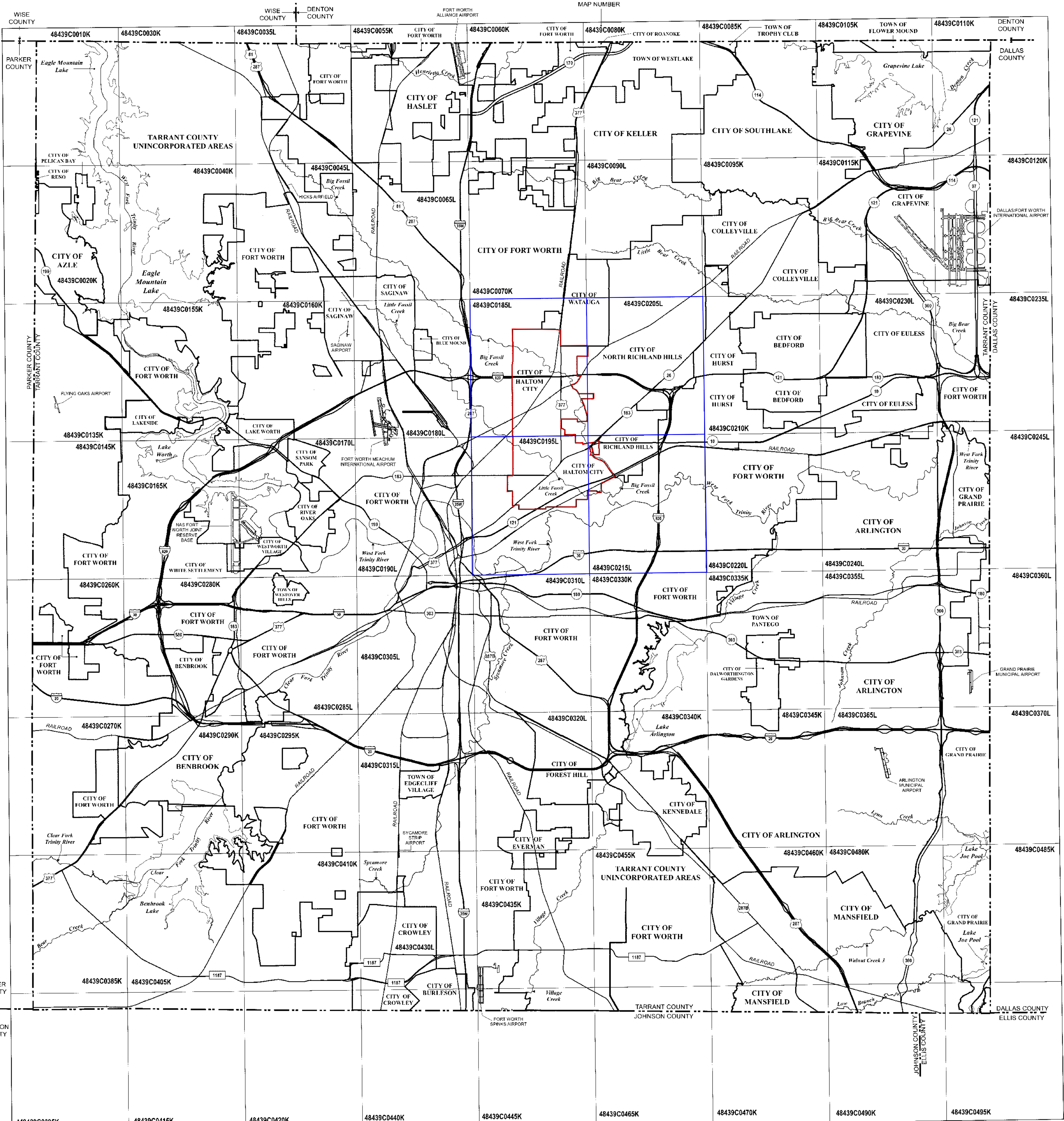


MAP REPOSITORIES

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

- ARLINGTON, CITY OF:
City Hall
101 West Abram Street
Arlington, Texas 76010
- AZLE, CITY OF:
City Hall
613 Southeast Parkway
Azle, Texas 76020
- BEDFORD, CITY OF:
City Hall
2000 Forest Ridge
Bedford, Texas 76021
- BENBROOK, CITY OF:
City Hall
911 Winscott Road
Benbrook, Texas 76126
- BLUE MOUND, CITY OF:
City Hall
301 South Blue Mound Road
Blue Mound, Texas 76131
- BURLESON, CITY OF:
City Hall
141 West Renfro Street
Burleson, Texas 76028
- COLLEYVILLE, CITY OF:
Public Works - Engineering Division
100 Main Street, 2nd Floor
Colleyville, Texas 76034
- CROWLEY, CITY OF:
City Hall
201 East Main Street
Crowley, Texas 76036
- DALWORTHINGTON GARDENS, CITY OF:
City Hall
2600 Roosevelt Drive
Dalworthington Gardens, Texas 76016
- EDGECLIFF VILLAGE, TOWN OF:
Municipal Complex
1605 Edgecliff Road
Edgecliff Village, Texas 76134
- EULESS, CITY OF:
City Hall
201 North Ector Drive
Euless, Texas 76039
- EVERMAN, CITY OF:
City Hall
212 North Race Street
Everman, Texas 76140
- FLOWER MOUND, TOWN OF:
Town Hall
2121 Cross Timbers Road
Flower Mound, Texas 75028
- FOREST HILL, CITY OF:
City Hall
3219 California Parkway
Forest Hill, Texas 76119
- FORT WORTH, CITY OF:
Department of Transportation and Public Works
200 Texas Street
Fort Worth, Texas 76102
- GRAND PRAIRIE, CITY OF:
Community Development Center
206 West Church Street
Grand Prairie, Texas 75050
- GRAPEVINE, CITY OF:
City Hall
200 South Main Street
Grapevine, Texas 76051
- HALTOM CITY, CITY OF:
City Hall
5024 Broadway Avenue
Haltom City, Texas 76117
- HASLET, CITY OF:
City Hall
101 Main Street
Haslet, Texas 76052
- HURST, CITY OF:
City Hall
1505 Precinct Line Road
Hurst, Texas 76054
- KELLER, CITY OF:
City Hall
1100 Bear Creek Parkway
Keller, Texas 76248
- KENNEDALE, CITY OF:
City Hall
209 North New Hope Road
Kennedale, Texas 76060
- LAKE WORTH, CITY OF:
City Hall
3805 Adam Grubb Street
Lake Worth, Texas 76135
- LAKESIDE, TOWN OF:
Town Hall
9630 Confederate Park Road
Lakeside, Texas 76108
- MANSFIELD, CITY OF:
City Hall
Department of Zoning and Planning
1305 East Broad Street
Mansfield, Texas 76063
- NORTH RICHLAND HILLS, CITY OF:
City Hall
4301 City Point Drive
North Richland Hills, Texas 76180
- PANTEGO, TOWN OF:
Town Hall
1601 South Bowen Road
Pantego, Texas 76013
- PELICAN BAY, CITY OF:
Pelican Bay City Hall
1300 Pelican Circle
Azle, Texas 76020
- RENO, CITY OF:
City Hall
195 West Reno Road
Azle, Texas 76020
- RICHLAND HILLS, CITY OF:
City Hall
3200 Diana Drive
Richland Hills, Texas 76118
- RIVER OAKS, CITY OF:
City Hall
4900 River Oaks Boulevard
River Oaks, Texas 76114
- ROANOKE, CITY OF:
City Hall
108 South Oak Street
Roanoke, Texas 76262
- SAGINAW, CITY OF:
City Hall
333 West McLeroy Boulevard
Saginaw, Texas 76179
- SANSOM PARK, CITY OF:
City Hall
5705 Azle Avenue
Sansom Park, Texas 76114
- SOUTHLAKE, CITY OF:
Administration and Engineering Services
1400 Main Street, Suite 320
Southlake, Texas 76092
- TARRANT COUNTY (UNINCORPORATED AREAS):
Tarrant County Transportation Department - Engineering
100 East Weatherford Street, Suite 401
Fort Worth, Texas 76196
- TROPHY CLUB, TOWN OF:
Town Hall
100 Municipal Drive
Trophy Club, Texas 76262
- WATAUGA, CITY OF:
Public Works Department
7105 Whitley Road
Watauga, Texas 76148
- WESTLAKE, TOWN OF:
Town Hall
1500 Solana Boulevard
Building 7, Suite 7200
Westlake, Texas 76282
- WESTOVER HILLS, TOWN OF:
Westover Hills Town Hall
5824 Merrymont Road
Fort Worth, Texas 76107
- WESTWORTH VILLAGE, CITY OF:
City Hall
311 Burton Hill Road
Westworth Village, Texas 76114
- WHITE SETTLEMENT, CITY OF:
Administration Building
214 Meadow Park Drive
White Settlement, Texas 76108



*PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS

FIRM Panel Dates For Printed Panels of Tarrant County, TX And Incorporated Areas							
Panel	Effective Date	Panel	Effective Date	Panel	Effective Date	Panel	Effective Date
0010K	September 25, 2009	0119K	September 25, 2009	0230L	March 21, 2019	0340K	September 25, 2009
0020K	September 25, 2009	0120K	September 25, 2009	0235L	March 21, 2019	0345K	September 25, 2009
0030K	September 25, 2009	0130K	September 25, 2009	0240L	March 21, 2019	0350L	September 25, 2009
0035L	March 21, 2019	0140K	September 25, 2009	0245L	March 21, 2019	0355L	September 25, 2009
0040K	September 25, 2009	0150K	September 25, 2009	0250K	September 25, 2009	0360L	September 25, 2009
0045L	March 21, 2019	0160K	September 25, 2009	0270K	September 25, 2009	0370L	September 25, 2009
0050K	September 25, 2009	0165K	September 25, 2009	0280K	September 25, 2009	0380K	September 25, 2009
0060K	September 25, 2009	0170L	March 21, 2019	0285L	March 21, 2019	0400K	September 25, 2009
0065L	March 21, 2019	0180L	March 21, 2019	0290K	September 25, 2009	0410K	September 25, 2009
0070K	September 25, 2009	0185L	March 21, 2019	0295K	September 25, 2009	0415K	September 25, 2009
0080K	September 25, 2009	0190L	March 21, 2019	0300L	March 21, 2019	0420K	September 25, 2009
0085K	September 25, 2009	0195L	March 21, 2019	0310L	March 21, 2019	0430L	March 21, 2019
0090L	March 21, 2019	0200L	March 21, 2019	0315L	March 21, 2019	0435K	September 25, 2009
0095K	September 25, 2009	0210K	September 25, 2009	0320L	March 21, 2019	0440K	September 25, 2009
0100K	September 25, 2009	0215L	March 21, 2019	0330K	September 25, 2009	0445K	September 25, 2009
0110K	September 25, 2009	0220L	March 21, 2019	0335K	September 25, 2009	0450K	September 25, 2009

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://mssc.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 March 21, 2019 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
ARLINGTON, CITY OF	485154	0020, 0230, 0235, 0240, 0245, 0300, 0305, 0340, 0345, 0355, 0360, 0365, 0370, 0455, 0490, 0495	August 7, 1970	December 31, 1974	March 21, 2019
AZLE, CITY OF	480584	0020, 0135	March 8, 1974	October 15, 1985	September 25, 2009
BEDFORD, CITY OF	480585	0210, 0230	December 28, 1973	July 18, 1977	March 21, 2019
BENBROOK, CITY OF	480586	0270, 0280, 0285, 0290, 0295	May 3, 1974	July 2, 1979	March 21, 2019
BLUE MOUND, CITY OF	480587	0180	December 17, 1973	July 16, 1980	March 21, 2019
BURLESON, CITY OF	480589	0430, 0440	November 2, 1973	November 2, 1973	March 21, 2019
COLLEYVILLE, CITY OF	480590	0095, 0115, 0210, 0230	May 10, 1974	December 1, 1982	March 21, 2019
CROWLEY, CITY OF	480591	0410, 0420, 0430, 0440	June 28, 1974	April 15, 1991	March 21, 2019
DALWORTHINGTON GARDENS, CITY OF	481013	0335, 0345	August 6, 1976	May 17, 1982	September 25, 2009
EDGECLIFF VILLAGE, TOWN OF	480592	0315	December 28, 1973	August 19, 1986	March 21, 2019
EULESS, CITY OF	480593	0115, 0120, 0210, 0230, 0235, 0240	March 22, 1974	April 3, 1985	March 21, 2019
EVERMAN, CITY OF	480594	0320, 0435	December 17, 1973	September 17, 1980	March 21, 2019
FLOWER MOUND, TOWN OF	480777	0105, 0110	October 29, 1976	September 18, 1986	September 25, 2009
FOREST HILL, CITY OF	480595	0310, 0320, 0340	January 23, 1974	August 1, 1978	March 21, 2019
FORT WORTH, CITY OF	480596	0030, 0040, 0045, 0055, 0060, 0065, 0070, 0080, 0135, 0145, 0155, 0160, 0165, 0170, 0180, 0185, 0190, 0195, 0210, 0215, 0220, 0230, 0235, 0240, 0245, 0260, 0270, 0280, 0285, 0290, 0295, 0305, 0310, 0315, 0320, 0330, 0335, 0340, 0405, 0410, 0430, 0435, 0440, 0445, 0455, 0465	September 17, 1971	June 4, 1980	March 21, 2019
GRAND PRAIRIE, CITY OF	485472	0235, 0240, 0245, 0260, 0365, 0370, 0480, 0485, 0495	July 6, 1973	July 8, 1973	March 21, 2019
GRAPEVINE, CITY OF	480598	0085, 0095, 0105, 0110, 0115, 0120	June 28, 1974	November 17, 1982	September 25, 2009
HALTOM CITY, CITY OF	480599	0185, 0195, 0205, 0215	June 28, 1974	February 1, 1978	March 21, 2019
HASLET, CITY OF	480600	0055, 0060, 0065	November 1, 1974	October 15, 1985	March 21, 2019
HURST, CITY OF	480601	0095, 0205, 0210, 0215, 0220	June 14, 1974	October 15, 1985	March 21, 2019
KELLER, CITY OF	480602	0060, 0070, 0080, 0085, 0090, 0095	November 15, 1976	September 30, 1982	March 21, 2019
KENNEDALE, CITY OF	480603	0340, 0405	February 1, 1974	November 15, 1984	September 25, 2009
LAKE WORTH, CITY OF	480605	0155, 0160, 0165, 0170	November 15, 1976	January 6, 1993	March 21, 2019
LAKESIDE, CITY OF	480604	0135, 0155	January 6, 1993	January 6, 1993	September 25, 2009
MANSFIELD, CITY OF	480606	0460, 0470, 0480, 0485, 0490, 0495	February 22, 1974	December 18, 1985	September 25, 2009
NORTH RICHLAND HILLS, CITY OF	480607	0090, 0095, 0185, 0195, 0205, 0210, 0215	June 28, 1974	April 1, 1981	March 21, 2019
PANTEGO, TOWN OF	481116	0335	August 13, 1976	July 16, 1980	September 25, 2009
PELICAN BAY, CITY OF	481053	0020	January 6, 1993	January 6, 1993	September 25, 2009
RENO, CITY OF	480608	0010, 0020	September 25, 2009	September 25, 2009	September 25, 2009
RICHLAND HILLS, CITY OF	480608	0205, 0215	March 15, 1974	February 16, 1977	March 21, 2019
RIVER OAKS, CITY OF	480609	0170	December 28, 1973	June 19, 1985	March 21, 2019
ROANOKE, CITY OF	480785	0090, 0090	September 5, 1975	April 2, 1997	September 25, 2009
SAGINAW, CITY OF	480610	0045, 0060, 0190, 0190	March 8, 1974	September 17, 1980	March 21, 2019
SANSOM PARK, CITY OF	480611	0160, 0170	December 10, 1976	January 6, 1993	March 21, 2019
SOUTHLAKE, CITY OF	480612	0080, 0085, 0090, 0095, 0105, 0115	February 15, 1974	July 5, 1982	March 21, 2019

TARRANT COUNTY (UNINCORPORATED AREAS)	480582	0010, 0020, 0030, 0035, 0040, 0045, 0055, 0060, 0065, 0070, 0080, 0085, 0095, 0105, 0135, 0145, 0155, 0160, 0165, 0180, 0185, 0190, 0230, 0235, 0240, 0250, 0270, 0280, 0290, 0295, 0305, 0335, 0340, 0365, 0395, 0405, 0410, 0415, 0420, 0430, 0435, 0440, 0445, 0455, 0460, 0465, 0470, 0485, 0495	February 7, 1975	August 4, 1987	March 21, 2019
TROPHY CLUB, TOWN OF	481006	0085	May 27, 1977	August 3, 1989	September 25, 2009
WATAUGA, CITY OF	480613	0070, 0080, 0185, 0205	March 8, 1974	June 1, 1982	March 21, 2019
WESTLAKE, TOWN OF	480614	0080, 0085	December 10, 1976	June 2, 1993	September 25, 2009
WESTOVER HILLS, TOWN OF	480615	0170, 0285	August 30, 1974	June 5, 1985	March 21, 2019
WESTWORTH VILLAGE, CITY OF	480616	0185, 0170	March 8, 1974	June 3, 1986	March 21, 2019
WHITE SETTLEMENT, CITY OF	480617	0165, 0170, 0280, 0285	May 24, 1974	July 17, 1986	March 21, 2019

* PANEL NOT PRINTED - NO SPECIAL FLOOD HAZARD AREAS

NATIONAL FLOOD INSURANCE PROGRAM

MAP INDEX

FIRM FLOOD INSURANCE RATE MAP TARRANT COUNTY, TEXAS AND INCORPORATED AREAS (SEE LISTING OF COMMUNITIES TABLE)

MAP INDEX

PANELS PRINTED: 10, 20, 30, 35, 40, 45, 55, 60, 65, 70, 80, 85, 90, 95, 105, 110, 115, 120, 135, 145, 155, 160, 165, 170, 180, 185, 190, 195, 205, 210, 215, 220, 230, 235, 240, 245, 260, 270, 280, 285, 290, 295, 305, 310, 315, 320, 330, 335, 340, 345, 355, 360, 365, 370, 385, 405, 410, 415, 420, 430, 435, 440, 445, 455, 460, 465, 470, 480, 485, 490, 495

MAP NUMBER 48439CINDOB

MAP REVISED

MARCH 21, 2019

Federal Emergency Management Agency

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 in this jurisdiction.

The projection used in the preparation of this map was Texas State Plane, Zone North Central (FIPS 4202). The horizontal datum was NAD83, GRS80 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 <https://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA/NVGS12
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 their website at <https://www.ngs.noaa.gov/>.

Base map information shown on this FIRM was derived from multiple sources. This information was compiled from the U.S. Geological Survey, 1989, National Geodetic Survey, 2004, FEMA existing DFIRM data, 2009, and the North Central Texas Council of Governments, 2007 and 2010.

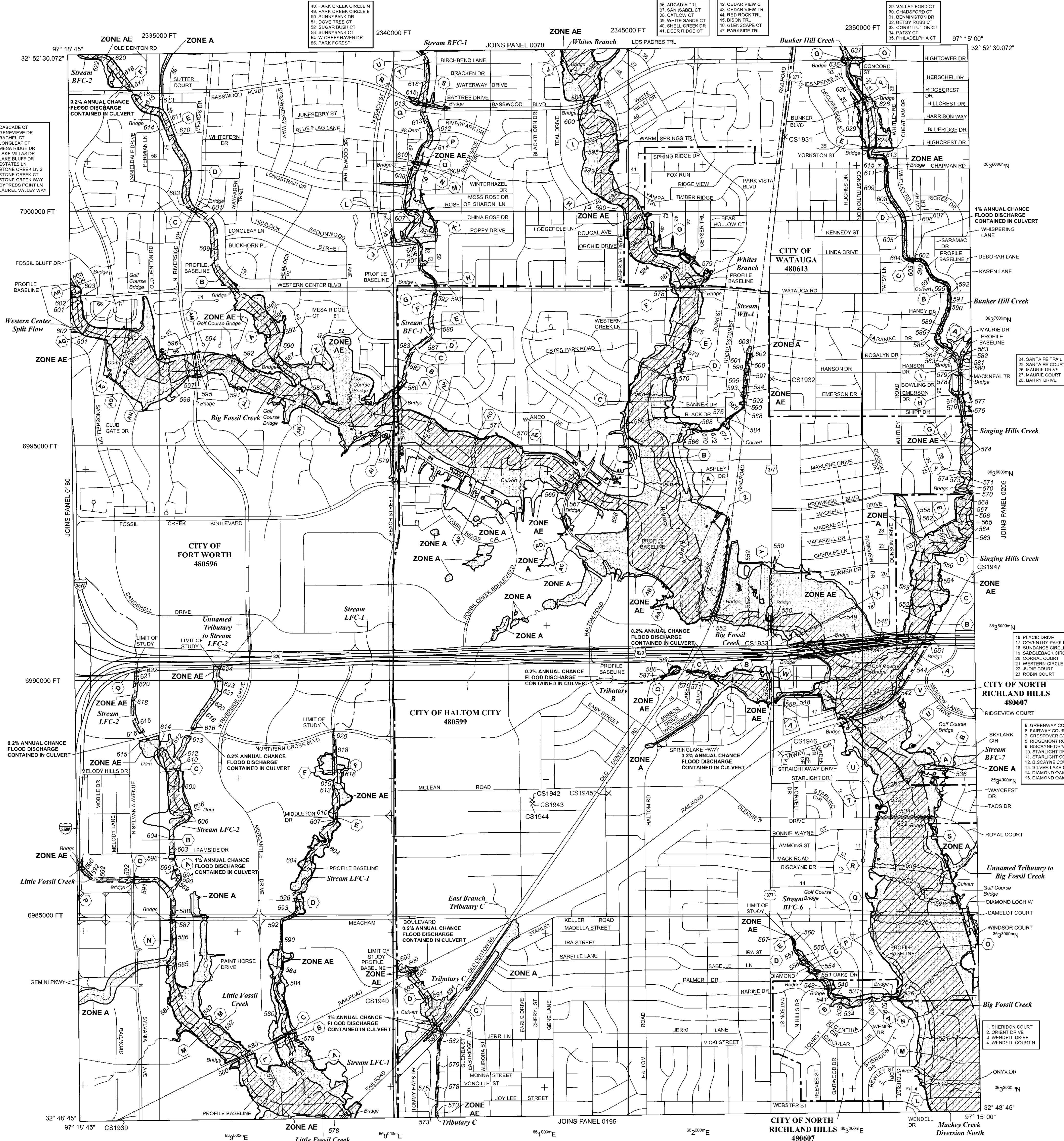
This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result,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

For information on available products associated with this FIRM visit the FEMA Map Service Center (MSC) website at <https://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 <https://www.fema.gov/national-flood-insurance-program>.



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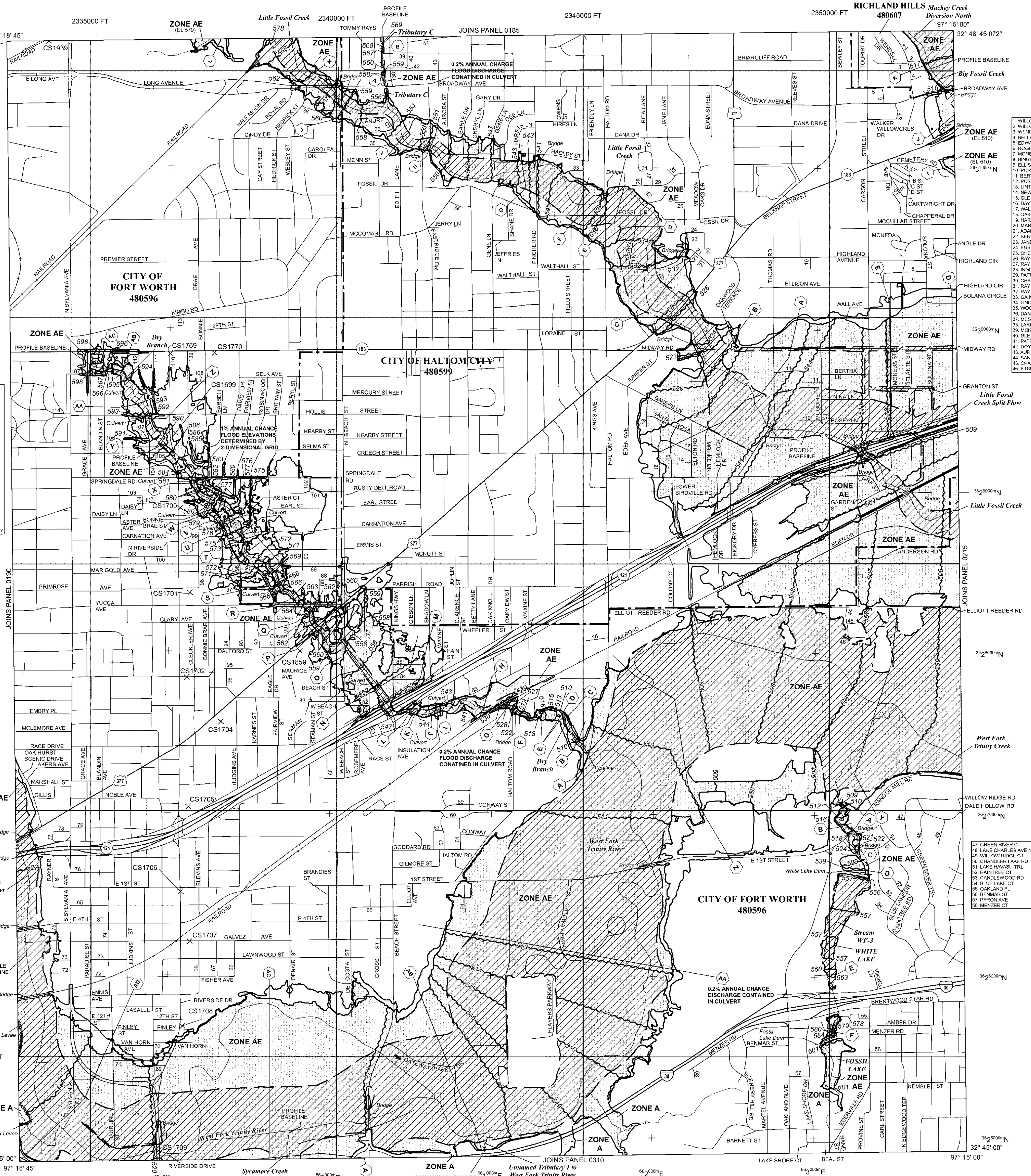
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68 PRIMROSE AVE
69 MARIGOLD AVE
70 SEAMAN ST
71 EAGLE DR
72 FAIRVIEW ST
73 KARNES ST
74 HUGHES AVE
75 BIRD ST
76 GYNNIE ST
77 PRIMROSE AVE
78 BOLTON ST
79 CARNATION AVE
100 HONEYJUCKLE AVE
101 RUSTY DELL RD
102 CALLAWAY DR
103 GOLDENROD AVE
104 N CHANDLER DR
105 SELMA ST
106 NELSON ST
107 WATUGA RD
108 LUBY ST
109 WILLIAMS PL
110 N RIVERSIDE DR
111 N CHANDLER DR E
112 N CHANDLER DR W
113 KIMBO CT
114 MOUNT OLIVET CEMETERY

65 CHENAIL ST
66 BLUE GROUND ST
67 ALVORD AVE
68 GYNNIE AVE
69 HUFFMAN ST
70 VAN HORN AVE
71 GIPSON ST
72 FISHER AVE
73 LAWNWOOD ST
74 BAURLINE ST
75 RAYNER ST
76 ROUSE ST
77 N RAYNER ST
78 TERRANCE ST
79 PITTSBURG BL
80 OILCREST DR
81 HARPER ST
82 MAURICE AVE
83 MARKS ST
84 FAIR ST
85 FOX DR
86 SEAMAN
87 N HARPER ST

59 KINGS OAKS LN
60 KINGS CR S
61 CLARENCE ST
62 WAYNE ST
63 WOOD ROSE DR
64 MECHANIC ST



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, 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 identified. 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

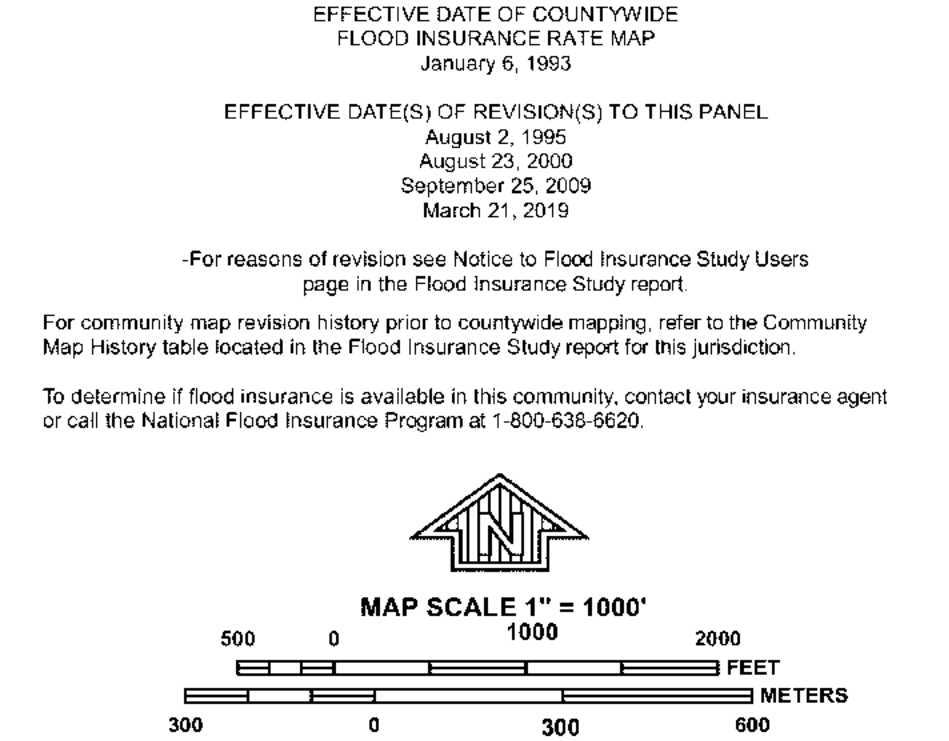
OTHERWISE PROTECTED AREAS (OPAs)

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.
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

45° 02' 08", 93° 02' 12"
3100000 FT
DX5610 X
M1.5
MAP REPOSITORIES
Refer to Map Repositories list on Map Index
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
January 6, 1993
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
August 2, 1995
August 23, 2000
September 25, 2009
March 21, 2012
For reasons of revision see Notice to Flood Insurance Study Users page in the Flood Insurance Study report.
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 1-800-635-6620.



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0195L

FIRM
FLOOD INSURANCE RATE MAP
TARRANT COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 195 OF 495
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
FORT WORTH, CITY OF	480596	0195	L
HALTOM CITY, CITY OF	480599	0195	L
NORTH RICHLAND HILLS, CITY OF	480607	0195	L

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
48439C0195L
MAP REVISED
MARCH 21, 2019
Federal Emergency Management Agency

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 in this jurisdiction.

The **projection** used in the preparation of this map was Texas State Plane, Zone North Central (FIPS 4202). The **horizontal datum** was NAD83, GRS80 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 <https://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NIMS12
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 their website at <https://www.ngs.noaa.gov/>.

Base map information shown on this FIRM was derived from multiple sources. This information was compiled from the U.S. Geological Survey 1989, National Geodetic Survey, 2004, FEMA existing DFIRM data, 2009, and the North Central Texas Council of Governments, 2007 and 2010.

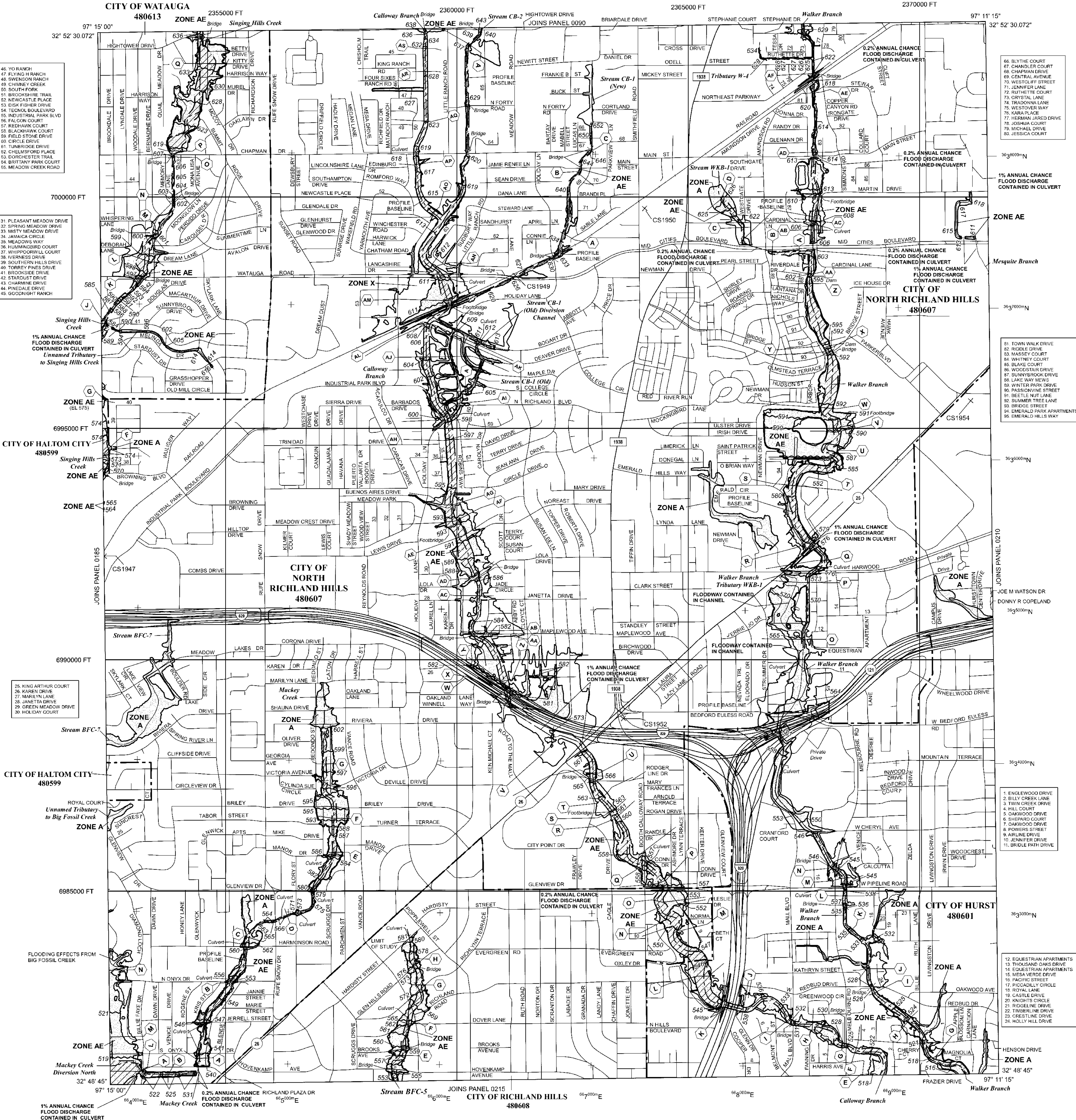
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result,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

For information on available products associated with this FIRM visit the **FEMA Map Service Center (MSC)** website at <https://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 <https://www.fema.gov/national-flood-insurance-program>.



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, 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 derelict. 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 D Areas determined to be outside the 1% annual chance floodplain.
ZONE X 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.

Base Flood Elevation value 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

Cross section line

Transect line

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

5000-foot ticks: Texas State Plane North Central Zone (FIPS Zone 4202), Lambert Conformal Conic projection

1000-meter Universal Transverse Mercator grid values, zone 14

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

January 6, 1993

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

August 2, 1986

August 23, 2000

September 25, 2009

March 21, 2015

*For reasons of revision see Notice to Flood Insurance Study Users page in the Flood Insurance Study report for this jurisdiction.

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'

500 0 1000 2000 FEET

300 0 300 600 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0205L

FIRM
FLOOD INSURANCE RATE MAP
TARRANT COUNTY, TEXAS
AND INCORPORATED AREAS

PANEL 205 OF 495
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HALTOM CITY, CITY OF	480599	0205	L
HURST, CITY OF	480601	0205	L
NORTH RICHLAND HILLS, CITY OF	480607	0205	L
RICHLAND HILLS, CITY OF	480608	0205	L
WATAUGA, CITY OF	480613	0205	L

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

48439C0205L

MAP REVISED

MARCH 21, 2019

Federal Emergency Management Agency

