

Daggett County, UT

Risk-assessment baseline packet

County FIPS: 49009 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: Approved, expires 2030-09-08. Plan: Uintah Basin Region 5, UT Hazard Mitigation Plan 2025 (FEMA plan 109462), approved 2025-09-09. Since the plan was approved on 2025-09-09: no new hazard declaration and 16 NOAA Storm Events records; details under "What changed since your last plan". Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Avalanche (\$1,370,001 a year), Lightning (\$538,931) and Wildfire (\$304,481). 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; 49009 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 (approved 2025-09-09), 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 15
11. B2-a: vulnerability (county context), page 16
12. B2-c: repetitive loss properties, page 17
13. Sources, what the plan adds, disclaimer and citation, page 18

Plan clock

Status:

Approved, expires 2030-09-08

Approved:

2025-09-09

Plan:

Uintah Basin Region 5, UT Hazard Mitigation Plan 2025 (FEMA plan 109462)

Days to expiry:

1,439

What changed since your last plan (approved 2025-09-09)

New federal declarations:

none

Repetitive loss now:

FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 0

Sources:

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

Storm Events records since approval:

16 records (data through 2026-06-30)

Repeat-flood change:

this release sets the baseline count.

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Notes
Daggett County	County	Approved, expires 2030-09-08	Uintah Basin Region 5, UT Hazard Mitigation Plan 2025 (FEMA plan 109462)	2025-09-09	2030-09-08	1,439	this jurisdiction approved 2026-04-29
Dutch John town	Town	Approved, expires 2030-09-08	Uintah Basin Region 5, UT Hazard Mitigation Plan 2025 (FEMA plan 109462)	2025-09-09	2030-09-08	1,439	this jurisdiction approved 2026-04-29
Manila town	Town	Approved, expires 2030-09-08	Uintah Basin Region 5, UT Hazard Mitigation Plan 2025 (FEMA plan 109462)	2025-09-09	2030-09-08	1,439	this jurisdiction approved 2026-04-29
Daggett School District	School/School District	Approved, expires 2030-09-08	Uintah Basin Region 5, UT Hazard Mitigation Plan 2025 (FEMA plan 109462)	2025-09-09	2030-09-08	1,439	this jurisdiction approved 2026-09-23

Plan 109462 covers 9 other participants, named in the Excel file.

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 <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
1	Avalanche	Relatively High	Relatively Moderate	\$1	n/a	\$1,370,000	\$1,370,001	1		
2	Lightning	Relatively Moderate	Relatively Moderate	\$717	n/a	\$538,214	\$538,931	10		
3	Wildfire	Relatively Low	Relatively Low	\$298,950	\$18	\$5,513	\$304,481	9		
4	Inland Flooding	Very Low	Very Low	\$192,060	\$0	\$0	\$192,060	12		
5	Winter Weather	Relatively Low	Relatively Low	\$7,689	\$11	\$18,452	\$26,152	372		
6	Earthquake	Very Low	Very Low	\$22,023	n/a	\$2,485	\$24,508			Storm Events does not record earthquakes.
7	Cold Wave	Very Low	Very Low	\$34	\$293	\$4,730	\$5,058	3		
8	Hail	Very Low	Very Low	\$4,826	\$71	\$89	\$4,986	11		
9	Tornado	Very Low	Very Low	\$2,187	\$11	\$1,436	\$3,634	2		
10	Drought	Very Low	Very Low	n/a	\$3,628	n/a	\$3,628	148		
11	Strong Wind	Very Low	Very Low	\$706	\$33	\$2,151	\$2,890	10		Includes 6 High Wind records (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
12	Landslide	Very Low	Very Low	\$171	n/a	\$2,658	\$2,829	1		

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
13	Ice Storm	Very Low	Very Low	\$449	n/a	\$63	\$512	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Heat Wave	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	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-3223-UT 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.

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.

NRI rating of the county's single census tract

Source: 5

Hazard	Census tract <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 9601 (Relatively Moderate, 84.3)
Earthquake	tract 9601 (Relatively Low, 48.4)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 9601 (Relatively Moderate, 95.6)
Tornado	tract 9601 (Very Low, 9.8)
Wildfire	tract 9601 (Relatively High, 97.5)

A tract number is the Census tract number (for example 9601 is Census Tract 9601). 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)	1 record, 2017 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	3 records, 1998 to 2011 (3 zone-level)	2 days to 16 days (median 4 days); 3 with a recorded value	16 consecutive days, 2005-12-04 to 2005-12-19, zone-level		Countywide (zone-level records).	
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)	148 records, 2002 to 2026 (148 zone-level)	7 days to 1,493 days (median 141 days); 16 with a recorded value	1493 days (about 49.0 months), 2002-05-01 to 2006-06-01, a run of 50 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)	12 records, 1980 to 2011	0.75 in to 1.75 in (median 1.25 in); 12 with a recorded value	1.75 in hail, 2009-08-06; same size also recorded on 1980-08-15, 2007-08-18		Event records naming jurisdictions in the plan: Manila town (6 records), Dutch John town (5 records).	
Excessive Heat, Heat	heat index (in event narratives)	0					
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)	12 records, 1996 to 2017 (1 zone-level)		Flash Flood, 2014-08-26, \$100,000 property; \$0 crops (2014 dollars)		Event records naming jurisdictions in the plan: Dutch John town (7 records), Manila town (3 records). Zone-level records (1) apply countywide.	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)	1 record, 2005 (1 zone-level)		Debris Flow, 2005-08-09, \$500 property; crops not reported (2005 dollars); NWS zone UTZ023		Countywide (zone-level records).	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	10 records, 2004 to 2016		Lightning, 2016-07-22, \$0 property; \$0 crops (2016 dollars), 1 direct death, 1 direct injury	Lightning, 2004-06-20, \$2,000 property; crops not reported (2004 dollars)	Event records naming jurisdictions in the plan: Dutch John town (5 records), Manila town (4 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)	6 records, 2000 to 2026 (6 zone-level)	45 kt (52 mph) to 68 kt (78 mph) (median 65 kt (75 mph)); 6 with a recorded value	68 kt (78 mph) measured gust, High Wind, 2023-02-15; NWS zone UTZ023		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	4 records, 2007 to 2021	50 kt (58 mph) to 70 kt (81 mph) (median 61 kt (70 mph)); 4 with a recorded value	70 kt (81 mph) estimated gust, Thunderstorm Wind, 2015-06-16		Event records naming jurisdictions in the plan: Dutch John town (4 records).	

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)	2 records, 1999 to 2001	F/EF0; 2 with a recorded value	F0 tornado, 2001-08-21, 2 mi within this county, 25 yd wide, damage not reported; same rating, casualties and property damage also recorded on 1999-05-05		Event records naming jurisdictions in the plan: Dutch John town (2 records).	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)	9 records, 2002 to 2024 (7 zone-level)		Wildfire, 2024-08-01, \$0 property; \$9,500,000 crops (2024 dollars) (as recorded; larger than this county's annual agriculture value in the National Risk Index (the county or state extension service keeps crop loss records)); NWS zone UTZ023		Event records naming jurisdictions in the plan: Dutch John town (2 records). Zone-level records (7) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	372 records, 1997 to 2026 (372 zone- level)		No damage reported in 372 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: 7 declarations covering 4 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
2020-04-04	2020-01-20	DR-4525-UT	Major disaster	COVID-19 Pandemic	Non-natural, not counted	no Public Assistance recorded	
2020-03-13	2020-01-20	EM-3478-UT	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4525
2011-08-08	2011-04-18	DR-4011-UT	Major disaster	Flooding	Inland Flooding	\$7,661.48	
2005-09-05	2005-08-29	EM-3223-UT	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded	
2002-07-01	2002-06-30	FM-2437-UT	Fire management	Ut - Mustang Fire - 07/01/2002	Wildfire	no Public Assistance recorded	
1983-04-30	1983-04-13	DR-680-UT	Major disaster	Severe Storms, Landslides & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded	
1977-01-20	1977-01-20	EM-3024-UT	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.

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
Avalanche	1	0	0	0	0	0	1996 to 2026-06-30	
Cold Wave	3	0	0	0	0	0	1996 to 2026-06-30	
Drought	148	8	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	12	0	0	0	0	0	1955 to 2026-06-30	
Heat Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events

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
Ice Storm	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Inland Flooding	12	0	0	0	2	0	1996 to 2026-06-30	
Landslide	1	0	0	0	1	0	1996 to 2026-06-30	
Lightning	10	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	10	1	0	3	0	0	1955 to 2026-06-30	Includes 6 High Wind records.
Tornado	2	0	0	0	0	0	1950 to 2026-06-30	
Wildfire	9	0	0	2	1	0	1996 to 2026-06-30	
Winter Weather	372	7	9	61	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
2024-08-01	Wildfire		\$0 property; \$9,500,000 crops (zone total, 2024 dollars) (as recorded; larger than this county's annual agriculture value in the National Risk Index (the county or state extension service keeps crop loss records))	0, 0	NWS zone UTZ023 (EASTERN UINTA MOUNTAINS), zone-level	within last 5 years	B1-c worst recorded: Wildfire
2023-02-15	High Wind	68 kt (78 mph) measured gust	\$0 property; \$0 crops (zone total, 2023 dollars)	0, 0	NWS zone UTZ023 (EASTERN UINTA MOUNTAINS), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2016-07-22	Lightning		\$0 property; \$0 crops (2016 dollars)	1, 1	LUCERNE VALLEY		deaths or injuries recorded
2015-06-16	Thunderstorm Wind	70 kt (81 mph) estimated gust	\$0 property; \$0 crops (2015 dollars)	0, 0	DUTCH JOHN		B1-c worst recorded: Thunderstorm Wind
2014-08-26	Flash Flood		\$100,000 property; \$0 crops (2014 dollars)	0, 0	DUTCH JOHN		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2009-08-06	Hail	1.75 in	\$80,000 property; \$0 crops (2009 dollars)	0, 0	DUTCH JOHN		B1-c worst recorded: Hail
2008-07-22	Flash Flood		\$75,000 property; \$10,000 crops (2008 dollars)	0, 0	MANILA		large reported damage
2005-12-04	Cold/Wind Chill		damage not reported	0, 0	NWS zone UTZ023 (EASTERN UINTA MOUNTAINS), zone-level		B1-c worst recorded: Cold/ Wind Chill, Extreme Cold/ Wind Chill
2005-08-09	Debris Flow		\$500 property; crops not reported (zone total, 2005 dollars)	0, 0	NWS zone UTZ023 (EASTERN UINTA MOUNTAINS), zone-level		B1-c worst recorded: Debris Flow
2004-06-20	Lightning		\$2,000 property; crops not reported (2004 dollars)	0, 0	MANILA		B1-c most damaging: Lightning
2002-05-01	Drought		damage not reported	0, 0	NWS zone UTZ023 (EASTERN UINTA MOUNTAINS), zone-level		B1-c worst recorded: Drought
2001-08-21	Tornado	F0, 2 mi within this county, 25 yd wide	damage not reported	0, 0	DUTCH JOHN		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (580 rows).

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

2 Fire Management declarations (1994-08-06 to 1994-08-06) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

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	0.0667	events per year	about 1 in 15 years	Possible	FEMA annualized frequency (modeled)	2	1994 to 2023 (30 years)	see B1-f	
Cold Wave	0.158	event-days per year	about 0.158 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	3	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	104	event-days per year	about 104 days per year	Likely	Storm Events event-days in 19 of 30 years, 1996 to 2025 (63.3%)	2,618	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	0.0978	events per year	about 1 in 10 years	Possible	FEMA annualized frequency (modeled)	3.7 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0	event-days per year	none modeled		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
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	0.393	event-days per year	about 0.393 days per year	Likely	Storm Events event-days in 10 of 30 years, 1996 to 2025 (33.3%)	11	1996 to 2023 (28 years)	see B1-f	
Landslide	0.325	events per year (modeled)	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	45.7	days per year with a strike	about 45.7 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.173	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	7	1986 to 2023 (38 years)	countywide	
Tornado	0.0293	events per year	about 1 in 34 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	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
Wildfire	0.00228	annual probability at a location	chance a given location in the county burns in a year: 0.228%	Likely	Storm Events records in 6 of 30 years, 1996 to 2025 (20%)	not shown	modeled	see B1-f	
Winter Weather	25.7	event-days per year	about 25.7 days per year	Highly likely	Storm Events event- days in 29 of 30 years, 1996 to 2025 (96.7%)	488	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.

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	8	30	0.267
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	2	30	0.0667
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

NRI risk score of the county's single census tract

Source: 5

Hazard	Tract score <i>NRI score, 0 to 100</i>	Rating
Avalanche	84.3	Relatively Moderate
Cold Wave	21.2	Relatively Low
Drought	84.4	Relatively Low
Earthquake	48.4	Relatively Low
Hail	46.2	Relatively Low
Heat Wave		No Rating
Hurricane		Not Applicable
Ice Storm	6.7	Very Low
Inland Flooding	10.5	Very Low
Landslide	95.6	Relatively Moderate
Lightning	100.0	Very High
Strong Wind	17.9	Very Low

Hazard	Tract score	Rating
	NRI score, 0 to 100	
Tornado	9.8	Very Low
Wildfire	97.5	Relatively High
Winter Weather	95.9	Very High

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.

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
			FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition	FEMA records matched by applicant name; federal share obligated, nominal dollars	all years; since its plan	
Daggett County	County	Approved, expires 2030-09-08	FMA RL 0, SRL 0; any 0	\$7,661.48	0 total; 0 since its plan	
Dutch John town	Town	Approved, expires 2030-09-08		no Public Assistance recorded	25 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Manila town	Town	Approved, expires 2030-09-08	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	13 total; 0 since its plan	

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.

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

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

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

Hazard	Building exposure modeled dollars	Agriculture exposure modeled dollars	Population exposed people	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	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 2025-09-09 <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	\$640,980	n/a	10	\$1	n/a	\$1,370,000	0.0002%				
Cold Wave	\$498,431,800	\$3,094,507	927	\$34	\$293	\$4,730	under 0.0001%				
Drought	n/a	\$225,935	n/a	n/a	\$3,628	n/a	1.61% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$868,157,345	n/a	935	\$22,023	n/a	\$2,485	0.00254%				
Hail	\$498,431,800	\$3,094,507	927	\$4,826	\$71	\$89	0.000968%				
Heat Wave	\$0	\$0	0	\$0	\$0	\$0					building exposure is 0 in NRI
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$498,431,800	n/a	927	\$449	n/a	\$63	under 0.0001%				
Inland Flooding	\$498,373,623	\$0	0	\$192,060	\$0	\$0	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	\$16,086,719	n/a	20	\$171	n/a	\$2,658	0.00106%				
Lightning	\$498,431,800	n/a	927	\$717	n/a	\$538,214	0.000144%				
Strong Wind	\$498,431,800	\$3,094,507	927	\$706	\$33	\$2,151	0.000142%		\$0		
Tornado	\$498,431,800	\$3,094,507	927	\$2,187	\$11	\$1,436	0.000439%				

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 2025-09-09 <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	\$311,946,330	\$2,729,586	781	\$298,950	\$18	\$5,513	0.0958%				
Winter Weather	\$498,431,800	\$3,094,507	927	\$7,689	\$11	\$18,452	0.00154%		\$0		

Totals since 2025-09-09 (Storm Events through 2026-06-30): 0 county-coded records, 0 with a damage value recorded (including \$0), \$0; 16 zone-level records, 16 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	927
Building value (total, not at risk)	\$498,431,800
Agriculture value (total, not at risk)	\$3,094,507
NRI risk rating (all hazards)	Very Low
Expected annual loss, buildings and agriculture, all hazards	\$533,879
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)	\$1,945,793
Social vulnerability rating	Relatively Moderate
Community resilience rating	Very 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)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	0	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	0	0	0	0	0

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>
Daggett County	490230	0	0	0	0	0	0	0
Manila town	490202	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: 0 in every occupancy group.

Sources: 1, 4

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 0 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):

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 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_scscd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scscd_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 (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