

Dare County, NC

Risk-assessment baseline packet

Unit **County area 37055** 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.

OPENFEMA DISCLAIMER

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

Plan clock

Status	Approved, expires 2030-04-14	Plan	Outer Banks Regional (FEMA plan 110546)
Approved	2025-04-15	Expires	2030-04-14
As of	2026-09-28	Days	1,294 days to expiry

What changed since your last plan (approved 2025-04-15)

New federal declarations	EM-3637-NC (1 declaration row; 1 counted incident)	Storm Events records since approval	29 (data through 2026-06-30)
Repetitive loss now	FMA RL 82, SRL 324 (44 CFR 77.2); any definition: 1,521	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
Dare County	County	Approved, expires 2030-04-14	Outer Banks Regional (FEMA plan 110546)	2025-04-15	2030-04-14	1,294		
Duck town	Town	Approved, expires 2030-04-14	Outer Banks Regional (FEMA plan 110546)	2025-04-15	2030-04-14	1,294		member approved 2025-04-30
Kill Devil Hills town	Town	Approved, expires 2030-04-14	Outer Banks Regional (FEMA plan 110546)	2025-04-15	2030-04-14	1,294		member approved 2025-04-22
Kitty Hawk town	Town	Approved, expires 2030-04-14	Outer Banks Regional (FEMA plan 110546)	2025-04-15	2030-04-14	1,294		member approved 2025-04-22
Manteo town	Town	Approved, expires 2030-04-14	Outer Banks Regional (FEMA plan 110546)	2025-04-15	2030-04-14	1,294		member approved 2025-04-30
Nags Head town	Town	Approved, expires 2030-04-14	Outer Banks Regional (FEMA plan 110546)	2025-04-15	2030-04-14	1,294		

						Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Jurisdiction	Type	Status	Plan	Approved	Expires			
Southern Shores town	Town	Approved, expires 2030-04-14	Outer Banks Regional (FEMA plan 110546)	2025-04-15	2030-04-14	1,294		

Plan 110546 also covers 1 other participant not listed on this page: Currituck 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.

CONTENTS

1. Plan clock, page 1	7. Supports B1-e: probability, page 13
2. What changed since your last plan (approved 2025-04-15), page 1	8. Supports B1-f: variation across the planning area, page 17
3. Supports B1-a: hazards, page 3	9. Supports B2-a and B2-b: assets and impacts, page 18
4. Supports B1-b: location, page 4	10. Supports B2-a: context, page 20
5. Supports B1-c: extent, page 5	11. Supports B2-c: repetitive loss, page 21
6. Supports B1-d: previous occurrences, page 9	12. Sources and OpenFEMA disclaimer, page 22

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 modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Hurricane	Relatively High	Very High	\$63,253,865	\$35,948	\$1,635,627	\$64,925,441	31		
2	Inland Flooding	Relatively Low	Relatively Low	\$6,456,694	\$9,174	\$223,726	\$6,689,594	32		
3	Coastal Flooding	Relatively High	Relatively High	\$3,963,981		\$341,232	\$4,305,214	13		
4	Lightning	Relatively High	Relatively High	\$22,603		\$1,761,429	\$1,784,032	9		
5	Tornado	Relatively Low	Relatively Low	\$469,016	\$9	\$636,487	\$1,105,511	15		
6	Wildfire	Relatively Low	Relatively Low	\$508,002	\$40	\$37,849	\$545,891	0		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.
7	Heat Wave	Relatively Low	Relatively Low	\$54	\$4	\$392,279	\$392,337	6		
8	Winter Weather	Relatively High	Relatively High	\$101,947	\$3	\$263,513	\$365,463	22		
9	Strong Wind	Relatively Low	Relatively Low	\$29,290	\$290	\$319,444	\$349,025	140		Includes 18 High Wind records, event types the NRI definition of this hazard leaves out.

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	Cold Wave	Very Low	Relatively Low	\$3,422	\$623	\$252,335	\$256,379	2		Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
11	Hail	Very Low	Very Low	\$33,497	\$217	\$10,589	\$44,304	43		
12	Earthquake	Very Low	Very Low	\$38,060		\$5,532	\$43,592			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
13	Ice Storm	Very Low	Very Low	\$20,378		\$2,539	\$22,916	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Drought	Very Low	Very Low		\$378		\$378	8		
15	Landslide	Very Low	Very Low	\$123		\$1	\$124	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.
	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).
	Tsunami	Insufficient Data	Insufficient Data					0		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 10
Coastal 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.	10 of 10

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	10 of 10
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	6 of 10
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.	10 of 10
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	10 of 10
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	10 of 10
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.	10 of 10
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	10 of 10
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.	10 of 10
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.	10 of 10
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	10 of 10
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	10 of 10
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.	10 of 10
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 10
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 10
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.	10 of 10
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	10 of 10

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)	13, 2001 to 2026 (12 zone-level)		Storm Surge/Tide, 2011-08-26, \$1,000,000 property; \$0 crops, reported for the zone (2011 dollars); NWS zone NCZ047 (WESTERN DARE), zone-level: may include parts of neighboring counties		Event records naming member places: Manteo town (1 record). Zone-level records (12) apply countywide.	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	1, 1998 to 1998 (1 zone-level)	3 days; 1 with a recorded value	3 consecutive days, 1998-03-11 to 1998-03-13, 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, 2004 to 2004 (1 zone-level)		No crop damage reported in 1 records.		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	8, 2011 to 2026 (8 zone-level)	91 days to 92 days (median 91.5 days); 2 with a recorded value	92 days (3 months), 2011-06-01 to 2011-08-31, a run of 3 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)	54, 1976 to 2025	0.75 in to 1.75 in (median 0.75 in); 54 with a recorded value	1.75 in hail, 2009-04-22; same size also recorded on 1976-07-09, 1976-07-12, 1980-08-01, 1990-06-22, 1992-07-12, 1997-02-14, 2000-05-25		Event records naming member places: Manteo town (8 records), Nags Head town (8 records), Kitty Hawk town (7 records), Duck town (4 records), Kill Devil Hills town (3 records).	
Excessive Heat, Heat	heat index (narratives)	6, 2020 to 2025 (6 zone-level)	1 day to 2 days (median 2 days); 5 with a recorded value	2 consecutive days, 2025-07-26 to 2025-07-27, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	31, 1996 to 2025 (31 zone- level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Hurricane (Typhoon) record, 2011-08-26 to 2011-08-28, category 1, \$5,000,000 property; \$15,000,000 crops, reported for the zone (2011 dollars) (as recorded; larger than this county's annual agriculture value in the National Risk Index; confirm with the county or the state extension service); NWS zone NCZ047 (WESTERN DARE), 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.
Ice Storm	Sperry-Piltz (local data)	0					Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	32, 2000 to 2025		No damage reported in 32 records.		Event records naming member places: Duck town (7 records), Nags Head town (7 records), Kill Devil Hills town (3 records), Kitty Hawk town (2 records), Manteo town (1 record).	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)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	9, 2002 to 2023		Lightning, 2019-08-23, \$0 property; \$0 crops (2019 dollars), 1 direct death	Lightning, 2023-08-10, \$500,000 property; \$0 crops (2023 dollars)	Event records naming member places: Duck town (2 records), Kitty Hawk town (2 records), Manteo town (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	18, 2006 to 2026 (18 zone-level)	38 kt (44 mph) to 75 kt (86 mph) (median 56 kt (64 mph)); 18 with a recorded value	75 kt (86 mph) measured gust, High Wind, 2022-01-03; NWS zone NCZ203 (NORTHERN OUTER BANKS), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	173, 1958 to 2026	50 kt (58 mph) to 95 kt (109 mph) (median 53 kt (61 mph)); 148 with a recorded value	95 kt (109 mph) estimated gust, Thunderstorm Wind, 2005-03-08	Thunderstorm Wind, 1999-04-11, \$230,000 property; crops not reported (1999 dollars)	Event records naming member places: Kill Devil Hills town (8 records), Kitty Hawk town (7 records), Nags Head town (7 records), Duck town (6 records), Manteo town (5 records).	
Tornado	Enhanced Fujita (F before Feb 2007)	40, 1952 to 2025	F/EF0 to F/EF3 (median F/EF0); 40 with a recorded value	F3 tornado, 1952-09-17, 1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 50 yd wide, \$25,000 property; crops not recorded (1952 dollars)	Tornado, 1987-03-31, \$2,500,000 property; crops not recorded (1987 dollars)	Event records naming member places: Nags Head town (2 records), Duck town (1 record), Manteo 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)	22, 1996 to 2026 (22 zone-level)		No damage reported in 22 records.		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 31 Counted incidents 21

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	new since last plan; within last 5 years	
2024-10-19	2024-09-16	DR-4837-NC	Major disaster	POTENTIAL TROPICAL CYCLONE EIGHT	Hurricane (primary); also designated: Inland Flooding	\$24,011,900	during plan review, check whether your last plan included it; 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	during plan review, check whether your last plan included it; within last 5 years	
2024-08-06	2024-08-05	EM-3608-NC	Emergency	TROPICAL STORM DEBBY	Hurricane	none found	during plan review, check whether your last plan included it; within last 5 years	
2022-10-01	2022-09-28	EM-3586-NC	Emergency	HURRICANE IAN	Hurricane	none found	within last 5 years	
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	\$372,447.43		
2020-03-13	2020-01-20	EM-3471-NC	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4487
2019-10-04	2019-09-01	DR-4465-NC	Major disaster	HURRICANE DORIAN	Hurricane	\$20,989,090.51		
2019-09-03	2019-09-01	EM-3423-NC	Emergency	HURRICANE DORIAN	Hurricane	none found		same incident as DR-4465
2019-01-31	2018-10-10	DR-4412-NC	Major disaster	TROPICAL STORM MICHAEL	Hurricane	\$429,382.90		
2018-09-14	2018-09-07	DR-4393-NC	Major disaster	HURRICANE FLORENCE	Hurricane	\$3,450,078.28		
2018-09-10	2018-09-07	EM-3401-NC	Emergency	HURRICANE FLORENCE	Hurricane	none found		same incident as DR-4393
2016-10-10	2016-10-04	DR-4285-NC	Major disaster	HURRICANE MATTHEW	Hurricane	\$15,423,681.26		
2016-10-07	2016-10-04	EM-3380-NC	Emergency	HURRICANE MATTHEW	Hurricane	none found		same incident as DR-4285

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2011-08-31	2011-08-25	DR-4019-NC	Major disaster	HURRICANE IRENE	Hurricane	\$7,123,041.11		
2011-08-25	2011-08-25	EM-3327-NC	Emergency	HURRICANE IRENE	Hurricane	none found		same incident as DR-4019
2010-09-01	2010-09-01	EM-3314-NC	Emergency	HURRICANE EARL	Hurricane	\$91,292.22		
2005-10-07	2005-09-11	DR-1608-NC	Major disaster	HURRICANE OPHELIA	Hurricane	\$22,499.68		
2005-09-14	2005-09-11	EM-3254-NC	Emergency	HURRICANE OPHELIA	Hurricane	\$41,217.77		same incident as DR-1608
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		
2003-09-18	2003-09-18	DR-1490-NC	Major disaster	HURRICANE ISABEL	Hurricane	\$15,400,193.22		
1999-09-16	1999-09-15	DR-1292-NC	Major disaster	HURRICANE FLOYD MAJOR DISASTER DECLARATIONS	Hurricane	\$1,638,821.64		
1999-09-15	1999-09-15	EM-3146-NC	Emergency	HURRICANE FLOYD EMERGENCY DECLARATIONS	Hurricane	none found		same incident as DR-1292
1999-09-09	1999-08-29	DR-1291-NC	Major disaster	HURRICANE DENNIS	Hurricane	PA not declared for this county		
1999-09-01	1999-08-29	EM-3141-NC	Emergency	HURRICANE DENNIS	Hurricane	\$501,910.76		same incident as DR-1291
1998-08-27	1998-08-20	DR-1240-NC	Major disaster	HURRICANE BONNIE	Hurricane	none found		
1998-01-15	1998-01-07	DR-1200-NC	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	none found		
1993-09-10	1993-08-31	DR-1003-NC	Major disaster	HURRICANE EMILY	Hurricane	none found		
1993-03-17	1993-03-13	EM-3110-NC	Emergency	SEVERE SNOWFALL & WINTER STORM	Winter Weather	none found		
1988-12-02	1988-11-28	DR-818-NC	Major disaster	SEVERE STORMS & TORNADOES	Tornado	PA not declared for this county		

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	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	13	6	0	11	0	0	1996 to 2026-06-30	
Cold Wave	2	0	0	0	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
Drought	8	5	0	5	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	54	1	0	1	0	0	1955 to 2026-06-30	
Heat Wave	6	2	2	5	0	0	1996 to 2026-06-30	
Hurricane	31	1	1	5	17	0	1996 to 2026-06-30	
Ice Storm	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Inland Flooding	32	6	4	13	3	0	1996 to 2026-06-30	
Landslide	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	9	0	0	1	0	0	1996 to 2026-06-30	

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
Strong Wind	191	5	12	38	0	0	1955 to 2026-06-30	Includes 18 High Wind records, event types the NRI definition of this hazard leaves out.
Tornado	40	1	0	1	1	0	1950 to 2026-06-30	
Tsunami	0	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	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	22	2	2	4	2	1	1996 to 2026-06-30	

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
2025-07-26	Excessive Heat		damage not reported	0, 0	NWS zone NCZ047 (WESTERN DARE), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2022-01-03	High Wind	75 kt (86 mph) measured gust	damage not reported	0, 0	NWS zone NCZ203 (NORTHERN OUTER BANKS), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2019-08-23	Lightning		\$0 property; \$0 crops (2019 dollars)	1, 0	KITTY HAWK		deaths or injuries recorded
2011-08-26	Storm Surge/Tide		\$1,000,000 property; \$0 crops, reported for the zone (2011 dollars)	0, 0	NWS zone NCZ047 (WESTERN DARE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2011-08-26	Hurricane (Typhoon)	category 1	\$5,000,000 property; \$15,000,000 crops, reported for the zone (2011 dollars) (as recorded; larger than this county's annual agriculture value in the National Risk Index; confirm with the county or the state extension service)	0, 0	NWS zone NCZ047 (WESTERN DARE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2011-06-01	Drought		\$0 property; \$0 crops, reported for the zone (2011 dollars)	0, 0	NWS zone NCZ047 (WESTERN DARE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2009-04-22	Hail	1.75 in	\$0 property; \$0 crops (2009 dollars)	0, 0	KILL DEVIL HILLS ARP		B1-c worst recorded: Hail

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2005-03-08	Thunderstorm Wind	95 kt (109 mph) estimated gust	\$200,000 property; crops not reported (2005 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Thunderstorm Wind
2002-08-24	Lightning		damage not reported	1, 4	HATTERAS		deaths or injuries recorded
1998-03-11	Cold/Wind Chill		damage not reported	0, 0	NWS zone NCZ047 (WESTERN DARE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1978-07-31	Tornado	F2, 0.2 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 50 yd wide	\$250,000 property; crops not recorded (1978 dollars)	1, 4	location not recorded		deaths or injuries recorded
1952-09-17	Tornado	F3, 1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 50 yd wide	\$25,000 property; crops not recorded (1952 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (408 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.

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
Coastal Flooding	2.94	events per year at a location (modeled)	about 2.9 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0.387	event-days per year	about 0.387 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	2.11	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	0.277	event-days per year	about 0.277 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	7	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000622	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0622%			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	0.795	events per year	about 0.8 per year	Likely	FEMA annualized frequency (modeled)	47.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	7.36	event-days per year	about 7.36 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	33.8	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 7.36 heat 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 4 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.
Hurricane	0.415	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	192	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.
Ice Storm	0.137	event-days per year	about 0.137 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	4	1946-12-31 to 2014-02-12 (67 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Inland Flooding	0.464	event-days per year	about 0.464 days per year	Likely	event-days in 10 of 30 years, 1996 to 2025 (33.3%)	13	1996 to 2023 (28 years)	see B1-f	
Landslide	0.0404	events per year (modeled)	about 1 in 25 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Lightning	45.9	days per year with a strike	about 45.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.444	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	8	1986 to 2023 (38 years)	countywide	
Tornado	0.401	events per year	about 1 in 2 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)			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)
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.00282	annual probability at a location	chance a given location in the county burns in a year: 0.282%		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	2.64	event-days per year	about 2.64 days per year	Likely	event-days in 13 of 30 years, 1996 to 2025 (43.3%)	14.5	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 2.64 winter weather 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.

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	12	30	0.4
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	106	30	3.53
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	11	30	0.367
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	3	30	0.1
Tornado	EF0-1	1996 to 2025	15	30	0.5
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 rated of all	Risk score min NRI score, 0 to 100	Median	Max	Tracts by rating	Note
Avalanche	0 of 10				Not Applicable 10	
Coastal Flooding	10 of 10	91.3	97.5	99.8	Very High 2, Relatively High 6, Relatively Moderate 2	
Cold Wave	10 of 10	23.0	34.4	51.4	Relatively Moderate 1, Relatively Low 9	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	6 of 10	67.3	68.0	76.0	Very Low 6, No Rating 4	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	10 of 10	9.1	16.6	25.4	Very Low 10	
Hail	10 of 10	21.5	40.5	54.9	Relatively Low 6, Very Low 4	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	10 of 10	20.8	48.9	74.0	Relatively Moderate 2, Relatively Low 8	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	10 of 10	94.7	99.8	100.0	Very High 9, Relatively High 1	
Ice Storm	10 of 10	4.7	28.1	51.7	Relatively Low 4, Very Low 6	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	10 of 10	1.7	49.3	93.4	Relatively High 2, Relatively Moderate 3, Relatively Low 3, Very Low 2	
Landslide	10 of 10	33.8	56.1	74.2	Very Low 10	
Lightning	10 of 10	92.4	99.5	99.9	Very High 9, Relatively High 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	10 of 10	35.4	70.5	86.6	Relatively High 1, Relatively Moderate 7, Relatively Low 2	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.
Tornado	10 of 10	35.2	59.1	75.5	Relatively High 1, Relatively Moderate 6, Relatively Low 3	
Tsunami	0 of 10				Insufficient Data 10	
Volcanic Activity	0 of 10				Not Applicable 10	
Wildfire	10 of 10	80.6	90.9	96.2	Relatively Moderate 7, Relatively Low 3	
Winter Weather	10 of 10	81.6	97.0	99.2	Very High 7, Relatively High 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.

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 <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Dare County	County	Approved, expires 2030-04-14	FMA RL 60, SRL 186; any 816	\$43,850,225.23	0; 0	Includes \$362,966.76 for declarations not counted as hazard incidents (DR-4487-NC).
Duck town	Town	Approved, expires 2030-04-14	FMA RL 0, SRL 2; any 24	\$3,688,147.63	20; 1	
Kill Devil Hills town	Town	Approved, expires 2030-04-14	FMA RL 5, SRL 19; any 135	\$5,007,723.69	14; 1	
Kitty Hawk town	Town	Approved, expires 2030-04-14	FMA RL 10, SRL 46; any 293	\$3,041,404.89	18; 0	
Manteo town	Town	Approved, expires 2030-04-14	FMA RL 0, SRL 8; any 49	\$922,361.70	17; 1	
Nags Head town	Town	Approved, expires 2030-04-14	FMA RL 7, SRL 63; any 191	\$27,766,954.23	24; 4	Includes \$9,480.67 for declarations not counted as hazard incidents (DR-4487-NC).
Southern Shores town	Town	Approved, expires 2030-04-14	FMA RL 0, SRL 0; any 13	\$1,683,541.65	0; 0	

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 2025-04-15 <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	\$5,575,480,108		13,213	\$3,963,981		\$341,232	0.0711%		\$0		
Cold Wave	\$14,141,390,216	\$2,017,350	36,860	\$3,422	\$623	\$252,335	under 0.0001%				
Drought		\$918,920			\$378		0.0412% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$22,999,205,295		36,915	\$38,060		\$5,532	0.000165%				
Hail	\$14,141,390,216	\$2,017,350	36,860	\$33,497	\$217	\$10,589	0.000237%				
Heat Wave	\$14,141,390,216	\$2,017,350	36,860	\$54	\$4	\$392,279	under 0.0001%				
Hurricane	\$14,141,296,261	\$2,014,520	36,860	\$63,253,865	\$35,948	\$1,635,627	0.447%				
Ice Storm	\$14,052,284,486		36,514	\$20,378		\$2,539	0.000145%				
Inland Flooding	\$14,074,756,028	\$1,455,187	9,442	\$6,456,694	\$9,174	\$223,726	n/a (see note)	\$0			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	\$129,990,861		303	\$123		\$1	under 0.0001%				
Lightning	\$14,141,390,216		36,860	\$22,603		\$1,761,429	0.00016%				
Strong Wind	\$14,141,390,216	\$2,017,350	36,860	\$29,290	\$290	\$319,444	0.000207%				
Tornado	\$14,141,390,216	\$2,017,350	36,860	\$469,016	\$9	\$636,487	0.00332%				
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county

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 2025-04-15 <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	\$2,965,017,558	\$1,557,509	11,705	\$508,002	\$40	\$37,849	0.0171%				
Winter Weather	\$14,141,390,216	\$2,017,350	36,860	\$101,947	\$3	\$263,513	0.000721%			none found (1 declaration)	

Totals since 2025-04-15 (Storm Events through 2026-06-30): 11 county-coded records, 6 with a damage value recorded (including \$0), \$0; 18 zone-level records, 1 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance on counted declarations none found (1 declaration, 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	36,860
Building value (total, not at risk)	\$14,141,390,216
Agriculture value (total, not at risk)	\$2,017,350
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$74,947,618
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)	\$5,882,583
Social vulnerability rating	Relatively Moderate
Community resilience rating	Very 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)	82	Severe repetitive loss, FMA definition (44 CFR 77.2)	324
Repetitive loss, NFIP insurance definition	1,426	Severe repetitive loss, NFIP insurance definition	230

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	82	324	1,426	230	1,521	73	820
SOUTHERN SHORES, TOWN OF	0	0	13	0	13	0	7
KITTY HAWK, TOWN OF	10	46	286	39	293	5	198
DUCK, TOWN OF	0	2	23	1	24	1	18
DARE COUNTY*	60	186	769	139	816	35	405
KILL DEVIL HILLS, TOWN OF	5	19	129	15	135	3	75
MANTEO, TOWN OF	0	8	48	6	49	0	37
NAGS HEAD, TOWN OF	7	63	158	30	191	29	80
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
Dare County	375348	60	186	769	139	816	35	405	
Duck town	370632	0	2	23	1	24	1	18	
Kill Devil Hills town	375353	5	19	129	15	135	3	75	
Kitty Hawk town	370439	10	46	286	39	293	5	198	
Manteo town	375355	0	8	48	6	49	0	37	
Nags Head town	375356	7	63	158	30	191	29	80	
Southern Shores town	370430	0	0	13	0	13	0	7	

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	61	246	1,190	172	1,265	60	682
2 to 4 unit residential	2	11	28	7	32	3	10
other residential	4	12	54	8	58	4	43
non-residential	15	55	154	43	166	6	85
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 24 properties are FMA repetitive loss but not NFIP repetitive loss, and 1,368 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_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_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/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

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.

Reuse, citation and corrections

Reuse and citation: Hazard Plain text and tables are licensed under Creative Commons Attribution 4.0 International (CC BY 4.0, <https://creativecommons.org/licenses/by/4.0/>); credit Hazard Plain and the release. The underlying federal data are public domain; OpenFEMA data are also subject to the OpenFEMA terms and conditions.

Cite this: Hazard Plain (2026). Dare County, NC: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 37055). Preview: automated baseline. Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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_37055. Preview: automated baseline.