NOTES TO USERS

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 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 Texas State Plane North Central Zone (FIPS zone 4202). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM 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 http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

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 Texas Natural Resources Information System (TNRIS). This information was photogrammetrically compiled at a scale of at least 1:24,000 from aerial photography dated 2004.

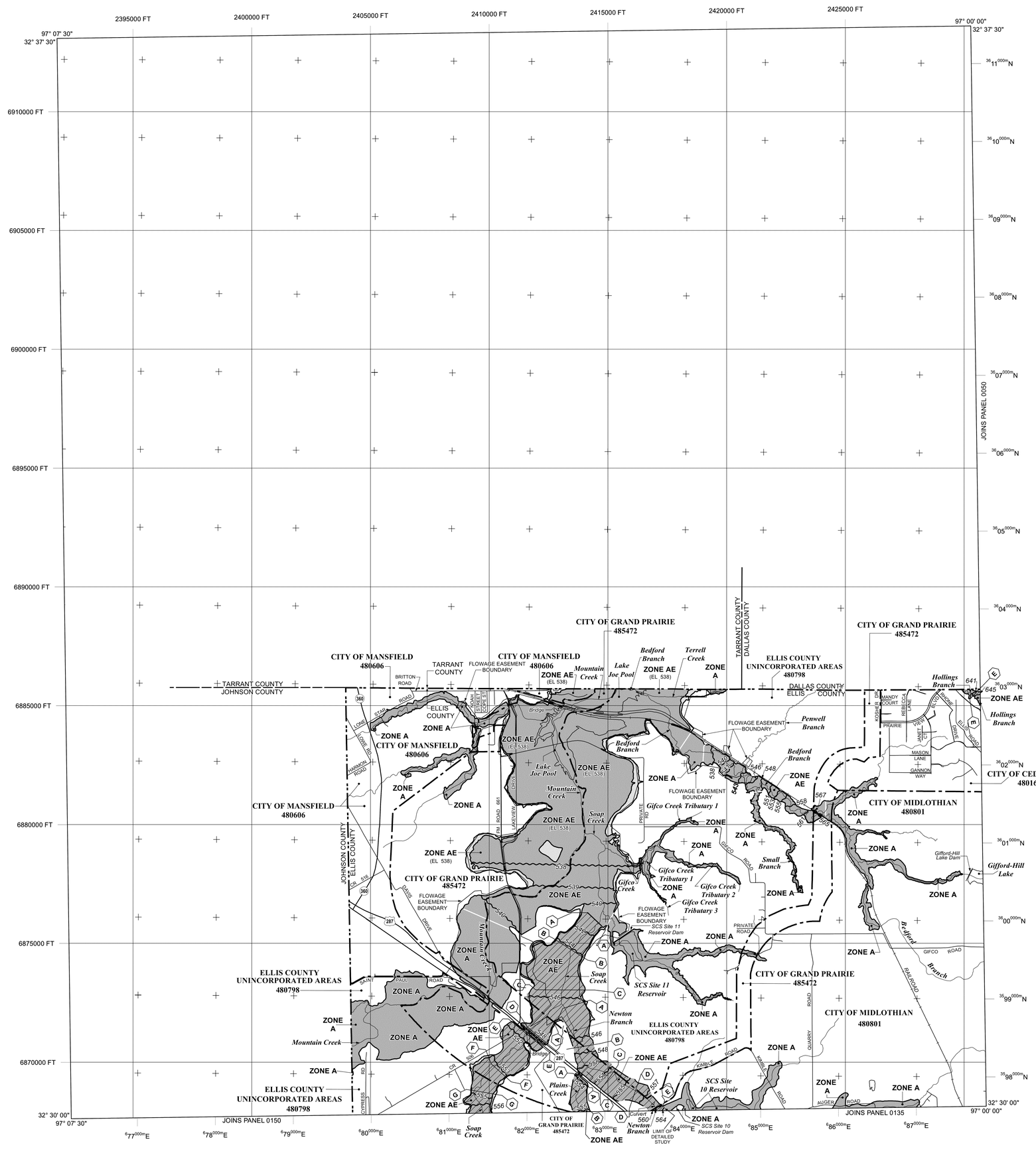
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables for multiple streams 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 located.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map,** how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) 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.

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 AR Special Flood Hazard Areas 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.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

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

ZONE 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

ZONE X 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.

- 1% Annual Chance Floodplain Boundary
- 0.2% Annual Chance 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*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 23 — 23 — Transect line
- 45° 02' 08", 93° 02' 12" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
- 3100000 FT — 5000-foot ticks: Texas State Plane North Central Zone (FIPS Zone 4202), Lambert Conformal Conic projection
- ^{4489000m}N — 1000-meter Universal Transverse Mercator grid values, zone 14
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
January 20, 1999

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
January 5, 2006 - to add Base Flood Elevations, to add floodway, to add roads and road names, to update corporate limits, to incorporate previously issued Letters of Map Revision and to reflect updated topographic information.
June 3, 2013- to update corporate limits, to add roads and road names, to update map format, to change Special Flood Hazard Areas, to reflect updated topographic information and to incorporate previously issued Letters of Map Revision.

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'

1000 0 2000 4000 FEET
600 0 600 1200 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0025F

FIRM

FLOOD INSURANCE RATE MAP

ELLIS COUNTY, TEXAS AND INCORPORATED AREAS

PANEL 25 OF 600
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CEDAR HILL, CITY OF	480168	0025	F
ELLIS COUNTY, UNINCORPORATED AREAS	480798	0025	F
GRAND PRAIRIE, CITY OF	485472	0025	F
MANSFIELD, CITY OF	480606	0025	F
MIDLOTHIAN, CITY OF	480801	0025	F

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 community.

MAP NUMBER
48139C0025F
EFFECTIVE DATE
JUNE 3, 2013

Federal Emergency Management Agency

MAP REPOSITORIES

(Maps available for reference only, not for distribution.)

ALMA, TOWN OF:
TOWN HALL
140 ALMA DRIVE
ALMA, TEXAS 75119

BARDWELL, CITY OF:
CITY HALL
100 PLANTER GIN ROAD
BARDWELL, TEXAS 75101

CEDAR HILL, CITY OF:
CITY HALL
502 CEDAR STREET
CEDAR HILL, TEXAS 75104

ELLIS COUNTY
(UNINCORPORATED AREAS):
ELLIS COUNTY COURTHOUSE
101 WEST MAIN STREET
WAXAHACHIE, TEXAS 75165

ENNIS, CITY OF:
CITY HALL
115 WEST BROWN STREET
ENNIS, TEXAS 75119

FERRIS, CITY OF:
CITY HALL
100 TOWN PLAZA
FERRIS, TEXAS 75125

GARRETT, CITY OF:
CITY HALL
208 NORTH FERRIS STREET
GARRETT, TEXAS 75119

GLENN HEIGHTS, CITY OF:
CITY HALL
1938 SOUTH HAMPTON ROAD
GLENN HEIGHTS, TEXAS 75154

GRAND PRAIRIE, CITY OF:
CITY HALL
317 COLLEGE STREET
GRAND PRAIRIE, TEXAS 75053

ITALY, CITY OF:
CITY HALL
103 WEST MAIN STREET
ITALY, TEXAS 76651

MANSFIELD, CITY OF:
CITY HALL
1305 EAST BROAD STREET
MANSFIELD, TEXAS 76063

MAYPEARL, CITY OF:
CITY HALL
104 EAST SECOND STREET
MAYPEARL, TEXAS 76064

MIDLOTHIAN, CITY OF:
CITY HALL
104 WEST AVENUE E.
MIDLOTHIAN, TEXAS 76065

MILFORD, CITY OF:
CITY HALL
100 SOUTH MAIN STREET
MILFORD, TEXAS 76670

OAK LEAF, CITY OF:
CITY HALL
301 LOCUST DRIVE
OAK LEAF, TEXAS 75154

OVILLA, CITY OF:
CITY HALL
105 COCKRELL HILL ROAD
OVILLA, TEXAS 75154

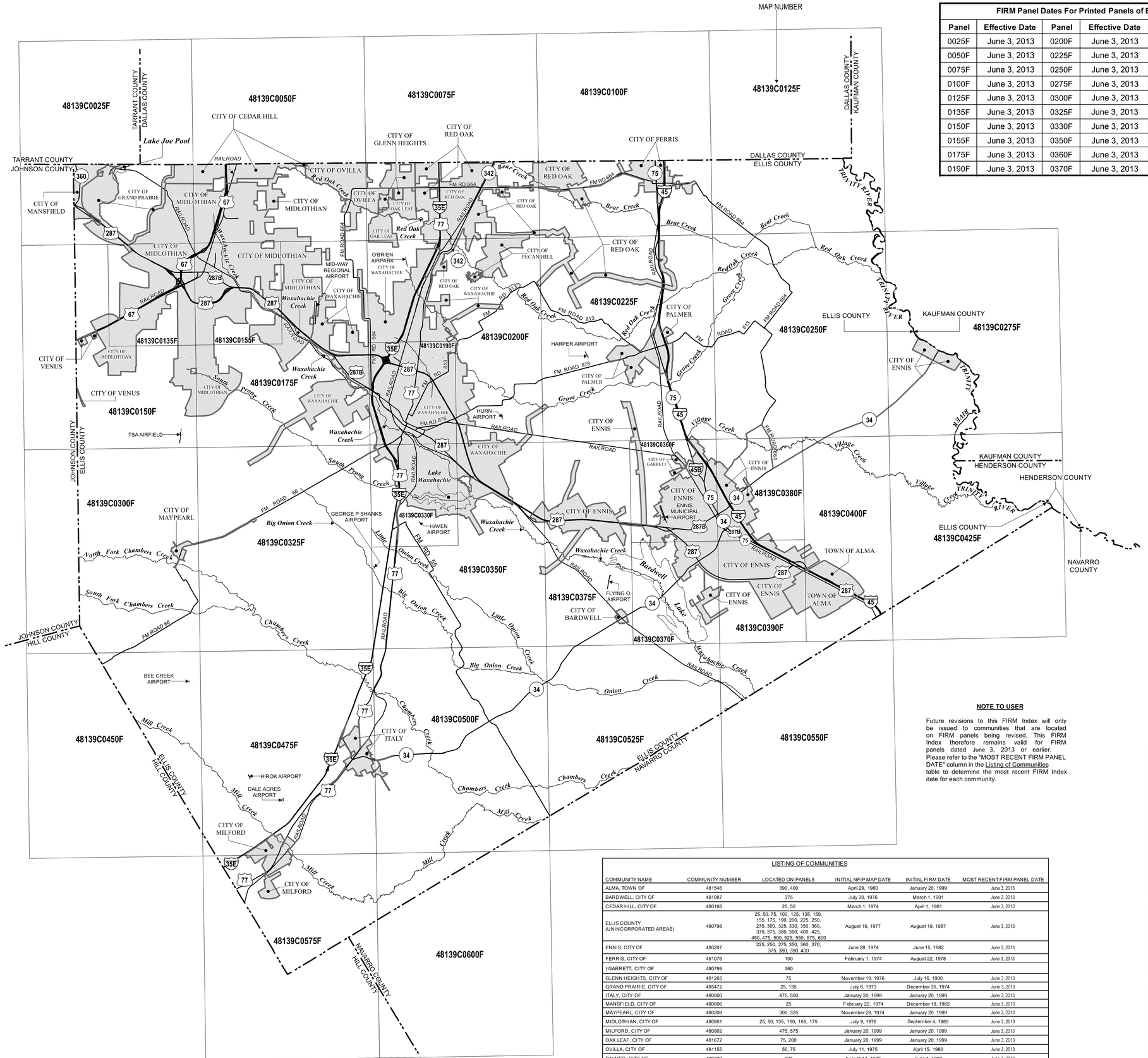
PALMER, CITY OF:
CITY HALL
113 WEST JEFFERSON STREET
PALMER, TEXAS 75152

PECAN HILL, CITY OF:
CITY HALL
1094 SOUTH LOWRANCE ROAD
PECAN HILL, TEXAS 75154

RED OAK, CITY OF:
CITY HALL
200 LAKEVIEW PARKWAY
RED OAK, TEXAS 75154

VENUS, CITY OF:
CITY HALL
105 EAST HIGHWAY 67
VENUS, TEXAS 76084

WAXAHACHIE, CITY OF:
CITY HALL
401 SOUTH ROGERS STREET
WAXAHACHIE, TEXAS 75165



FIRM Panel Dates For Printed Panels of Ellis County, TX And Incorporated Areas							
Panel	Effective Date	Panel	Effective Date	Panel	Effective Date	Panel	Effective Date
0025F	June 3, 2013	0200F	June 3, 2013	0375F	June 3, 2013	0575F	June 3, 2013
0050F	June 3, 2013	0225F	June 3, 2013	0380F	June 3, 2013	0600F	June 3, 2013
0075F	June 3, 2013	0250F	June 3, 2013	0390F	June 3, 2013		
0100F	June 3, 2013	0275F	June 3, 2013	0400F	June 3, 2013		
0125F	June 3, 2013	0300F	June 3, 2013	0425F	June 3, 2013		
0135F	June 3, 2013	0325F	June 3, 2013	0450F	June 3, 2013		
0150F	June 3, 2013	0330F	June 3, 2013	0475F	June 3, 2013		
0155F	June 3, 2013	0350F	June 3, 2013	0500F	June 3, 2013		
0175F	June 3, 2013	0360F	June 3, 2013	0525F	June 3, 2013		
0190F	June 3, 2013	0370F	June 3, 2013	0550F	June 3, 2013		

MAP DATES

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 FEMA Map Information eXchange (FMIX) at 1-877-336-2627.

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 3, 2013 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.

LISTING OF COMMUNITIES

COMMUNITY NAME	COMMUNITY NUMBER	LOCATED ON PANELS	INITIAL NFIP MAP DATE	INITIAL FIRM DATE	MOST RECENT FIRM PANEL DATE
ALMA, TOWN OF	481546	390, 400	April 29, 1980	January 20, 1999	June 3, 2013
BARDWELL, CITY OF	481087	375	July 30, 1976	March 1, 1991	June 3, 2013
CEDAR HILL, CITY OF	480168	25, 50	March 1, 1974	April 1, 1981	June 3, 2013
ELLIS COUNTY (UNINCORPORATED AREAS)	480798	25, 50, 75, 100, 125, 135, 150, 155, 175, 190, 200, 225, 250, 275, 300, 325, 330, 350, 360, 370, 375, 380, 390, 400, 425, 450, 475, 500, 525, 550, 575, 600	August 16, 1977	August 19, 1987	June 3, 2013
ENNIS, CITY OF	480207	225, 250, 275, 350, 360, 370, 375, 380, 390, 400	June 28, 1974	June 15, 1982	June 3, 2013
FERRIS, CITY OF	481076	100	February 1, 1974	August 22, 1978	June 3, 2013
†GARRETT, CITY OF	480799	360			
GLENN HEIGHTS, CITY OF	481265	75	November 19, 1976	July 16, 1980	June 3, 2013
GRAND PRAIRIE, CITY OF	485472	25, 135	July 6, 1973	December 31, 1974	June 3, 2013
ITALY, CITY OF	480800	475, 500	January 20, 1999	January 20, 1999	June 3, 2013
MANSFIELD, CITY OF	480606	25	February 22, 1974	December 18, 1985	June 3, 2013
MAYPEARL, CITY OF	480208	300, 325	November 29, 1974	January 20, 1999	June 3, 2013
MIDLOTHIAN, CITY OF	480801	25, 50, 135, 150, 155, 175	July 9, 1976	September 4, 1985	June 3, 2013
MILFORD, CITY OF	480802	475, 575	January 20, 1999	January 20, 1999	June 3, 2013
OAK LEAF, CITY OF	481672	75, 200	January 20, 1999	January 20, 1999	June 3, 2013
OVILLA, CITY OF	481155	50, 75	July 11, 1975	April 15, 1980	June 3, 2013
PALMER, CITY OF	480209	225	August 13, 1976	June 1, 1990	June 3, 2013
PECAN HILL, CITY OF	481673	75, 200	January 20, 1999	January 20, 1999	June 3, 2013
RED OAK, CITY OF	481650	75, 100, 200, 225	January 20, 1999	January 20, 1999	June 3, 2013
VENUS, CITY OF	480883	150	September 27, 1991	September 27, 1991	June 3, 2013
WAXAHACHIE, CITY OF	480211	175, 190, 200, 225, 325, 330, 350	June 28, 1974	August 1, 1980	June 3, 2013

† Non-flood prone community

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

MAP INDEX

FIRM

FLOOD INSURANCE RATE MAP

ELLIS COUNTY, TEXAS
AND INCORPORATED AREAS
(SEE LISTING OF COMMUNITIES TABLE)

MAP INDEX

PANELS PRINTED: 25, 50, 75, 100, 125, 135, 150, 155, 175, 190, 200, 225, 250, 275, 300, 325, 330, 350, 360, 370, 375, 380, 390, 400, 425, 450, 475, 500, 525, 550, 575, 600

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 community.

MAP NUMBER
48139CIND0B
EFFECTIVE DATE
June 3, 2013

Federal Emergency Management Agency