

San Juan County, NM

Risk-assessment baseline packet

County FIPS: 35045 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: No approved plan on record.
Update: FEMA tracker shows a plan in review.
Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$31,069,712 a year), Drought (\$4,759,000) and Cold Wave (\$3,499,050).
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; 35045 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.

CONTENTS

- 1. Summary and terms used, page 1
- 2. Plan clock, page 2
- 3. What changed since your last plan, page 2
- 4. B1-a: hazard identification, page 3
- 5. B1-b: hazard location, page 5
- 6. B1-c: hazard extent, page 5
- 7. B1-d: previous occurrences, page 8
- 8. B1-e: probability of future events, page 11
- 9. B1-f: hazards that vary across jurisdictions, page 13
- 10. B2-a and B2-b: vulnerability and potential impacts, page 14
- 11. B2-a: vulnerability (county context), page 16
- 12. B2-c: repetitive loss properties, page 16
- 13. Sources, what the plan adds, disclaimer and citation, page 17

Plan clock

Status:	No approved plan on record	Plan:	none
Approved:	none	Expires:	none
Update underway:	FEMA tracker shows a plan in review		

FEMA's plan status data lists no approved plan for this jurisdiction.

What changed since your last plan

Not available. No approved plan on record, so there is no approval date to count from.

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

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
San Juan County	County	No approved plan on record	none	none	none		FEMA tracker shows a plan in review
Aztec city	City	No approved plan on record	none	none	none		FEMA tracker shows a plan in review
Bloomfield city	City	No approved plan on record	none	none	none		FEMA tracker shows a plan in review
Farmington city	City	No approved plan on record	none	none	none		FEMA tracker shows a plan in review
Kirtland town	Town	No approved plan on record	none	none	none		FEMA tracker shows a plan in review

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

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 modeled dollars per year	EAL agriculture modeled dollars per year	Cost of expected deaths and injuries FEMA's dollar value per year, not property damage	EAL total (see note) modeled dollars per year	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$30,544,030	\$1,276	\$524,407	\$31,069,712	54		
2	Drought	Relatively High	Relatively High	n/a	\$4,759,000	n/a	\$4,759,000	72		
3	Cold Wave	Relatively Moderate	Relatively Moderate	\$234	\$5,150	\$3,493,666	\$3,499,050	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
4	Earthquake	Relatively Low	Relatively Low	\$1,240,599	n/a	\$261,749	\$1,502,349			Storm Events does not record earthquakes.
5	Lightning	Relatively High	Relatively High	\$13,527	n/a	\$1,374,873	\$1,388,400	5		
6	Heat Wave	Relatively Moderate	Relatively Low	\$215	\$6,463	\$902,942	\$909,620	2		
7	Wildfire	Relatively Low	Relatively Low	\$263,536	\$8	\$21,460	\$285,003	5		
8	Winter Weather	Relatively High	Relatively Moderate	\$14,662	\$2,272	\$216,129	\$233,063	28		
9	Tornado	Very Low	Very Low	\$71,314	\$53	\$108,049	\$179,416	7		
10	Strong Wind	Relatively Low	Relatively Low	\$27,956	\$56	\$104,755	\$132,767	53		Includes 15 High Wind records (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
11	Landslide	Relatively Moderate	Relatively Low	\$31,059	n/a	\$20,117	\$51,177	0		Declared 1 time; no Storm Events record of this type.

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>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
12	Hail	Very Low	Very Low	\$16,413	\$2,178	\$14,041	\$32,632	25		
13	Ice Storm	Relatively Low	Relatively Low	\$21,922	n/a	\$8,284	\$30,206	0		Declared 1 time; no Storm Events record of this type.
14	Avalanche	Very Low	Very Low	under \$1	n/a	\$47	\$47	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Hurricane	Not Applicable	Not Applicable					0	NRI rates hurricane Not Applicable for this county, and no counted federal declaration for this county names it (EM-3229-NM names it but is not counted as a local occurrence; see B1-d).	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: coastal flooding, tsunami 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>
Avalanche	tract 9432.01 (Very Low, 14.2); tract 9429 (Very Low, 14.1); tract 9431 (Very Low, 14.1)
Earthquake	tract 4.02 (Relatively Moderate, 78.0); tract 9432.01 (Relatively Low, 76.8); tract 2.07 (Relatively Low, 75.2)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 9429 (Relatively Moderate, 98.9); tract 9433 (Relatively Moderate, 98.3); tract 9432.01 (Relatively Moderate, 98.3)
Tornado	tract 9428.02 (Very Low, 26.2); tract 9432.01 (Very Low, 24.7); tract 7.07 (Very Low, 23.0)
Wildfire	tract 6.11 (Relatively Moderate, 93.2); tract 7.06 (Relatively Moderate, 92.7); tract 9429 (Relatively Moderate, 92.4)

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 9432.01 is Census Tract 9432.01). 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
Avalanche	none (count and damage only)	0					
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Drought	U.S. Drought Monitor scale (D0 to D4)	72 records, 2019 to 2026 (72 zone-level)	59 days to 1,263 days (median 426.5 days); 4 with a recorded value	1263 days (about 41.5 months), 2019-10-16 to 2023-03-31, a run of 42 consecutive Storm Events drought records, zone-level		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)	28 records, 1965 to 2026	0.75 in to 1.75 in (median 1 in); 28 with a recorded value	1.75 in hail, 2024-06-21; same size also recorded on 1965-08-02, 2010-10-06, 2012-10-12, 2014-09-29, 2015-06-11	Hail, 2013-09-18, \$1,000 property; \$0 crops (2013 dollars)	Event records naming jurisdictions in the plan: Farmington city (8 records), Bloomfield city (5 records), Aztec city (1 record), Kirtland town (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	2 records, 1998 to 2021 (1 zone-level)	1 day; 1 with a recorded value	1 consecutive day, 2021-07-10		Event records naming jurisdictions in the plan: Farmington city (1 record). Zone-level records (1) apply countywide.	Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
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)	0					
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	54 records, 1996 to 2025		Flash Flood, 2010-08-01, \$2,000,000 property; \$0 crops (2010 dollars)		Event records naming jurisdictions in the plan: Bloomfield city (8 records), Farmington city (5 records), Aztec city (3 records), Kirtland town (2 records).	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					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 2000 to 2009		Lightning, 2003-08-02, damage not reported, 1 direct death, 1 direct injury	Lightning, 2003-08-13, \$30,000 property; crops not reported (2003 dollars)	Event records naming jurisdictions in the plan: Farmington city (2 records).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	15 records, 2020 to 2026 (15 zone-level)	50 kt (58 mph) to 62 kt (71 mph) (median 52 kt (60 mph)); 15 with a recorded value	62 kt (71 mph) measured gust, High Wind, 2022-04-22; same speed and measurement basis also recorded on 2020-10-25; NWS zone NMZ201	High Wind, 2023-04-19, \$10,000 property; crops not reported (zone total, 2023 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	54 records, 1964 to 2026	48 kt (55 mph) to 90 kt (104 mph) (median 53 kt (61 mph)); 47 with a recorded value	90 kt (104 mph) estimated gust, Thunderstorm Wind, 2015-08-26	Thunderstorm Wind, 2024-08-21, \$3,000,000 property; crops not reported (2024 dollars)	Event records naming jurisdictions in the plan: Farmington city (6 records), Bloomfield city (4 records), Aztec city (3 records), Kirtland town (1 record).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	11 records, 1957 to 2022	F/EF0 to F/EF2 (median F/EF0); 10 with a recorded value	F2 tornado, 1968-06-18, 0.5 mi path length (whole path, pre-1996), 500 yd wide, \$250,000 property; crops not recorded (1968 dollars), 3 direct injuries		Event records naming jurisdictions in the plan: Bloomfield city (1 record).	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).
Wildfire	acres burned (local data)	5 records, 2021 to 2025 (5 zone-level)		Wildfire, 2021-05-16, \$300,000 property; \$0 crops (2021 dollars); NWS zone NMZ201		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	28 records, 2020 to 2026 (28 zone-level)		No damage reported in 28 records.		Countywide (zone-level records).	

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of avalanche, debris flow and lightning.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records from zones that 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.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 11 declarations covering 7 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

No approved plan on record, so there is no approval date to count from.

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>	Flags	Notes
2024-06-20	2024-06-17	DR-4795-NM	Major disaster	South Fork Fire, Salt Fire, and Flooding	Wildfire	\$3,062,275.96	within last 5 years	
2020-04-05	2020-01-20	DR-4529-NM	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$212,197.85		
2020-03-13	2020-01-20	EM-3460-NM	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4529
2013-10-29	2013-09-09	DR-4152-NM	Major disaster	Severe Storms, Flooding, and Mudslides	Inland Flooding (primary); also designated: Landslide	\$2,424,701.68		
2012-06-18	2012-06-18	FM-2981-NM	Fire management	Blanco (Cr 4901) Fire	Wildfire	no Public Assistance recorded		
2010-09-13	2010-07-25	DR-1936-NM	Major disaster	Severe Storms and Flooding	Inland Flooding	\$1,950,464.87		
2005-09-07	2005-08-29	EM-3229-NM	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$5,036.13		
2000-05-13	2000-05-05	DR-1329-NM	Major disaster	Severe Forest Fire	Wildfire	PA not declared for this county		
2000-05-10	2000-05-05	EM-3154-NM	Emergency	Severe Fire Threats	Wildfire	no Public Assistance recorded		same incident as DR-1329
1999-09-22	1999-07-16	DR-1301-NM	Major disaster	Severe Ice Storms, Flooding and Heavy Rains	Ice Storm; Inland Flooding	\$163,686.19		
1977-03-02	1977-03-02	EM-3034-NM	Emergency	Drought	Drought	no Public Assistance recorded		

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
1998-07-02	1998-06-29	EM-3128-NM	Emergency	Extreme Fire Hazards	Wildfire
1955-08-15	1955-08-15	DR-38-NM	Major disaster	Flood	Inland Flooding
1954-10-13	1954-10-13	DR-27-NM	Major disaster	Flood	Inland Flooding

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.

5 Fire Management declarations (1974-05-21 to 2003-05-10) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance not placed in any New Mexico county: 1 row, \$6,157.13; listed on the New Mexico 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 <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
Avalanche	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Drought	72			48	1		1996 to 2026-06-30	
Earthquake	0			0	0			Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	28			3	0		1955 to 2026-06-30	
Heat Wave	2			0	0		1996 to 2026-06-30	
Hurricane	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	0			0	1		1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Inland Flooding	54			13	3		1996 to 2026-06-30	
Landslide	0			0	1		1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	5			0	0		1996 to 2026-06-30	
Strong Wind	69			34	0		1955 to 2026-06-30	Includes 15 High Wind records.
Tornado	11			1	0		1950 to 2026-06-30	
Wildfire	5			3	3		1996 to 2026-06-30	
Winter Weather	28			23	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
2024-06-21	Hail	1.75 in	\$0 property; \$0 crops (2024 dollars)	0, 0	BLOOMFIELD	within last 5 years	B1-c worst recorded: Hail
2022-04-22	High Wind	62 kt (71 mph) measured gust	\$0 property; \$0 crops (zone total, 2022 dollars)	0, 0	NWS zone NMZ201 (NORTHWEST PLATEAU), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2021-07-10	Excessive Heat		\$0 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone NMZ201 (NORTHWEST PLATEAU), zone-level		B1-c worst recorded: Excessive Heat, Heat
2021-05-16	Wildfire		\$300,000 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone NMZ201 (NORTHWEST PLATEAU), zone-level		B1-c worst recorded: Wildfire
2019-10-16	Drought		damage not reported	0, 0	NWS zone NMZ201 (NORTHWEST PLATEAU), zone-level		B1-c worst recorded: Drought
2016-08-05	Flash Flood		\$50,000 property; \$0 crops (2016 dollars)	1, 0	TURLEY		deaths or injuries recorded
2015-08-26	Thunderstorm Wind	90 kt (104 mph) estimated gust	\$350,000 property; \$0 crops (2015 dollars)	0, 0	FLORA VISTA		B1-c worst recorded: Thunderstorm Wind
2010-08-01	Flash Flood		\$2,000,000 property; \$0 crops (2010 dollars)	0, 0	FARMINGTON		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2003-08-13	Lightning		\$30,000 property; crops not reported (2003 dollars)	0, 0	FARMINGTON		B1-c most damaging: Lightning
2003-08-02	Lightning		damage not reported	1, 1	SHEEP SPGS		deaths or injuries recorded
1998-11-11	Heat		damage not reported	1, 0	FARMINGTON		deaths or injuries recorded
1968-06-18	Tornado	F2, 0.5 mi path length (whole path, pre-1996), 500 yd wide	\$250,000 property; crops not recorded (1968 dollars)	0, 3	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (274 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
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Cold Wave	0.0526	event-days per year	about 0.0526 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	1	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events cold wave record, 1996 to 2025.
Drought	108	event-days per year	about 108 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	3,696	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00156	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.156%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0812	events per year	about 1 in 12 years	Possible	FEMA annualized frequency (modeled)	3.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.82	event-days per year	about 1.82 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	33	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.0149	event-days per year	about 0.0149 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0	1946-12-31 to 2014-02-12 (67 years)	countywide	No Storm Events ice storm record, 1996 to 2025
Inland Flooding	1.36	event-days per year	about 1.36 days per year	Likely	Storm Events event-days in 19 of 30 years, 1996 to 2025 (63.3%)	38	1996 to 2023 (28 years)	see B1-f	
Landslide	1.65	events per year (modeled)	about 1.65 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	

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
Lightning	50.2	days per year with a strike	about 50.2 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.0597	events per year	about 1 in 17 years	Possible	FEMA annualized frequency (modeled)	3	1986 to 2023 (38 years)	countywide	
Tornado	0.139	events per year	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.000446	annual probability at a location	chance a given location in the county burns in a year: 0.0446%	Likely	Storm Events records in 3 of 30 years, 1996 to 2025 (10%)	not shown	modeled	see B1-f	
Winter Weather	12.4	event-days per year	about 12.4 days per year	Likely	Storm Events event- days in 6 of 30 years, 1996 to 2025 (20%)	235	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	13	30	0.433
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	26	30	0.867
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	5	30	0.167
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	3	30	0.1
Tornado	EF0-1	1996 to 2025	6	30	0.2
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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	
Avalanche	8 of 36	10.3	13.4	14.2	Very Low 8, Not Applicable 28
Cold Wave	36 of 36	37.0	72.1	89.1	Relatively High 8, Relatively Moderate 27, Relatively Low 1
Drought	15 of 36	72.1	83.6	99.9	Very High 2, Relatively Low 11, Very Low 2, No Rating 21
Earthquake	36 of 36	35.9	60.6	78.0	Relatively Moderate 1, Relatively Low 32, Very Low 3
Hail	36 of 36	5.7	22.8	39.2	Relatively Low 1, Very Low 35
Heat Wave	36 of 36	7.9	44.0	72.0	Relatively Moderate 6, Relatively Low 29, Very Low 1
Hurricane	0 of 36				Not Applicable 36
Ice Storm	36 of 36	3.8	13.2	33.1	Very Low 36
Inland Flooding	36 of 36	29.3	73.1	97.2	Very High 2, Relatively High 13, Relatively Moderate 16, Relatively Low 5
Landslide	36 of 36	32.8	81.6	98.9	Relatively Moderate 5, Relatively Low 14, Very Low 17
Lightning	36 of 36	52.0	91.0	98.5	Very High 6, Relatively High 26, Relatively Moderate 4

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Strong Wind	36 of 36	11.0	21.9	35.5	Relatively Low 25, Very Low 11
Tornado	36 of 36	4.5	15.7	26.2	Very Low 36
Wildfire	35 of 36	34.2	77.6	93.2	Relatively Moderate 5, Relatively Low 24, Very Low 6, No Rating 1
Winter Weather	36 of 36	45.8	77.8	93.9	Relatively High 16, Relatively Moderate 19, Relatively Low 1

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	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>	
San Juan County	County	No approved plan on record	FMA RL 0, SRL 0; any 1	\$2,102,686.44	0 total; no approved plan	Includes \$5,036.13 for declarations not counted as hazard incidents (EM-3229-NM).
Aztec city	City	No approved plan on record	FMA RL 0, SRL 0; any 3	\$210,747.08	7 total; no approved plan	
Bloomfield city	City	No approved plan on record	FMA RL 0, SRL 0; any 0	\$25,394.46	18 total; no approved plan	
Farmington city	City	No approved plan on record	FMA RL 0, SRL 0; any 0	\$5,268,451.98	22 total; no approved plan	Includes \$150,927.20 for declarations not counted as hazard incidents (DR-4529-NM).
Kirtland town	Town	No approved plan on record		no Public Assistance recorded	4 total; no approved plan	No NFIP community ID on this jurisdiction's plan row.

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

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.

No approved plan on record, so there is no approval date to count from.

- 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

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 plan <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
Avalanche	\$135,227	n/a	under 1	under \$1	n/a	\$47	under 0.0001%				
Cold Wave	\$24,323,945,370	\$95,415,513	121,421	\$234	\$5,150	\$3,493,666	under 0.0001%				
Drought	n/a	\$57,996,480	n/a	n/a	\$4,759,000	n/a	8.21% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$42,347,744,597	n/a	121,661	\$1,240,599	n/a	\$261,749	0.00293%				
Hail	\$24,323,950,193	\$95,415,513	121,421	\$16,413	\$2,178	\$14,041	under 0.0001%				
Heat Wave	\$24,323,945,370	\$95,415,513	121,421	\$215	\$6,463	\$902,942	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$24,323,950,193	n/a	121,421	\$21,922	n/a	\$8,284	under 0.0001%				
Inland Flooding	\$24,304,183,655	\$1,391,308	3,283	\$30,544,030	\$1,276	\$524,407	n/a (see note)				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	\$494,758,357	n/a	2,087	\$31,059	n/a	\$20,117	0.00628%				
Lightning	\$24,323,950,193	n/a	121,421	\$13,527	n/a	\$1,374,873	under 0.0001%				
Strong Wind	\$24,323,950,193	\$95,415,513	121,421	\$27,956	\$56	\$104,755	0.000115%				
Tornado	\$24,323,950,193	\$95,415,513	121,421	\$71,314	\$53	\$108,049	0.000293%				
Wildfire	\$2,183,937,129	\$10,749,534	18,900	\$263,536	\$8	\$21,460	0.0121%				
Winter Weather	\$24,323,945,370	\$95,415,513	121,421	\$14,662	\$2,272	\$216,129	under 0.0001%				

Totals since the plan: not available. No approved plan on record, so there is no approval date to count from.

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	121,421
Building value (total, not at risk)	\$24,323,950,193
Agriculture value (total, not at risk)	\$95,415,513
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$37,021,924
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)	\$7,050,517
Social vulnerability rating	Very High
Community resilience rating	Very Low
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)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	4	Severe repetitive loss, NFIP insurance definition	0

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

Repeat-flood properties: county total and NFIP communities

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	0	0	4	0	4	0	1
of which: San Juan County (unincorporated area)	0	0	1	0	1	0	0
of which: Aztec city	0	0	3	0	3	0	1

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>
San Juan County	350064	0	0	1	0	1	0	0
Aztec city	350065	0	0	3	0	3	0	1
Bloomfield city	350066	0	0	0	0	0	0	0
Farmington city	350067	0	0	0	0	0	0	0

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	0	0	4	0	4	0	1
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	0	0	0	0	0
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 4 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_Gaz_cousubs_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_Gaz_unsd_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_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)

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each 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.

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