ~~~

(EL 987)

M1.5

CBRS and OPA boundary Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities Base Flood Elevation line and value; elevation in feet\* Base Flood Elevation value where uniform within zone; elevation

\* Referenced to the North American Vertical Datum of 1988 Cross section line

23)-----(23) Geographic coordinates referenced to the North American 97°07'30", 32°22'30" Datum of 1983 (NAD 83), Western Hemisphere

4275000mE 1000-meter Universal Transverse Mercator grid ticks, zone 13 5000-foot grid values: New Mexico State Plane coordinate 6000000 FT system, East Zone (FIPSZONE = 3001), Lambert projection Bench mark (see explanation in Notes to Users section of this DX5510

> River Mile MAP REPOSITORIES Refer to Map Repositories list on Map Index EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP June 4, 2010

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

For community map revision history prior to countywide mapping, refer to the Community Map

History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call

the National Flood Insurance Program at 1-800-638-6620. MAP SCALE 1" = 1000"

### PANEL 1285D **FIRM** FLOOD INSURANCE RATE MAP EDDY COUNTY, **NEW MEXICO** AND INCORPORATED AREAS IRANGE PANEL 1285 OF 2000 (SEE MAP INDEX FOR FIRM PANEL LAYOUT) CONTAINS: COMMUNITY NUMBER PANEL SUFFIX

CARLSBAD, CITY OF 350017 1285 D EDDY COUNTY, UNINCORPORATED AREAS 350120 1285 D

Notice to User: The Map Number shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject



TONAL

MAP NUMBER 35015C1285D **EFFECTIVE DATE JUNE 4, 2010**