

Buncombe County, NC

Risk-assessment baseline packet

County FIPS: 37021 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: Approved, expires 2031-07-07. Plan: Buncombe - Madison Regional (FEMA plan 112051), approved 2026-07-08.

Since the plan was approved on 2026-07-08: no new hazard declaration; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$48,055,800 a year), Cold Wave (\$16,924,179) and Tornado (\$4,355,435).

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; 37021 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 2031-07-07

Approved: 2026-07-08

Plan: Buncombe - Madison Regional (FEMA plan 112051)

Days to expiry: 1,741

What changed since your last plan (approved 2026-07-08)

New federal declarations: none

Storm Events records since approval: not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet

Repetitive loss now: FMA RL 15, SRL 17 (44 CFR 77.2); any definition: 94

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

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

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Buncombe County (unincorporated area)	Unincorporated	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,741	
Asheville city	City	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,741	this jurisdiction approved 2026-08-27
Biltmore Forest town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,741	this jurisdiction approved 2026-07-14
Black Mountain town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,741	
Montreat town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,741	this jurisdiction approved 2026-07-13
Weaverville town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,741	this jurisdiction approved 2026-07-29
Woodfin town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,741	this jurisdiction approved 2026-07-14

Plan 112051 covers 4 other participants: Hot Springs town (Madison County); Madison County (unincorporated area); Mars Hill town (Madison County); Marshall town (Madison County).

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>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$46,936,083	\$69,326	\$1,050,391	\$48,055,800	52	
2	Cold Wave	Relatively High	Relatively High	\$4,724	\$621,351	\$16,298,104	\$16,924,179	24	Includes 1 Frost/Freeze record (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
3	Tornado	Relatively Moderate	Relatively Moderate	\$2,811,492	\$940	\$1,543,003	\$4,355,435	2	
4	Earthquake	Relatively Low	Relatively Low	\$2,525,336	n/a	\$491,392	\$3,016,728		Storm Events does not record earthquakes.
5	Strong Wind	Relatively High	Relatively High	\$220,757	\$35,812	\$2,245,044	\$2,501,612	250	Includes 56 High Wind and 12 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
6	Lightning	Very High	Relatively High	\$144,250	n/a	\$2,247,184	\$2,391,434	14	
7	Ice Storm	Relatively High	Relatively High	\$1,374,118	n/a	\$138,950	\$1,513,068	10	
8	Landslide	Relatively High	Relatively Moderate	\$1,189,994	n/a	\$104,461	\$1,294,455	5	
9	Hail	Relatively Moderate	Relatively Moderate	\$397,202	\$177,850	\$153,028	\$728,079	187	
10	Hurricane	Relatively Low	Relatively Low	\$498,665	\$20,229	\$25,236	\$544,131	2	
11	Wildfire	Relatively Low	Relatively Low	\$326,681	\$347	\$119,663	\$446,690	0	Declared 1 time; no Storm Events record of this type.
12	Drought	Relatively Moderate	Relatively Moderate	n/a	\$409,323	n/a	\$409,323	35	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
13	Winter Weather	Relatively Moderate	Relatively Moderate	\$21,762	\$499	\$164,740	\$187,002	254	Includes 4 Sleet records (outside NRI's Winter Weather definition).
14	Heat Wave	Very Low	Very Low	under \$1	under \$1	\$1	\$1	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

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

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

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 9 (Relatively Moderate, 81.4); tract 1 (Relatively Moderate, 80.2); tract 22.04 (Relatively Moderate, 78.2)
Hurricane	tract 22.04 (Relatively Low, 66.0); tract 22.03 (Relatively Low, 59.6); tract 22.05 (Relatively Low, 57.5)
Landslide	tract 29 (Relatively High, 99.8); tract 32.04 (Relatively High, 99.6); tract 26.03 (Relatively High, 99.6)
Tornado	tract 22.04 (Relatively High, 78.8); tract 22.03 (Relatively Moderate, 65.0); tract 9 (Relatively Moderate, 63.5)
Wildfire	tract 26.04 (Relatively Moderate, 94.2); tract 28.03 (Relatively Moderate, 93.3); tract 28.04 (Relatively Moderate, 92.3)

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 9 is Census Tract 9). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	23 records, 1997 to 2026 (23 zone-level)	1 day to 31 days (median 2 days); 23 with a recorded value	December 2000 (1 monthly summary record), zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2007 (1 zone-level)		Frost/Freeze, 2007-04-08, \$10,000,000 crop damage (2007 dollars); NWS zone NCZ053		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	35 records, 1998 to 2026 (35 zone-level)	30 days to 184 days (median 61 days); 13 with a recorded value	184 days (6 months), 2007-08-01 to 2008-01-31, a run of 6 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)	207 records, 1962 to 2026	0.25 in to 2.5 in (median 0.88 in); 207 with a recorded value	2.5 in hail, 2024-05-08	Hail, 2002-06-04, \$5,000 property; crops not reported (2002 dollars)	Event records naming jurisdictions in the plan: Asheville city (35 records), Weaverville town (22 records), Black Mountain town (13 records), Montreat town (3 records), Biltmore Forest town (1 record), Woodfin town (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	0					
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	2 records, 2020 to 2024 (2 zone-level)		Strongest recorded: Tropical Storm record, 2024-09-27, \$35,000,000 property; \$0 crops (2024 dollars); NWS zone NCZ053		Countywide (zone-level records).	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)	10 records, 1996 to 2019 (10 zone-level)		Ice Storm, 2005-12-15, \$75,000 property; crops not reported (2005 dollars); NWS zone NCZ053		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
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	52 records, 1996 to 2024 (5 zone-level)		Flash Flood, 2024-09-27, \$300,000,000 property; \$0 crops (2024 dollars), 15 direct deaths		Event records naming jurisdictions in the plan: Black Mountain town (5 records), Asheville city (4 records), Weaverville town (4 records), Montreat town (2 records), Woodfin town (2 records). 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)	5 records, 2004 to 2024 (3 zone-level)		Debris Flow, 2004-09-17, \$10,000,000 property; crops not reported (2004 dollars); NWS zone NCZ053		No event record names a jurisdiction in the plan. Zone-level records (3) apply countywide.	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	14 records, 1996 to 2011		Lightning, 2009-06-08, \$0 property; \$0 crops (2009 dollars), 1 direct death	Lightning, 1997-06-21, \$70,000 property; crops not reported (1997 dollars)	Event records naming jurisdictions in the plan: Asheville city (4 records), Black Mountain town (1 record), Weaverville town (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	68 records, 1996 to 2026 (68 zone-level)	40 kt (46 mph) to 70 kt (81 mph) (median 50 kt (58 mph)); 59 with a recorded value	70 kt (81 mph) estimated gust, High Wind, 2007-04-15; NWS zone NCZ053	High Wind, 2007-04-16, \$1,000,000 property; \$0 crops (zone total, 2007 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	202 records, 1959 to 2026	40 kt (46 mph) to 75 kt (86 mph) (median 50 kt (58 mph)); 183 with a recorded value	75 kt (86 mph) estimated gust, Thunderstorm Wind, 2009-05-03	Thunderstorm Wind, 2014-05-23, \$100,000 property; \$0 crops (2014 dollars)	Event records naming jurisdictions in the plan: Asheville city (29 records), Weaverville town (20 records), Black Mountain town (7 records), Woodfin town (5 records), Montreat town (3 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	7 records, 1976 to 2024	F/EF0 to F/EF1 (median F/EF1); 7 with a recorded value	F1 tornado, 1999-05-06, 2 mi within this county, 440 yd wide, \$250,000 property; crops not reported (1999 dollars); same rating, casualties and property damage also recorded on 1976-02-18, 1977-06-06		Event records naming jurisdictions in the plan: Asheville city (2 records), Black Mountain town (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).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	254 records, 1996 to 2026 (254 zone- level)		Winter Weather, 2004-02-05, \$250 property; crops not reported (2004 dollars); NWS zone NCZ053		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 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.

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 21 declarations covering 17 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Storm Events records since the plan: not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet.

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
2026-01-24	2026-01-21	EM-3637-NC	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	
2024-09-28	2024-09-25	DR-4827-NC	Major disaster	Tropical Storm Helene	Hurricane	\$197,722,404.59	within last 5 years	
2024-09-26	2024-09-25	EM-3617-NC	Emergency	Hurricane Helene	Hurricane (primary); also designated: Inland Flooding, Landslide	no Public Assistance recorded	within last 5 years	same incident as DR-4827
2022-10-01	2022-09-28	EM-3586-NC	Emergency	Hurricane Ian	Hurricane	no Public Assistance recorded	within last 5 years	
2021-09-08	2021-08-16	DR-4617-NC	Major disaster	Remnants of Tropical Storm Fred	Hurricane	\$1,119,408.26		
2020-08-02	2020-07-31	EM-3534-NC	Emergency	Hurricane Isaias	Hurricane	no Public Assistance recorded		
2020-03-25	2020-01-20	DR-4487-NC	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$1,049,218.95		
2020-03-13	2020-01-20	EM-3471-NC	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4487
2019-09-03	2019-09-01	EM-3423-NC	Emergency	Hurricane Dorian	Hurricane	no Public Assistance recorded		
2018-09-10	2018-09-07	EM-3401-NC	Emergency	Hurricane Florence	Hurricane	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2016-11-11	2016-11-11	FM-5161-NC	Fire management	Party Rock Fire	Wildfire	no Public Assistance recorded		
2013-09-25	2013-07-03	DR-4146-NC	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide	\$2,337,725.43		
2010-02-02	2009-12-18	DR-1871-NC	Major disaster	Severe Winter Storms and Flooding	Inland Flooding; Winter Weather	\$635,924.63		
2005-09-05	2005-08-29	EM-3222-NC	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2004-09-18	2004-09-16	DR-1553-NC	Major disaster	Hurricane Ivan	Hurricane	\$2,387,978.37		
2004-09-10	2004-09-07	DR-1546-NC	Major disaster	Tropical Storm Frances	Hurricane	\$1,433,498.28		
1996-09-06	1996-09-05	DR-1134-NC	Major disaster	Hurricane Fran	Hurricane	PA not declared for this county		
1996-01-13	1996-01-06	DR-1087-NC	Major disaster	Blizzard of 96	Winter Weather	no Public Assistance recorded		
1993-03-17	1993-03-13	EM-3110-NC	Emergency	Severe Snowfall & Winter Storm	Winter Weather	no Public Assistance recorded		
1977-11-09	1977-11-09	DR-542-NC	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1973-06-25	1973-06-25	DR-394-NC	Major disaster	Severe Storms & Flooding	Inland Flooding	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
1964-10-13	1964-10-13	DR-179-NC	Major disaster	Severe Storms & Flooding	Inland Flooding
1962-03-16	1962-03-16	DR-130-NC	Major disaster	Severe Storm, High Tides & Flooding	Inland Flooding (primary); also designated: Coastal Flooding
1960-09-16	1960-09-16	DR-107-NC	Major disaster	Hurricane Donna	Hurricane (primary); also designated: Inland Flooding
1958-10-01	1958-10-01	DR-87-NC	Major disaster	Hurricane & Severe Storm	Hurricane
1956-04-24	1956-04-24	DR-56-NC	Major disaster	Severe Storm	Hazard not mapped (severe storm title names no single hazard); not counted
1955-08-13	1955-08-13	DR-37-NC	Major disaster	Hurricanes	Hurricane (primary); also designated: Inland Flooding
1954-10-17	1954-10-17	DR-28-NC	Major disaster	Hurricane	Hurricane (primary); also designated: 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.

1 Fire Management declaration (1986-05-10 to 1986-05-10) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

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
Cold Wave	24		2	9	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	35		2	2	0	0	1996 to 2026-06-30	
Earthquake	0		0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	207		2	17	0	0	1955 to 2026-06-30	
Heat Wave	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	2		0	1	9	0	1996 to 2026-06-30	
Ice Storm	10		0	0	0	0	1996 to 2026-06-30	
Inland Flooding	52		0	4	5	0	1996 to 2026-06-30	
Landslide	5		0	1	2	0	1996 to 2026-06-30	
Lightning	14		0	0	0	0	1996 to 2026-06-30	
Strong Wind	270		5	36	0	0	1955 to 2026-06-30	Includes 56 High Wind and 12 Strong Wind records.
Tornado	7		0	1	0	0	1950 to 2026-06-30	
Wildfire	0		0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Winter Weather	254		4	17	4	0	1996 to 2026-06-30	Includes 4 Sleet records.

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
2024-09-27	Debris Flow		\$1,000,000 property; \$0 crops (2024 dollars)	13, 0	BLUE RIDGE	within last 5 years	deaths or injuries recorded
2024-09-27	Flash Flood		\$300,000,000 property; \$0 crops (2024 dollars)	15, 0	RIDGECREST	within last 5 years	deaths or injuries recorded
2024-09-27	Flash Flood		\$300,000,000 property; \$0 crops (2024 dollars)	9, 0	SHUMON	within last 5 years	deaths or injuries recorded
2024-05-08	Hail	2.5 in	damage not reported	0, 0	BARNARDSVILLE	within last 5 years	B1-c worst recorded: Hail
2009-06-08	Lightning		\$0 property; \$0 crops (2009 dollars)	1, 0	FAIRVIEW		B1-c worst recorded: Lightning
2009-05-03	Thunderstorm Wind	75 kt (86 mph) estimated gust	damage not reported	0, 0	OAKLEY to OTEEN		B1-c worst recorded: Thunderstorm Wind
2007-04-15	High Wind	70 kt (81 mph) estimated gust	\$0 property; \$0 crops (zone total, 2007 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone-level		B1-c worst recorded: High Wind and Strong Wind
2007-04-08	Frost/Freeze		\$0 property; \$10,000,000 crops (zone total, 2007 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone-level		B1-c worst recorded: Frost/Freeze
2005-12-15	Ice Storm		\$75,000 property; crops not reported (zone total, 2005 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone-level		B1-c worst recorded: Ice Storm
2004-09-17	Debris Flow		\$10,000,000 property; crops not reported (zone total, 2004 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone-level		B1-c worst recorded: Debris Flow
2000-12-01	Extreme Cold/Wind Chill		damage not reported	0, 0	NWS zone NCZ053 (BUNCOMBE), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1999-05-06	Tornado	F1, 2 mi within this county, 440 yd wide	\$250,000 property; crops not reported (1999 dollars)	0, 0	ASHEVILLE		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (880 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	3.79	event-days per year	about 3.79 days per year	Likely	Storm Events event- days in 13 of 30 years, 1996 to 2025 (43.3%)	72.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	29.1	event-days per year	about 29.1 days per year	Likely	Storm Events event- days in 8 of 30 years, 1996 to 2025 (26.7%)	973	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00239	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.239%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	4.25	events per year	about 4.25 per year	Highly likely	FEMA annualized frequency (modeled)	161.6 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.0000232	event-days per year	about 0.0000232 days per year		Storm Events event- days in 0 of 30 years, 1996 to 2025 (0%)	0.000438	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.022	events per year	about 1 in 45 years	Possible	FEMA annualized frequency (modeled)	8	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.848	event-days per year	about 0.848 days per year	Likely	Storm Events event- days in 9 of 30 years, 1996 to 2025 (30%)	57	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.43	event-days per year	about 1.43 days per year	Likely	Storm Events event- days in 19 of 30 years, 1996 to 2025 (63.3%)	40	1996 to 2023 (28 years)	see B1-f	
Landslide	2.1	events per year (modeled)	about 2.1 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	55.1	days per year with a strike	about 55.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.76	events per year	about 2.76 per year	Highly likely	FEMA annualized frequency (modeled)	105	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Tornado	0.206	events per year	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00302	annual probability at a location	chance a given location in the county burns in a year: 0.302%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	15	event-days per year	about 15 days per year	Highly likely	Storm Events event-days in 30 of 30 years, 1996 to 2025 (100%)	285	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	78	30	2.6
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	171	30	5.7
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	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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	65 of 65	61.7	87.6	97.3	Very High 2, Relatively High 48, Relatively Moderate 15
Drought	18 of 65	74.4	87.3	95.0	Relatively Moderate 5, Relatively Low 12, Very Low 1, No Rating 47
Earthquake	65 of 65	20.3	55.9	81.4	Relatively Moderate 3, Relatively Low 53, Very Low 9
Hail	65 of 65	34.4	54.8	79.0	Relatively Moderate 6, Relatively Low 56, Very Low 3
Heat Wave	1 of 65	1.5	1.5	1.5	Very Low 1, No Rating 64
Hurricane	65 of 65	37.1	49.4	66.0	Relatively Low 20, Very Low 45
Ice Storm	65 of 65	36.4	80.0	98.4	Very High 1, Relatively High 11, Relatively Moderate 42, Relatively Low 11
Inland Flooding	65 of 65	4.0	53.8	92.8	Relatively High 14, Relatively Moderate 26, Relatively Low 22, Very Low 3
Landslide	65 of 65	62.8	96.6	99.8	Relatively High 9, Relatively Moderate 32, Relatively Low 22, Very Low 2
Lightning	65 of 65	45.6	85.5	98.1	Very High 2, Relatively High 43, Relatively Moderate 19, Relatively Low 1
Strong Wind	65 of 65	39.7	72.5	88.5	Relatively High 8, Relatively Moderate 47, Relatively Low 10

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	65 of 65	26.3	49.5	78.8	Relatively High 1, Relatively Moderate 22, Relatively Low 41, Very Low 1
Wildfire	63 of 65	19.5	70.2	94.2	Relatively Moderate 4, Relatively Low 31, Very Low 28, No Rating 2
Winter Weather	65 of 65	28.6	52.1	76.4	Relatively Moderate 42, Relatively Low 23

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Buncombe County (unincorporated area)	Unincorporated	Approved, expires 2031-07-07	FMA RL 11, SRL 4; any 36	\$38,985,280.01	0 total; not yet covered	Includes \$309,336.07 for declarations not counted as hazard incidents (DR-4487-NC).
Asheville city	City	Approved, expires 2031-07-07	FMA RL 4, SRL 13; any 50	\$90,554,769.03	74 total; not yet covered	Includes \$663,636.67 for declarations not counted as hazard incidents (DR-4487-NC).
Biltmore Forest town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 0	\$11,786,582.30	1 total; not yet covered	
Black Mountain town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 7	\$5,407,513.20	27 total; not yet covered	
Montreat town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 0	\$4,374,273.96	8 total; not yet covered	
Weaverville town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 1	\$2,682,033.90	47 total; not yet covered	
Woodfin town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 0	\$6,585,175.69	8 total; not yet covered	

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 2026-07-08 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Cold Wave	\$54,591,065,992	\$61,820,980	269,305	\$4,724	\$621,351	\$16,298,104	under 0.0001%				
Drought	n/a	\$44,822,630	n/a	n/a	\$409,323	n/a	0.913% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$93,889,965,112	n/a	269,452	\$2,525,336	n/a	\$491,392	0.00269%				
Hail	\$54,591,065,992	\$61,820,980	269,305	\$397,202	\$177,850	\$153,028	0.000728%				
Heat Wave	\$28,203,151	\$15,336	129	under \$1	under \$1	\$1	under 0.0001%				
Hurricane	\$54,559,856,809	\$61,480,797	269,021	\$498,665	\$20,229	\$25,236	0.000914%				
Ice Storm	\$54,588,663,971	n/a	269,288	\$1,374,118	n/a	\$138,950	0.00252%				
Inland Flooding	\$54,558,996,859	\$20,458,817	4,936	\$46,936,083	\$69,326	\$1,050,391	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	\$9,631,122,966	n/a	54,072	\$1,189,994	n/a	\$104,461	0.0124%				
Lightning	\$54,591,065,992	n/a	269,305	\$144,250	n/a	\$2,247,184	0.000264%				
Strong Wind	\$54,591,065,992	\$61,820,980	269,305	\$220,757	\$35,812	\$2,245,044	0.000404%				
Tornado	\$54,591,065,992	\$61,820,980	269,305	\$2,811,492	\$940	\$1,543,003	0.00515%				

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 2026-07-08 <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	\$3,128,215,338	\$15,924,746	34,226	\$326,681	\$347	\$119,663	0.0104%				
Winter Weather	\$54,591,065,992	\$61,820,980	269,305	\$21,762	\$499	\$164,740	under 0.0001%				

Totals since 2026-07-08: Storm Events not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet; 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	269,305
Building value (total, not at risk)	\$54,591,065,992
Agriculture value (total, not at risk)	\$61,820,980
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$57,786,740
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)	\$24,581,196
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	15	Severe repetitive loss, FMA definition (44 CFR 77.2)	17
Repetitive loss, NFIP insurance definition	84	Severe repetitive loss, NFIP insurance definition	13

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

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	15	17	84	13	94	3	39
of which: Buncombe County (unincorporated area)	11	4	30	2	36	0	7
of which: Asheville city	4	13	46	11	50	3	27
of which: Black Mountain town	0	0	7	0	7	0	4
of which: Weaverville town	0	0	1	0	1	0	1
Statewide, no county in FEMA's file	0	0	2	0	2	0	0

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

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Buncombe County (unincorporated area)	370031	11	4	30	2	36	0	7
Asheville city	370032	4	13	46	11	50	3	27
Biltmore Forest town	370475	0	0	0	0	0	0	0
Black Mountain town	370033	0	0	7	0	7	0	4
Montreat town	370476	0	0	0	0	0	0	0
Weaverville town	370269	0	0	1	0	1	0	1
Woodfin town	370380	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	10	5	44	3	50	0	19
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	3	0	3	0	0
non-residential	5	12	37	10	41	3	20
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 9 properties are FMA repetitive loss but not NFIP repetitive loss, and 78 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)
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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_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

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