

Buncombe County, NC

Risk-assessment baseline packet

Unit **County area 37021** Release **2026-10** As of **2026-09-28** 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.

A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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Plan clock

Status	Approved, expires 2031-07-07	Plan	Buncombe - Madison Regional (FEMA plan 112051)
Approved	2026-07-08	Expires	2031-07-07
As of	2026-09-28	Days	1,743 days to expiry

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

New federal declarations	none (0 declaration rows; 0 counted incidents)	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	First release: no prior release to compare.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Buncombe County (unincorporated area)	Unincorporated	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,743		
Asheville city	City	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,743		member 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	1,743		member 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	1,743		
Montreat town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,743		member approved 2026-07-13

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Weaverville town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,743		member approved 2026-07-29
Woodfin town	Town	Approved, expires 2031-07-07	Buncombe - Madison Regional (FEMA plan 112051)	2026-07-08	2031-07-07	1,743		member approved 2026-07-14

Plan 112051 also covers 4 other participants not listed on this page: Hot Springs town (Madison County); Madison County (unincorporated area); Mars Hill town (Madison County); Marshall town (Madison County).

SOURCE: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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

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Supports B1-a: hazards

Hazards NRI does not cover: check locally

- 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)

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</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, event types the NRI definition of this hazard leaves out.
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		\$491,392	\$3,016,728			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
5	Strong Wind	Relatively High	Relatively High	\$220,757	\$35,812	\$2,245,044	\$2,501,612	250		Includes 56 High Wind records and 12 Strong Wind records, event types the NRI definition of this hazard leaves out.
6	Lightning	Very High	Relatively High	\$144,250		\$2,247,184	\$2,391,434	14		
7	Ice Storm	Relatively High	Relatively High	\$1,374,118		\$138,950	\$1,513,068	10		
8	Landslide	Relatively High	Relatively Moderate	\$1,189,994		\$104,461	\$1,294,455	5		
9	Hail	Relatively Moderate	Relatively Moderate	\$397,202	\$177,850	\$153,028	\$728,079	187		

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
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. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
12	Drought	Relatively Moderate	Relatively Moderate		\$409,323		\$409,323	35		
13	Winter Weather	Relatively Moderate	Relatively Moderate	\$21,762	\$499	\$164,740	\$187,002	254		Includes 4 Sleet records, event types the NRI definition of this hazard leaves out.
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).
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Coastal Flooding	Not Applicable	Not Applicable					0	NRI rates coastal flooding Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 65
Coastal Flooding	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 65
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 65
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	18 of 65
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	65 of 65
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 65
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1 of 65
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	65 of 65
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 65
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.	65 of 65
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	65 of 65
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 65
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 65
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	65 of 65
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 65
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 65
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	63 of 65
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 65

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	0					Flood depth: see the FEMA Flood Insurance Rate Map.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	23, 1997 to 2026 (23 zone-level)	1 day to 31 days (median 2 days); 23 with a recorded value	31 days, 2000-12-01 to 2000-12-31, from 1 monthly summary record (a monthly summary record covers most or all of a month; it does not count days at wave conditions), zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	1, 2007 to 2007 (1 zone-level)		Frost/Freeze, 2007-04-08, \$10,000,000 crop damage, reported for the zone (2007 dollars); NWS zone NCZ053 (BUNCOMBE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	35, 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		Zone-level records: applies countywide; national data do not locate these events within the county.	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	207, 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 member places: 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 (narratives)	0					Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	2, 2020 to 2024 (2 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Tropical Storm record, 2024-09-27, \$35,000,000 property; \$0 crops, reported for the zone (2024 dollars); NWS zone NCZ053 (BUNCOMBE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Ice Storm	Sperry-Piltz (local data)	10, 1996 to 2019 (10 zone- level)		Ice Storm, 2005-12-15, \$75,000 property; crops not reported, reported for the zone (2005 dollars); NWS zone NCZ053 (BUNCOMBE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	52, 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 member places: 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 can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	5, 2004 to 2024 (3 zone- level)		Debris Flow, 2004-09-17, \$10,000,000 property; crops not reported, reported for the zone (2004 dollars); NWS zone NCZ053 (BUNCOMBE), zone-level: may include parts of neighboring counties		No event record names a member place. Zone-level records (3) apply countywide.	Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	14, 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 member places: Asheville city (4 records), Black Mountain town (1 record), Weaverville town (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	68, 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 (BUNCOMBE), zone-level: may include parts of neighboring counties	High Wind, 2007-04-16, \$1,000,000 property; \$0 crops, reported for the zone (2007 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	202, 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 member places: Asheville city (29 records), Weaverville town (20 records), Black Mountain town (7 records), Woodfin town (5 records), Montreat town (3 records).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	7, 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 member places: Asheville city (2 records), Black Mountain town (1 record).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	0					Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	254, 1996 to 2026 (254 zone-level)		Winter Weather, 2004-02-05, \$250 property; crops not reported, reported for the zone (2004 dollars); NWS zone NCZ053 (BUNCOMBE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Supports B1-d: previous occurrences

Declaration rows

21

Counted incidents

17

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

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	none found	during plan review, check whether your last plan included it; 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	none found	within last 5 years	same incident as DR-4827
2022-10-01	2022-09-28	EM-3586-NC	Emergency	HURRICANE IAN	Hurricane	none found	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	none found		
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	none found		same incident as DR-4487
2019-09-03	2019-09-01	EM-3423-NC	Emergency	HURRICANE DORIAN	Hurricane	none found		
2018-09-10	2018-09-07	EM-3401-NC	Emergency	HURRICANE FLORENCE	Hurricane	none found		
2016-11-11	2016-11-11	FM-5161-NC	Fire management	PARTY ROCK FIRE	Wildfire	none found		
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	none found		
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	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1993-03-17	1993-03-13	EM-3110-NC	Emergency	SEVERE SNOWFALL & WINTER STORM	Winter Weather	none found		
1977-11-09	1977-11-09	DR-542-NC	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1973-06-25	1973-06-25	DR-394-NC	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		

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

SOURCES
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
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. Listed on every county page in the state; not counted with county rows.
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.

SOURCE
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	24		2	9	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
Drought	35		2	2	0	0	1996 to 2026-06-30	
Earthquake	0		0	0	0	0		No Storm Events record; local data required (e.g., USGS).

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
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 records and 12 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	7		0	1	0	0	1950 to 2026-06-30	
Tsunami	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
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, event types the NRI definition of this hazard leaves out.

SOURCES
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</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

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
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, reported for the zone (2007 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone- level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2007-04-08	Frost/Freeze		\$0 property; \$10,000,000 crops, reported for the zone (2007 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone- level: may include parts of neighboring counties		B1-c worst recorded: Frost/Freeze (outside NRI Cold Wave definition)
2005-12-15	Ice Storm		\$75,000 property; crops not reported, reported for the zone (2005 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone- level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
2004-09-17	Debris Flow		\$10,000,000 property; crops not reported, reported for the zone (2004 dollars)	0, 0	NWS zone NCZ053 (BUNCOMBE), zone- level: may include parts of neighboring counties		B1-c worst recorded: Debris Flow
2000-12-01	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone NCZ053 (BUNCOMBE), zone- level: may include parts of neighboring counties		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 XLSX file, sheet "B1-d Storm Events history" (880 rows).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

State-declared emergencies are not in federal data. Add them from your state emergency management agency.

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	3.79	event-days per year	about 3.79 days per year	Likely	event-days in 13 of 30 years, 1996 to 2025 (43.3%)	72.1	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.79 cold wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 13 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	29.1	event-days per year	about 29.1 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	973	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 29.1 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 8 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
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	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and 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		event-days in 0 of 30 years, 1996 to 2025 (0%)	0.000438	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
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 counted separately in B1-d and need not match.

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
Ice Storm	0.848	event-days per year	about 0.848 days per year	Likely	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	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	
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	
Tsunami		annual probability at the most exposed location (used in place of a county value)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
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 Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Winter Weather	15	event-days per year	about 15 days per year	Highly likely	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) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado, hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county,

which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

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
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	171	30	5.7
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	5	30	0.167
Strong Wind (Thunderstorm Wind records)	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

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.

SOURCE

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 65				Not Applicable 65	
Coastal Flooding	0 of 65				Not Applicable 65	
Cold Wave	65 of 65	61.7	87.6	97.3	Very High 2, Relatively High 48, Relatively Moderate 15	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	18 of 65	74.4	87.3	95.0	Relatively Moderate 5, Relatively Low 12, Very Low 1, No Rating 47	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
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	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	1 of 65	1.5	1.5	1.5	Very Low 1, No Rating 64	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
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	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
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	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	65 of 65	39.7	72.5	88.5	Relatively High 8, Relatively Moderate 47, Relatively Low 10	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Tornado	65 of 65	26.3	49.5	78.8	Relatively High 1, Relatively Moderate 22, Relatively Low 41, Very Low 1	
Tsunami	0 of 65				Not Applicable 65	
Volcanic Activity	0 of 65				Not Applicable 65	
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	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>			
Buncombe County (unincorporated area)	Unincorporated	Approved, expires 2031-07-07	FMA RL 11, SRL 4; any 36	\$38,985,280.01	0; 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; 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; not yet covered	
Black Mountain town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 7	\$5,407,513.20	27; not yet covered	
Montreat town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 0	\$4,374,273.96	8; not yet covered	
Weaverville town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 1	\$2,682,033.90	47; not yet covered	
Woodfin town	Town	Approved, expires 2031-07-07	FMA RL 0, SRL 0; any 0	\$6,585,175.69	8; not yet covered	

Member 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 member row, while the county table counts only its part in this county.

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

SOURCES

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B2-a and B2-b: assets and impacts

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

- Critical facilities and lifelines per hazard
 - A problem statement per participant 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

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, 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
Avalanche											Not Applicable in NRI for this county
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$54,591,065,992	\$61,820,980	269,305	\$4,724	\$621,351	\$16,298,104	under 0.0001%				
Drought		\$44,822,630			\$409,323		0.913% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$93,889,965,112		269,452	\$2,525,336		\$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		269,288	\$1,374,118		\$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. EAL as % of exposure: n/a.
Landslide	\$9,631,122,966		54,072	\$1,189,994		\$104,461	0.0124%				
Lightning	\$54,591,065,992		269,305	\$144,250		\$2,247,184	0.000264%				

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, 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
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%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
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 on counted declarations none found (0 declarations, 0 with PA).

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

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 must not be added up; the unit total counts each declaration once.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

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

Measure	Value
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

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

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

SOURCES
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties: county and state-level rows

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
BUNCOMBE COUNTY *	11	4	30	2	36	0	7
ASHEVILLE, CITY OF	4	13	46	11	50	3	27
BLACK MOUNTAIN, TOWN OF	0	0	7	0	7	0	4
WEAVERVILLE, TOWN OF	0	0	1	0	1	0	1
State level, not in this county: county not reported	0	0	2	0	2	0	0

SOURCES
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties by plan member (NFIP community)

Member	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>	Note
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	

Member	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>	Note
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	

Per-member types: XLSX sheet 'B2-c Members'.

Member 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 member row, while the county table counts only its part in this county.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

County repeat-flood properties by occupancy group

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

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

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

Every table above lists its own sources. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <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 2026-09-28, 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 2026-09-28, <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 2026-09-28, <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 2026-09-28, 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

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Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_NC_37021. Preview: automated baseline.