

Uintah County, UT

Risk-assessment baseline packet

County FIPS: 49047 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 23 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): Inland Flooding (\$1,835,932 a year), Earthquake (\$534,548) and Lightning (\$428,577). 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; 49047 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 2030-09-08

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:23 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
Uintah 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	
Ballard 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
Naples city	City	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
Vernal city	City	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

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 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	Very Low	Very Low	\$1,794,038	\$570	\$41,324	\$1,835,932	20		
2	Earthquake	Very Low	Relatively Low	\$429,005	n/a	\$105,543	\$534,548			Storm Events does not record earthquakes.
3	Lightning	Relatively Moderate	Relatively Moderate	\$3,598	n/a	\$424,979	\$428,577	2		
4	Wildfire	Relatively Low	Relatively Low	\$232,504	\$70	\$27,797	\$260,370	28		
5	Drought	Relatively Low	Relatively Low	n/a	\$218,471	n/a	\$218,471	157		
6	Cold Wave	Very Low	Relatively Low	\$357	\$5,067	\$180,095	\$185,519	43		Includes 34 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
7	Heat Wave	Very Low	Very Low	\$14	\$1,036	\$146,048	\$147,098	1		
8	Tornado	Very Low	Very Low	\$25,731	\$212	\$55,022	\$80,965	4		
9	Strong Wind	Very Low	Very Low	\$6,733	\$184	\$40,109	\$47,025	63		Includes 34 High Wind and 3 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Landslide	Relatively Low	Relatively Low	\$4,843	n/a	\$41,730	\$46,573	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
11	Winter Weather	Very Low	Relatively Low	\$10,570	\$10	\$18,555	\$29,135	524		
12	Hail	Very Low	Very Low	\$10,143	\$2,406	\$3,857	\$16,406	32		
13	Ice Storm	Very Low	Very Low	\$4,707	n/a	\$2,428	\$7,135	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Avalanche	Very Low	Very Low	under \$1	n/a	\$455	\$456	4		
15	Volcanic Activity	No Rating	No Expected Annual Losses	\$0	n/a	\$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.

Local data needed: state and local volcanic activity 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 and tsunami. 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 9402.01 (Very Low, 39.6); tract 9682.02 (Very Low, 33.6); tract 9682.01 (Very Low, 31.0)
Earthquake	tract 9684.01 (Relatively Moderate, 82.0); tract 9402.01 (Relatively Low, 74.7); tract 9684.04 (Relatively Low, 62.7)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 9402.01 (Relatively Moderate, 99.3); tract 9682.01 (Relatively Moderate, 97.0); tract 9683.02 (Relatively Moderate, 96.6)
Tornado	tract 9402.01 (Very Low, 29.0); tract 9684.01 (Very Low, 27.0); tract 9683.01 (Very Low, 23.2)
Volcanic Activity	no tract has a National Risk Index rating for this hazard
Wildfire	tract 9402.01 (Relatively Moderate, 95.2); tract 9683.02 (Relatively Moderate, 92.2); tract 9682.01 (Relatively Moderate, 91.9)

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 9402.01 is Census Tract 9402.01). 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)	4 records, 2011 to 2024 (4 zone-level)		No damage reported in 4 records.		Countywide (zone-level records).	
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	9 records, 1998 to 2025 (9 zone-level)	2 days to 16 days (median 5 days); 4 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	34 records, 2003 to 2025 (34 zone-level)		No crop damage reported in 34 records.		Countywide (zone-level records).	

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)	157 records, 2002 to 2026 (157 zone-level)	7 days to 1,493 days (median 162 days); 17 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)	37 records, 1959 to 2025	0.75 in to 1.75 in (median 1 in); 37 with a recorded value	1.75 in hail, 2013-09-17; same size also recorded on 1983-09-03, 1999-09-03, 2009-06-21, 2009-08-06	Hail, 2009-08-06, \$100,000 property; \$40,000 crops (2009 dollars)	Event records naming jurisdictions in the plan: Vernal city (11 records), Naples city (3 records).	
Excessive Heat, Heat	heat index (in event narratives)	1 record, 2021 (1 zone-level)	5 days; 1 with a recorded value	5 consecutive days, 2021-06-14 to 2021-06-18, zone-level		Countywide (zone-level records).	
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)	20 records, 1997 to 2021 (5 zone-level)		Flash Flood, 2008-08-07, \$100,000 property; \$0 crops (2008 dollars)		Event records naming jurisdictions in the plan: Vernal city (4 records), Ballard town (1 record), Naples city (1 record). Zone-level records (5) 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)	2 records, 2000 to 2005		Lightning, 2000-05-29, \$10,000 property; crops not reported (2000 dollars)		Event records naming jurisdictions in the plan: Ballard town (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)	37 records, 1997 to 2026 (37 zone-level)	48 kt (55 mph) to 70 kt (81 mph) (median 56 kt (64 mph)); 36 with a recorded value	70 kt (81 mph) measured, High Wind, 2002-04-15; NWS zone UTZ025	High Wind, 1997-10-10, \$30,000 property; crops not reported (zone total, 1997 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	34 records, 1965 to 2025	50 kt (58 mph) to 78 kt (90 mph) (median 52 kt (60 mph)); 31 with a recorded value	78 kt (90 mph) measured gust, Thunderstorm Wind, 2024-08-07	Thunderstorm Wind, 1999-08-30, \$30,000 property; crops not reported (1999 dollars)	Event records naming jurisdictions in the plan: Vernal city (6 records), Naples city (3 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)	8 records, 1955 to 2015	F/EF0 to F/EF1 (median F/EF0); 7 with a recorded value	F1 tornado, 1999-09-03, 4 mi within this county, 50 yd wide, \$700,000 property; crops not reported (1999 dollars), 1 direct injury		Event records naming jurisdictions in the plan: Vernal city (2 records), Naples 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).
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	28 records, 2002 to 2025 (26 zone-level)		Wildfire, 2024-08-01, \$0 property; \$9,500,000 crops (2024 dollars); NWS zone UTZ023		Event records naming jurisdictions in the plan: Vernal city (1 record). Zone- level records (26) apply countywide.	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	524 records, 1997 to 2026 (524 zone- level)		Winter Weather, 2009-01-22, \$20,000 property; \$0 crops (2009 dollars); NWS zone UTZ024		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, lightning and volcanic ash, volcanic ashfall.

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: 8 declarations covering 5 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	\$237,858.85	
2007-06-30	2007-06-30	FM-2703-UT	Fire management	Neola North Fire	Wildfire	no Public Assistance recorded	
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	
2005-08-01	2005-04-28	DR-1598-UT	Major disaster	Flooding and Landslides	Inland Flooding	\$388,823.15	
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	4	0	0	2	0	0	1996 to 2026-06-30	
Cold Wave	43	1	8	17	0	0	1996 to 2026-06-30	Includes 34 Frost/Freeze records.
Drought	157	9	3	28	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	37	1	0	3	0	0	1955 to 2026-06-30	
Heat Wave	1	0	0	0	0	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
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
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	20	0	0	0	3	0	1996 to 2026-06-30	
Landslide	1	0	0	0	1	0	1996 to 2026-06-30	
Lightning	2	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	71	3	5	28	0	0	1955 to 2026-06-30	Includes 34 High Wind and 3 Strong Wind records.
Tornado	8	0	0	0	0	0	1950 to 2026-06-30	
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	28	0	1	5	1	0	1996 to 2026-06-30	
Winter Weather	524	9	12	82	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
2024-08-07	Thunderstorm Wind	78 kt (90 mph) measured gust	\$0 property; \$0 crops (2024 dollars)	0, 0	RAINBOW	within last 5 years	B1-c worst recorded: Thunderstorm Wind
2024-08-01	Wildfire		\$0 property; \$9,500,000 crops (zone total, 2024 dollars)	0, 0	NWS zone UTZ023 (EASTERN UINTA MOUNTAINS), zone-level	within last 5 years	B1-c worst recorded: Wildfire
2021-06-14	Excessive Heat		\$0 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone UTZ024 (EASTERN UINTA BASIN), zone-level		B1-c worst recorded: Excessive Heat, Heat
2008-08-07	Flash Flood		\$100,000 property; \$0 crops (2008 dollars)	0, 0	FT DUCHESNE to NAPLES		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2007-07-01	Wildfire		\$200,000 property; \$0 crops (zone total, 2007 dollars)	3, 0	NWS zone UTZ024 (EASTERN UINTA BASIN), zone-level		deaths or injuries recorded
2007-06-29	Wildfire		\$500,000 property; \$0 crops (zone total, 2007 dollars)	3, 0	NWS zone UTZ024 (EASTERN UINTA BASIN), zone-level		deaths or injuries recorded
2005-12-04	Cold/Wind Chill		damage not reported	0, 0	NWS zone UTZ024 (EASTERN UINTA BASIN), 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
2002-05-01	Drought		damage not reported	0, 0	NWS zone UTZ024 (EASTERN UINTA BASIN), zone-level		B1-c worst recorded: Drought
2002-04-15	High Wind	70 kt (81 mph) measured	damage not reported	0, 0	NWS zone UTZ025 (TAVAPUTS PLATEAU), zone-level		B1-c worst recorded: High Wind and Strong Wind
2000-05-29	Lightning		\$10,000 property; crops not reported (2000 dollars)	0, 0	BALLARD		B1-c worst recorded: Lightning
1999-09-03	Tornado	F1, 4 mi within this county, 50 yd wide	\$700,000 property; crops not reported (1999 dollars)	0, 1	NAPLES		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (896 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	0.01	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	0.124	event-days per year	about 0.124 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	2.36	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	97.4	event-days per year	about 97.4 days per year	Likely	Storm Events event-days in 20 of 30 years, 1996 to 2025 (66.7%)	2,639	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00345	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.345%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.124	events per year	about 1 in 8 years	Likely	FEMA annualized frequency (modeled)	4.7 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.343	event-days per year	about 0.343 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	3.02	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	0.643	event-days per year	about 0.643 days per year	Likely	Storm Events event-days in 11 of 30 years, 1996 to 2025 (36.7%)	18	1996 to 2023 (28 years)	see B1-f	
Landslide	3.08	events per year (modeled)	about 3.08 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	44.9	days per year with a strike	about 44.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.168	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	7	1986 to 2023 (38 years)	countywide	
Tornado	0.161	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Volcanic Activity	0.0001	annual probability	about 1 in 10,000 years	Unlikely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.000997	annual probability at a location	chance a given location in the county burns in a year: 0.0997%	Likely	Storm Events records in 12 of 30 years, 1996 to 2025 (40%)	not shown	modeled	see B1-f	
Winter Weather	13	event-days per year	about 13 days per year	Highly likely	Storm Events event-days in 29 of 30 years, 1996 to 2025 (96.7%)	247	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	19	30	0.633
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	23	30	0.767
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	1	30	0.0333
Tornado	EF0-1	1996 to 2025	4	30	0.133
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

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	5 of 8	30.3	31.0	39.6	Very Low 5, Not Applicable 3
Cold Wave	8 of 8	26.8	30.9	46.2	Relatively Low 8
Drought	8 of 8	74.7	85.0	97.0	Relatively Moderate 2, Relatively Low 5, Very Low 1
Earthquake	8 of 8	40.6	57.2	82.0	Relatively Moderate 1, Relatively Low 6, Very Low 1
Hail	8 of 8	22.0	26.8	45.3	Relatively Low 1, Very Low 7
Heat Wave	8 of 8	15.2	21.3	45.9	Relatively Low 6, Very Low 2
Hurricane	0 of 8				Not Applicable 8
Ice Storm	8 of 8	5.5	8.4	22.9	Very Low 8
Inland Flooding	8 of 8	2.4	8.5	43.7	Relatively Low 2, Very Low 6
Landslide	8 of 8	11.5	82.2	99.3	Relatively Moderate 3, Relatively Low 2, Very Low 3
Lightning	8 of 8	81.3	89.8	98.4	Very High 1, Relatively High 7

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Strong Wind	8 of 8	18.7	22.5	38.0	Relatively Low 6, Very Low 2
Tornado	8 of 8	15.8	19.4	29.0	Very Low 8
Volcanic Activity	0 of 8				No Rating 8
Wildfire	8 of 8	73.0	86.0	95.2	Relatively Moderate 3, Relatively Low 5
Winter Weather	8 of 8	44.7	55.3	74.6	Relatively Moderate 5, Relatively Low 3

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
			<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>
Uintah County	County	Approved, expires 2030-09-08	FMA RL 0, SRL 0; any 0	\$247,235.98	0 total; 0 since its plan
Ballard town	Town	Approved, expires 2030-09-08	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; 0 since its plan
Naples city	City	Approved, expires 2030-09-08	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	8 total; 0 since its plan
Vernal city	City	Approved, expires 2030-09-08	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	24 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).

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

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 2025-09-09 <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	\$619,661	n/a	1	under \$1	n/a	\$455	under 0.0001%				
Cold Wave	\$5,222,271,825	\$54,408,220	35,592	\$357	\$5,067	\$180,095	under 0.0001%		\$0		
Drought	n/a	\$14,842,473	n/a	n/a	\$218,471	n/a	1.47% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$9,414,477,124	n/a	35,620	\$429,005	n/a	\$105,543	0.00456%				
Hail	\$5,222,271,825	\$54,408,220	35,592	\$10,143	\$2,406	\$3,857	0.000194%	\$0			
Heat Wave	\$5,143,657,529	\$53,024,442	35,211	\$14	\$1,036	\$146,048	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$5,222,271,825	n/a	35,592	\$4,707	n/a	\$2,428	under 0.0001%				
Inland Flooding	\$5,215,347,706	\$6,178,143	965	\$1,794,038	\$570	\$41,324	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	\$41,408,819	n/a	287	\$4,843	n/a	\$41,730	0.0117%				
Lightning	\$5,222,271,825	n/a	35,592	\$3,598	n/a	\$424,979	under 0.0001%				
Strong Wind	\$5,222,271,825	\$54,408,220	35,592	\$6,733	\$184	\$40,109	0.000129%	\$0	\$0		
Tornado	\$5,222,271,825	\$54,408,220	35,592	\$25,731	\$212	\$55,022	0.000493%				

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
Volcanic Activity	\$358,166,621	n/a	2,728	\$0	n/a	\$0	0%				
Wildfire	\$846,705,131	\$25,265,080	12,838	\$232,504	\$70	\$27,797	0.0275%				
Winter Weather	\$5,222,271,825	\$54,408,220	35,592	\$10,570	\$10	\$18,555	0.000202%		\$0		

Totals since 2025-09-09 (Storm Events through 2026-06-30): 2 county-coded records, 2 with a damage value recorded (including \$0), \$0; 21 zone-level records, 21 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	35,592
Building value (total, not at risk)	\$5,222,271,825
Agriculture value (total, not at risk)	\$54,408,220
NRI risk rating (all hazards)	Very Low
Expected annual loss, buildings and agriculture, all hazards	\$2,750,266
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)	\$1,087,943
Social vulnerability rating	Very Low
Community resilience rating	Relatively 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	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>
Uintah County	490147	0	0	0	0	0	0	0
Ballard town	490161	0	0	0	0	0	0	0
Naples city	490158	0	0	0	0	0	0	0
Vernal city	490149	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):

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)
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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