

McLennan County, TX

Risk-assessment baseline packet

County FIPS: 48309 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

Hazard Plain is an independent product built from public federal data. It is not a FEMA document and is not reviewed or endorsed by FEMA or any state agency.

Summary

Plan status as of 2026-09-30: Approved, expires 2030-10-09. Plan: McLennan County (FEMA plan 110291), approved 2025-10-10.
Since the plan was approved on 2025-10-10: no new federal declaration.
NOAA Storm Events records since that date: 32 records (data through 2026-06-30).
Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$29,291,105 a year), Tornado (\$28,936,160) and Cold Wave (\$11,889,148).
Repetitive-loss flood properties now: FMA RL 3, SRL 5 (44 CFR 77.2); any definition: 30.
The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.
NRI: FEMA's National Risk Index (version 1.20, December 2025).
NFIP: National Flood Insurance Program.
RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).
FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.
PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.
Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.
County-coded: NOAA logged the event to this county.
FIPS: the federal code for a place; 48309 is this area.
D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).
F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.
kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.
CFR: Code of Federal Regulations.
A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).
Dollars: nominal (as reported, labeled with the year), not adjusted for inflation.

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Plan clock

Status:Approved, expires 2030-10-09

Plan:McLennan County (FEMA plan 110291)

Approved:2025-10-10

Days to expiry:1,470

What changed since your last plan (approved 2025-10-10)

New federal declarations:none

Storm Events records since approval:32 records (data through 2026-06-30)

Repetitive loss now:FMA RL 3, SRL 5 (44 CFR 77.2); any definition: 30

Repeat-flood change:this release sets the baseline count.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for every jurisdiction listed in this county: 23 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

State plan status and tribal plans in this state: see the state page.

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
McLennan County	County	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Bellmead city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Beverly Hills city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Bruceville-Eddy city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Crawford town	Town	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Gholson city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Hallsburg city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Hewitt city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Lacy-Lakeview city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Leroy city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Lorena city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Mart city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
McGregor city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Moody city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Riesel city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Robinson city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Ross city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Waco city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
West city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		
Woodway city	City	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Baylor University	College/ University	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20
Golinda Water Supply Corporation	Water/Sewer Authority	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
McLennan Community College Annex	College/ University	Approved, expires 2030-10-09	McLennan County (FEMA plan 110291)	2025-10-10	2030-10-09	1,470		this jurisdiction approved 2026-02-20

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)
- levee failure
- flash flood as its own subtype
- ice jams
- debris flows
- erosion (riverine and coastal)
- land subsidence and sinkholes
- expansive soils

The 18 National Risk Index hazards, ranked by expected annual loss (EAL)

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$26,650,933	\$361	\$2,639,811	\$29,291,105	123	
2	Tornado	Relatively High	Relatively High	\$5,296,612	\$7,861	\$23,631,689	\$28,936,160	23	
3	Cold Wave	Relatively High	Relatively High	\$112,442	\$123,188	\$11,653,518	\$11,889,148	8	
4	Heat Wave	Relatively Moderate	Relatively Moderate	\$644	\$1,068	\$6,206,572	\$6,208,283	59	
5	Lightning	Very High	Relatively High	\$53,032	n/a	\$1,928,142	\$1,981,173	15	
6	Hurricane	Relatively Low	Relatively Moderate	\$1,596,238	\$198,414	\$82,837	\$1,877,489	0	Declared 2 times; no Storm Events record of this type.
7	Hail	Relatively Moderate	Relatively Moderate	\$1,126,838	\$38,565	\$285,267	\$1,450,670	327	
8	Wildfire	Relatively Moderate	Relatively Moderate	\$1,076,850	\$1,054	\$99,523	\$1,177,426	3	
9	Strong Wind	Relatively Moderate	Relatively Moderate	\$487,329	\$13,255	\$221,930	\$722,514	223	Includes 2 High Wind and 4 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Earthquake	Relatively Low	Relatively Low	\$333,454	n/a	\$158,662	\$492,117		Storm Events does not record earthquakes.
11	Ice Storm	Relatively Moderate	Relatively Moderate	\$36,583	n/a	\$168,246	\$204,829	7	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
12	Drought	Relatively Low	Relatively Low	n/a	\$180,048	n/a	\$180,048	95	
13	Winter Weather	Relatively Low	Relatively Low	\$69,795	\$119	\$1,503	\$71,416	23	
14	Landslide	Very Low	Very Low	\$469	n/a	\$18	\$487	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local landslide records (Storm Events records this hazard only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: avalanche, coastal flooding, tsunامي and volcanic activity. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 3 (Relatively Low, 51.4); tract 37.11 (Relatively Low, 49.2); tract 17 (Very Low, 39.3)
Hurricane	tract 37.11 (Relatively Moderate, 78.9); tract 40 (Relatively Low, 75.0); tract 35 (Relatively Low, 74.4)
Landslide	tract 40 (Relatively Low, 84.7); tract 41.02 (Very Low, 79.0); tract 38.02 (Very Low, 74.5)
Tornado	tract 43 (Very High, 99.8); tract 37.11 (Very High, 99.7); tract 17 (Very High, 99.4)
Wildfire	tract 40 (Relatively High, 97.5); tract 41.02 (Relatively Moderate, 95.4); tract 42.02 (Relatively Moderate, 93.6)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 3 is Census Tract 3). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

Extent: scale, observed range and worst recorded event per hazard

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	8 records, 2019 to 2026 (8 zone-level)	1 day to 5 days (median 3.5 days); 6 with a recorded value	5 consecutive days, 2026-01-24 to 2026-01-28, zone-level	Extreme Cold/Wind Chill, 2021-02-14, \$2,600,000 property; crops not reported, reported for the zone (2021 dollars)	Countywide (zone-level records).	Wind chill: in event narratives only (local data needed).
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					Temperature: in event narratives only (local data needed).
Drought	U.S. Drought Monitor scale (D0 to D4)	95 records, 1996 to 2026 (95 zone-level)	6 days to 426 days (median 51 days); 28 with a recorded value	426 days (14 months), 2022-03-01 to 2023-04-30, a run of 14 consecutive Storm Events drought records, zone-level	Drought, 2006-10-01, \$500,000 property; \$500,000 crops, reported for the zone (2006 dollars)	Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	500 records, 1955 to 2026	0.75 in to 4.5 in (median 1 in); 500 with a recorded value	4.5 in hail, 2023-04-26; same size also recorded on 1976-05-25, 1992-04-28		Event records naming jurisdictions in the plan: Waco city (37 records), Lorena city (29 records), Hewitt city (25 records), Bellmead city (23 records), McGregor city (19 records), Crawford town (18 records), Moody city (18 records), West city (15 records), Lacy-Lakeview city (13 records), Robinson city (13 records); and 8 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	59 records, 1998 to 2026 (59 zone-level)	1 day to 85 days (median 5 days); 35 with a recorded value	July 2000 to September 2000 (3 monthly summary records), zone-level		Countywide (zone-level records).	Heat index: in event narratives only (local data needed).
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	7 records, 1997 to 2023 (7 zone-level)		Ice Storm, 2009-01-27, \$70,000 property; \$0 crops (2009 dollars); NWS zone TXZ159		Countywide (zone-level records).	Ice thickness: in event narratives only (local data needed).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	123 records, 1996 to 2026		Flash Flood, 2026-06-14, \$300,000 property; \$0 crops (2026 dollars)		Event records naming jurisdictions in the plan: Waco city (22 records), Hewitt city (17 records), Mart city (11 records), Crawford town (10 records), Beverly Hills city (9 records), Moody city (7 records), Woodway city (7 records), McGregor city (6 records), West city (5 records), Bellmead city (4 records); and 5 more jurisdictions (see the Excel file).	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					Physical measure: in event narratives only (local data needed).
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	15 records, 1997 to 2025		Lightning, 2007-05-02, \$0 property; \$0 crops (2007 dollars), 1 direct death	Lightning, 1997-09-03, \$80,000 property; crops not reported (1997 dollars)	Event records naming jurisdictions in the plan: Waco city (4 records), Bellmead city (3 records), Woodway city (2 records), Hallsburg city (1 record), Hewitt city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only (local data needed).
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	6 records, 2006 to 2025 (6 zone-level)	28 kt (32 mph) to 61 kt (70 mph) (median 40 kt (46 mph)); 6 with a recorded value	61 kt (70 mph) measured gust, High Wind, 2024-04-28; NWS zone TXZ159	Strong Wind, 2014-03-12, \$80,000 property; \$0 crops, reported for the zone (2014 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	381 records, 1955 to 2025	43 kt (49 mph) to 77 kt (89 mph) (median 53 kt (61 mph)); 248 with a recorded value	77 kt (89 mph), measurement type not recorded, Thunderstorm Wind, 1972-04-21	Thunderstorm Wind, 2006-05-05, \$3,000,000 property; crops not reported (2006 dollars)	Event records naming jurisdictions in the plan: Waco city (49 records), Crawford town (13 records), West city (12 records), McGregor city (11 records), Woodway city (10 records), Moody city (9 records), Hewitt city (8 records), Mart city (8 records), Bellmead city (7 records), Lorena city (7 records); and 9 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	67 records, 1952 to 2025	F/EF0 to F/EF5 (median F/EF1); 64 with a recorded value	F5 tornado, 1953-05-11, 20.9 mi path length (whole path, pre-1996), 583 yd wide, \$25,000,000 property; crops not recorded (1953 dollars), 114 direct deaths, 597 direct injuries		Event records naming jurisdictions in the plan: Waco city (3 records), West city (3 records), McGregor city (2 records), Bruceville-Eddy city (1 record), Crawford town (1 record), Gholson city (1 record), Leroy city (1 record), Lorena city (1 record), Moody city (1 record), Riesel city (1 record); and 1 more jurisdiction (see the Excel file).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	3 records, 2011 to 2015 (3 zone-level)		Wildfire, 2012-12-20, \$75,000 property; \$0 crops (2012 dollars), 1 direct injury (reported for the zone); NWS zone TXZ159		Countywide (zone-level records).	Acres burned: in event narratives only (local data needed).
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	23 records, 1996 to 2026 (23 zone-level)		Winter Weather, 2017-12-31, \$50,000 property; \$0 crops (2017 dollars); NWS zone TXZ159		Countywide (zone-level records).	Snow depth: in event narratives only (local data needed).

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records whose zone no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

Dollars are nominal (as reported), labeled with the year; not adjusted for inflation.

A monthly summary record covers most or all of a month; it does not count days at wave conditions.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 25 declarations covering 15 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2021-02-19	2021-02-11	DR-4586-TX	Major disaster	Severe Winter Storms	Ice Storm	\$679,740.96	
2021-02-14	2021-02-11	EM-3554-TX	Emergency	Severe Winter Storm	Ice Storm	no Public Assistance recorded	same incident as DR-4586
2020-03-25	2020-01-20	DR-4485-TX	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$8,109,999.87	
2020-03-13	2020-01-20	EM-3458-TX	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4485
2015-05-29	2015-05-04	DR-4223-TX	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds and Flooding	Inland Flooding; Strong Wind; Tornado	\$1,002,610.69	
2013-08-02	2013-04-17	DR-4136-TX	Major disaster	Explosion	Non-natural, not counted	\$25,173,245.37	
2013-04-19	2013-04-17	EM-3363-TX	Emergency	Explosion	Non-natural, not counted	\$3,823,307.55	same incident as DR-4136

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Notes
						<i>federal share obligated, nominal dollars</i>	
2008-09-10	2008-09-07	EM-3294-TX	Emergency	Hurricane Ike	Hurricane	no Public Assistance recorded	
2008-03-14	2008-03-14	EM-3284-TX	Emergency	Wildfires	Wildfire	no Public Assistance recorded	
2007-08-18	2007-08-17	EM-3277-TX	Emergency	Hurricane Dean	Hurricane	no Public Assistance recorded	
2007-06-29	2007-06-16	DR-1709-TX	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$1,134,730.72	
2006-01-11	2005-11-27	DR-1624-TX	Major disaster	Extreme Wildfire Threat	Wildfire	\$15,809.17	
2005-09-24	2005-09-23	DR-1606-TX	Major disaster	Hurricane Rita	Hurricane: evacuation support (county designated for sheltering evacuees, no Individual Assistance), not a local hazard event; not counted	\$1,376.21	
2005-09-21	2005-09-20	EM-3261-TX	Emergency	Hurricane Rita	Hurricane: evacuation support (county designated for sheltering evacuees, no Individual Assistance), not a local hazard event; not counted	no Public Assistance recorded	same incident as DR-1606
2005-09-02	2005-08-29	EM-3216-TX	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$380,232.04	
2003-02-01	2003-02-01	EM-3171-TX	Emergency	Loss of the Space Shuttle Columbia	Non-natural, not counted	no Public Assistance recorded	
1999-09-01	1999-08-01	EM-3142-TX	Emergency	Extreme Fire Hazards	Wildfire	no Public Assistance recorded	
1998-08-26	1998-08-22	DR-1239-TX	Major disaster	Tropical Storm Charley	Hurricane; Inland Flooding: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county	
1996-02-23	1996-02-23	EM-3117-TX	Emergency	Extreme Fire Hazard	Wildfire	no Public Assistance recorded	
1993-09-10	1993-08-30	EM-3113-TX	Emergency	Extreme Fire Hazard	Drought (primary); also designated: Wildfire	no Public Assistance recorded	
1991-12-26	1991-12-20	DR-930-TX	Major disaster	Severe Thunderstorms	Inland Flooding	PA not declared for this county	
1990-05-02	1990-04-15	DR-863-TX	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	PA not declared for this county	
1989-05-19	1989-05-04	DR-828-TX	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded	
1974-11-30	1974-11-30	DR-454-TX	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1973-03-12	1973-03-12	DR-365-TX	Major disaster	High Winds, Tornadoes and Flooding	Inland Flooding; Strong Wind; Tornado	no Public Assistance recorded	

School districts and special districts in this county: \$2,328,452.49 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1998-06-23	1998-06-04	EM-3127-TX	Emergency	Fire	Wildfire
1963-09-24	1963-09-24	DR-159-TX	Major disaster	Hurricane Cindy	Hurricane (primary); also designated: Inland Flooding
1961-09-16	1961-09-16	DR-118-TX	Major disaster	Hurricane Carla	Hurricane (primary); also designated: Inland Flooding
1960-07-15	1960-07-15	DR-103-TX	Major disaster	Heavy Rains, Hail, Floods & Tornadoes	Hail; Inland Flooding; Tornado
1959-07-08	1959-07-08	DR-93-TX	Major disaster	Floods	Inland Flooding
1958-06-06	1958-06-06	DR-85-TX	Major disaster	Tornadoes, Rain, Hail & Floods	Tornado (primary); also designated: Hail, Inland Flooding
1957-04-29	1957-04-29	DR-72-TX	Major disaster	Hurricane, Rain, Wind, Hail & Floods	Hurricane (primary); also designated: Hail, Inland Flooding
1954-07-01	1954-07-01	DR-18-TX	Major disaster	Flood	Inland Flooding
1953-06-19	1953-06-19	DR-9-TX	Major disaster	Flood	Inland Flooding
1953-05-15	1953-05-15	DR-2-TX	Major disaster	Tornado & Heavy Rainfall	Tornado

FEMA recorded these with designated area Statewide and no county, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

91 Fire Management declarations (1988-03-12 to 2009-04-10) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance not placed in any Texas county: 1 row, \$902,084.65; listed on the Texas state page.

Source: 3

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	8	2	4	6	0	0	1996 to 2026-06-30	
Drought	95	2	3	26	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	500	14	16	65	0	0	1955 to 2026-06-30	
Heat Wave	59	1	2	34	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)
Ice Storm	7	0	0	1	1	0	1996 to 2026-06-30	

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Inland Flooding	123	8	7	27	7	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	15	0	1	1	0	0	1996 to 2026-06-30	
Strong Wind	387	4	9	37	2	0	1955 to 2026-06-30	Includes 2 High Wind and 4 Strong Wind records.
Tornado	67	0	1	8	5	0	1950 to 2026-06-30	
Wildfire	3	0	0	0	5	0	1996 to 2026-06-30	
Winter Weather	23	1	0	1	0	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2026-06-14	Flash Flood		\$300,000 property; \$0 crops (2026 dollars)	0, 0	HEWITT	new since last plan; within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2026-01-24	Extreme Cold/ Wind Chill		\$0 property; \$0 crops, reported for the zone (2026 dollars)	0, 0	NWS zone TXZ159 (MCLENNAN), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2024-04-28	High Wind	61 kt (70 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2024 dollars)	0, 0	NWS zone TXZ159 (MCLENNAN), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2023-04-26	Hail	4.5 in	\$4,000,000 property; \$0 crops (2023 dollars)	0, 0	WACO	within last 5 years	B1-c worst recorded: Hail
2021-02-14	Extreme Cold/ Wind Chill		\$2,600,000 property; crops not reported, reported for the zone (2021 dollars)	1, 0	NWS zone TXZ159 (MCLENNAN), zone-level		deaths or injuries recorded
2012-12-20	Wildfire		\$75,000 property; \$0 crops, reported for the zone (2012 dollars)	0, 1	NWS zone TXZ159 (MCLENNAN), zone-level		B1-c worst recorded: Wildfire
2009-01-27	Ice Storm		\$70,000 property; \$0 crops, reported for the zone (2009 dollars)	0, 0	NWS zone TXZ159 (MCLENNAN), zone-level		B1-c worst recorded: Ice Storm
2007-05-02	Lightning		\$0 property; \$0 crops (2007 dollars)	1, 0	HALLSBURG		B1-c worst recorded: Lightning
2000-07-01	Heat		damage not reported	0, 0	NWS zone TXZ159 (MCLENNAN), zone-level		B1-c worst recorded: Excessive Heat, Heat
1998-12-22	Ice Storm		damage not reported	6, 0	NWS zone TXZ159 (MCLENNAN), zone-level		deaths or injuries recorded
1972-04-21	Thunderstorm Wind	77 kt (89 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1953-05-11	Tornado	F5, 20.9 mi path length (whole path, pre-1996), 583 yd wide	\$25,000,000 property; crops not recorded (1953 dollars)	114, 597	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,287 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

Tribal and special-area declarations in this state are listed on the state page.

Supports FEMA checklist item B1-e: probability of future events

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	0.684	event-days per year	about 0.684 days per year	Likely (from Storm Events: 3 of 30 years)	event-days in 3 of 30 years, 1996 to 2025 (10%)	13	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	44.5	event-days per year	about 44.5 days per year	Likely (from Storm Events: 22 of 30 years)	event-days in 22 of 30 years, 1996 to 2025 (73.3%)	1,897	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000631	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0631%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	4.68	events per year	about 4.68 per year	Highly likely	FEMA annualized frequency (modeled)	177.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	16.9	event-days per year	about 16.9 days per year	Likely (from Storm Events: 11 of 30 years)	event-days in 11 of 30 years, 1996 to 2025 (36.7%)	280	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0459	events per year	about 1 in 22 years	Possible	FEMA annualized frequency (modeled)	18	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.895	event-days per year	about 0.895 days per year	Likely (from Storm Events: 7 of 30 years)	event-days in 7 of 30 years, 1996 to 2025 (23.3%)	61	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.29	event-days per year	about 2.29 days per year	Likely (from Storm Events: 23 of 30 years)	event-days in 23 of 30 years, 1996 to 2025 (76.7%)	64	1996 to 2023 (28 years)	see B1-f	
Landslide	0.15	events per year (modeled)	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	51.5	days per year with a strike	about 51.5 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.06	events per year	about 2.06 per year	Highly likely	FEMA annualized frequency (modeled)	79	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Tornado	0.715	events per year	about 0.71 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00167	annual probability at a location	chance a given location in the county burns in a year: 0.167%	Likely (from Storm Events: 3 of 30 years)	Storm Events records in 3 of 30 years, 1996 to 2025 (10%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI.
Winter Weather	3.11	event-days per year	about 3.11 days per year	Likely (from Storm Events: 16 of 30 years)	event-days in 16 of 30 years, 1996 to 2025 (53.3%)	59	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	186	30	6.2
Hail	2.00 in+	1996 to 2025	17	30	0.567
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	158	30	5.27
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	12	30	0.4
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	47	30	1.57
Tornado	EF0-1	1996 to 2025	15	30	0.5
Tornado	EF2-3	1996 to 2025	6	30	0.2
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	2	30	0.0667

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	58 of 58	17.3	84.6	96.1	Very High 1, Relatively High 42, Relatively Moderate 14, Very Low 1
Drought	34 of 58	70.3	80.9	92.3	Relatively Moderate 1, Relatively Low 19, Very Low 14, No Rating 24
Earthquake	58 of 58	4.7	22.5	51.4	Relatively Low 2, Very Low 56
Hail	58 of 58	40.3	71.9	89.7	Relatively High 1, Relatively Moderate 38, Relatively Low 19
Heat Wave	58 of 58	2.0	82.3	94.5	Relatively High 21, Relatively Moderate 36, Very Low 1
Hurricane	58 of 58	48.6	61.7	78.9	Relatively Moderate 1, Relatively Low 55, Very Low 2
Ice Storm	58 of 58	2.1	41.8	67.0	Relatively Low 45, Very Low 13
Inland Flooding	58 of 58	0.6	44.2	81.4	Relatively High 2, Relatively Moderate 23, Relatively Low 25, Very Low 8
Landslide	57 of 58	12.2	41.1	84.7	Relatively Low 1, Very Low 56, No Rating 1
Lightning	58 of 58	1.0	85.4	97.8	Very High 3, Relatively High 37, Relatively Moderate 17, Very Low 1
Strong Wind	58 of 58	12.8	42.1	75.1	Relatively Moderate 9, Relatively Low 48, Very Low 1

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	58 of 58	31.4	95.0	99.8	Very High 32, Relatively High 25, Relatively Low 1
Wildfire	53 of 58	20.5	81.7	97.5	Relatively High 1, Relatively Moderate 13, Relatively Low 23, Very Low 16, No Rating 5
Winter Weather	58 of 58	19.3	33.9	64.9	Relatively Moderate 4, Relatively Low 54

Drought: Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

Rated tracts only: No Rating (score 0.0), Not Applicable and Insufficient Data tracts are counted but not used for the minimum, median and maximum.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, drought, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
McLennan County	County	Approved, expires 2030-10-09	FMA RL 2, SRL 2; any 6	\$588,869	0 total; 0 since its plan	Includes \$155,769.20 for declarations not counted as hazard incidents (EM-3363-TX).
Bellmead city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 1	\$37,218.96	37 total; 1 since its plan	Includes \$20,245.72 for declarations not counted as hazard incidents (DR-4485-TX, EM-3363-TX).
Beverly Hills city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 1	no Public Assistance recorded	15 total; 0 since its plan	
Bruceville-Eddy city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	8 total; 0 since its plan	
Crawford town	Town	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	42 total; 0 since its plan	
Gholson city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	9 total; 0 since its plan	
Hallsburg city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	10 total; 5 since its plan	
Hewitt city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 4	\$13,670.27	51 total; 4 since its plan	Includes \$13,670.27 for declarations not counted as hazard incidents (EM-3363-TX).
Lacy-Lakeview city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 1	\$13,467.64	15 total; 0 since its plan	Includes \$13,467.64 for declarations not counted as hazard incidents (EM-3363-TX).
Leroy city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	14 total; 0 since its plan	
Lorena city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	40 total; 0 since its plan	
Mart city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	\$26,100.28	27 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
McGregor city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	38 total; 2 since its plan	
Moody city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	35 total; 0 since its plan	
Riesel city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	\$1,376.21	8 total; 0 since its plan	Includes \$1,376.21 for declarations not counted as hazard incidents (DR-1606-TX).
Robinson city	City	Approved, expires 2030-10-09	FMA RL 1, SRL 3; any 6	\$4,871.92	19 total; 1 since its plan	Includes \$4,871.92 for declarations not counted as hazard incidents (EM-3363-TX).
Ross city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	4 total; 0 since its plan	
Waco city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 8	\$3,160,690.84	115 total; 1 since its plan	Includes \$1,288,517.12 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX, EM-3363-TX).
West city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 0	\$1,836,617.84	35 total; 3 since its plan	Includes \$1,836,617.84 for declarations not counted as hazard incidents (DR-4136-TX, EM-3363-TX).
Woodway city	City	Approved, expires 2030-10-09	FMA RL 0, SRL 0; any 3	\$24,677.15	29 total; 3 since its plan	Includes \$15,132.65 for declarations not counted as hazard incidents (EM-3216-TX, EM-3363-TX).

Repetitive-loss counts are for whole NFIP communities, which can extend beyond this county (see the note in B2-c).

School districts and special districts get a plan clock row only.

County Public Assistance in B1-d also includes applicants filed under the county that are not jurisdictions in this plan (for example state agencies, special districts and nonprofits), so the jurisdiction rows add up to less.

Supports FEMA checklist items B2-a and B2-b: vulnerability and potential impacts

Local data needed

The table below gives county-level starting figures; the plan describes impacts for each jurisdiction and its own assets.

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets
- Texas A&M Forest Service TxWRAP for wildfire risk; Texas State Hazard Mitigation Plan hazard list for B1-a exclusions.

County-level starter: exposure, expected annual loss and damage since the plan

Sources: 1, 2, 3, 5, 6, 7

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-10-10 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Cold Wave	\$56,240,347,194	\$231,327,079	260,302	\$112,442	\$123,188	\$11,653,518	0.0002%		\$0		
Drought	n/a	\$59,387,396	n/a	n/a	\$180,048	n/a	0.303% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$103,774,219,382	n/a	260,579	\$333,454	n/a	\$158,662	0.000321%				
Hail	\$56,240,347,194	\$231,327,079	260,302	\$1,126,838	\$38,565	\$285,267	0.002%	\$293,000			
Heat Wave	\$56,240,347,194	\$231,327,079	260,302	\$644	\$1,068	\$6,206,572	under 0.0001%		\$0		
Hurricane	\$56,232,796,573	\$230,941,422	260,218	\$1,596,238	\$198,414	\$82,837	0.00284%				
Ice Storm	\$56,239,785,672	n/a	260,302	\$36,583	n/a	\$168,246	under 0.0001%				
Inland Flooding	\$56,221,637,424	\$40,149,374	13,747	\$26,650,933	\$361	\$2,639,811	n/a (see note)	\$1,195,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$329,160,119	n/a	1,268	\$469	n/a	\$18	0.000142%				
Lightning	\$56,240,347,194	n/a	260,302	\$53,032	n/a	\$1,928,142	under 0.0001%				
Strong Wind	\$56,240,347,194	\$231,327,079	260,302	\$487,329	\$13,255	\$221,930	0.000867%	\$65,000			
Tornado	\$56,240,347,194	\$231,327,079	260,302	\$5,296,612	\$7,861	\$23,631,689	0.00942%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-10-10 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$7,822,222,945	\$85,150,842	49,725	\$1,076,850	\$1,054	\$99,523	0.0138%				
Winter Weather	\$56,240,347,194	\$231,327,079	260,302	\$69,795	\$119	\$1,503	0.000124%		\$0		

Totals since 2025-10-10 (Storm Events through 2026-06-30): 26 county-coded records, 26 with a damage value recorded (including \$0), \$1,553,000; 6 zone-level records, 6 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	260,302
Building value (total, not at risk)	\$56,240,347,194
Agriculture value (total, not at risk)	\$231,327,079
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$37,405,151
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$47,077,717
Social vulnerability rating	Relatively High
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	3	Severe repetitive loss, FMA definition (44 CFR 77.2)	5
Repetitive loss, NFIP insurance definition	30	Severe repetitive loss, NFIP insurance definition	5

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	3	5	30	5	30	0	10
of which: McLennan County (unincorporated area)	2	2	6	2	6	0	2
of which: Bellmead city	0	0	1	0	1	0	1
of which: Hewitt city	0	0	4	0	4	0	0
of which: Robinson city	1	3	6	3	6	0	2
of which: Waco city	0	0	8	0	8	0	3
of which: Woodway city	0	0	3	0	3	0	1
of which: Beverly Hills city	0	0	1	0	1	0	1
of which: Lacy-Lakeview city	0	0	1	0	1	0	0
Statewide, no county in FEMA's file	3	8	12	7	13	1	9

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
McLennan County	480456	2	2	6	2	6	0	2
Bellmead city	480457	0	0	1	0	1	0	1
Beverly Hills city	480925	0	0	1	0	1	0	1
Bruceville-Eddy city	481302	0	0	0	0	0	0	0
Crawford town	480926	0	0	0	0	0	0	0
Gholson city	481521	0	0	0	0	0	0	0
Hallsburg city	481522	0	0	0	0	0	0	0

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Hewitt city	480458	0	0	4	0	4	0	0
Lacy-Lakeview city	480927	0	0	1	0	1	0	0
Leroy city	481314	0	0	0	0	0	0	0
Lorena city	480928	0	0	0	0	0	0	0
Mart city	480929	0	0	0	0	0	0	0
McGregor city	480459	0	0	0	0	0	0	0
Moody city	480930	0	0	0	0	0	0	0
Riesel city	481316	0	0	0	0	0	0	0
Robinson city	480460	1	3	6	3	6	0	2
Ross city	481317	0	0	0	0	0	0	0
Waco city	480461	0	0	8	0	8	0	3
West city	480931	0	0	0	0	0	0	0
Woodway city	480462	0	0	3	0	3	0	1

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	3	4	27	4	27	0	8
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	1	3	1	3	0	2
not reported	0	0	0	0	0	0	0

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 27 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)
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What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment, organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B. Each section heading names the item its tables support; the plan and FEMA's review decide whether the item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

Reuse, citation and corrections

Reuse and citation: Hazard Plain text and tables are licensed under Creative Commons Attribution 4.0 International (CC BY 4.0, <https://creativecommons.org/licenses/by/4.0/>); credit Hazard Plain and the release. The underlying federal data are public domain; OpenFEMA data are also subject to the OpenFEMA terms and conditions.

Cite this: Hazard Plain (2026). McLennan County, TX: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 48309). Automated baseline. <https://hazardplain.org/tx/48309/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

Corrections: to report an error, name the packet, the table and what your records show. Contact: contact@hazardplain.org

Hazard Plain release 2026-10. As of 2026-09-30; Storm Events data through 2026-06-30. Automated baseline.