

Northumberland County, PA

Risk-assessment baseline packet

Unit **County area 42097** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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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	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	Plan	Northumberland County Hazard Mitigation Plan (FEMA plan 108384), pending adoption here
Approved	2022-10-10 by FEMA; not yet adopted here	Expires	2027-10-09 once adopted
As of	2026-09-28	Update underway	FEMA tracker shows a plan approvable pending adoption

Not yet eligible: adopt the approved plan.

Not yet eligible: adopt the approved plan.

What changed since your last plan

Not available. Plan 108384 was approved by FEMA on 2022-10-10 but is not yet adopted here, so no since-plan counts are given.

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: 40 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock

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
Northumberland County	County	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	Northumberland County Hazard Mitigation Plan (FEMA plan 108384), pending adoption here	2022-10-10 by FEMA; not yet adopted here	2027-10-09 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Herndon borough	Organized Borough	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Kulpmont borough	Organized Borough	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Marion Heights borough	Organized Borough	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
McEwensville borough	Organized Borough	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	Northumberland County Hazard Mitigation Plan (FEMA plan 108384), pending adoption here	2022-10-10 by FEMA; not yet adopted here	2027-10-09 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Milton borough	Organized Borough	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Mount Carmel borough	Organized Borough	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Northumberland borough	Organized Borough	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	Northumberland County Hazard Mitigation Plan (FEMA plan 108384), pending adoption here	2022-10-10 by FEMA; not yet adopted here	2027-10-09 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Riverside borough	Organized Borough	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Shamokin city	City	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Snydertown borough	Organized Borough	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Sunbury city	City	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Turbotville borough	Organized Borough	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Watson town borough	Organized Borough	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Coal township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Delaware township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
East Cameron township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
East Chillisquaque township	Township	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Jackson township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Jordan township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Lewis township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Little Mahanoy township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Lower Augusta township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Lower Mahanoy township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Mount Carmel township	Township	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Point township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Ralpho township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Rockefeller township	Township	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Rush township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Shamokin township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Turbot township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Upper Augusta township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Upper Mahanoy township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Washington township	Township	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	Northumberland County Hazard Mitigation Plan (FEMA plan 108384), pending adoption here	2022-10-10 by FEMA; not yet adopted here	2027-10-09 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Cameron township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
West Chillisquaque township	Township	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Zerbe township	Township	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Milton Regional Sewer Authority	Water/Sewer Authority	No approved plan on record	none	none	none		FEMA tracker shows a plan in progress	
Shamokin Coal Township Joint Sewer Authority	Water/Sewer Authority	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	
Sunbury Municipal Authority	Water/Sewer Authority	Approved, expires 2027-10-09	Northumberland County Hazard Mitigation Plan (FEMA plan 108384)	2022-10-10	2027-10-09	376	FEMA tracker shows a plan in progress	member approved 2024-02-29

SOURCE

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

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	EAL agriculture	EAL population equivalence	EAL total (see note)	Storm Events records since 1996	Evidence for an omission	Storm Events coverage note
				<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>statistical value of life and injury, \$13.7M per life, not property damage</i>	<i>modeled dollars per year</i>	<i>count</i>	<i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$30,025,991	\$71,567	\$137,772	\$30,235,329	47		
2	Hurricane	Relatively Low	Relatively Moderate	\$1,368,233	\$318,289	\$53,290	\$1,739,811	1		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	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
3	Strong Wind	Relatively High	Relatively Moderate	\$449,968	\$5,854	\$986,176	\$1,441,998	214		Includes 9 High Wind records and 1 Strong Wind record, event types the NRI definition of this hazard leaves out.
4	Tornado	Relatively Low	Relatively Low	\$467,746	\$1,716	\$550,226	\$1,019,688	8		
5	Cold Wave	Relatively Low	Relatively Low	\$373	\$1,288	\$797,967	\$799,627	5		
6	Earthquake	Relatively Low	Relatively Low	\$404,630		\$107,276	\$511,906			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
7	Heat Wave	Relatively Low	Relatively Low	\$1	\$224	\$511,468	\$511,693	5		
8	Lightning	Relatively Moderate	Relatively Moderate	\$8,735		\$476,337	\$485,072	1		
9	Winter Weather	Relatively High	Relatively High	\$40,539	\$76	\$363,071	\$403,686	62		
10	Ice Storm	Relatively Low	Relatively Low	\$65,275		\$7,290	\$72,565	8		
11	Hail	Very Low	Very Low	\$13,663	\$6,022	\$43,972	\$63,658	30		
12	Landslide	Relatively Low	Relatively Low	\$11,464		\$9,893	\$21,357	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.
13	Wildfire	Very Low	Very Low	\$11,487	\$20	\$2,681	\$14,188	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.
14	Avalanche	Very Low	Very Low	under \$1		\$282	\$282	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Drought	No Rating	No Expected Annual Losses		\$0		\$0	11		
	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.

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 <i>(see note)</i> <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
	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.	7 of 25
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 25
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 25
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	0 of 25
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.	25 of 25
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 25
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 25
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.	25 of 25
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 25
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.	25 of 25
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.	25 of 25
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 25
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 25
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.	25 of 25
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 25
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 25
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.	24 of 25
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	25 of 25

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.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	5, 2007 to 2025 (5 zone-level)	2 days; 4 with a recorded value	2 consecutive days, 2025-01-21 to 2025-01-22, 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	0					Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D-scale	11, 1997 to 2025 (11 zone-level)	1 day to 190 days (median 31.5 days); 4 with a recorded value	190 days (about 6.2 months), 2024-11-05 to 2025-05-13, a run of 7 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)	38, 1963 to 2024	0.75 in to 4 in (median 1 in); 38 with a recorded value	4 in hail, 2019-05-28		Event records naming member places: Milton borough (5 records), Turbotville borough (3 records), Mount Carmel borough (2 records), Mount Carmel township (2 records), Shamokin city (2 records), Shamokin township (2 records), Watsontown borough (2 records), Riverside borough (1 record).	
Excessive Heat, Heat	heat index (narratives)	5, 2006 to 2025 (5 zone-level)	1 day to 3 days (median 2 days); 5 with a recorded value	3 consecutive days, 2025-06-23 to 2025-06-25, 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	1, 2003 to 2003 (1 zone- level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Tropical Storm record, 2003-09-18 to 2003-09-19, damage not reported; NWS zone PAZ052 (NORTHUMBERLAND), 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)	8, 1998 to 2022 (8 zone- level)		No damage reported in 8 records.		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)	47, 1996 to 2024 (12 zone- level)		Flood, 2011-09-07, \$600,000 property; \$0 crops (2011 dollars)		Event records naming member places: Sunbury city (5 records), Northumberland borough (3 records), Watsontown borough (3 records), Herndon borough (1 record), Milton borough (1 record), Shamokin city (1 record), Shamokin township (1 record), Turbotville borough (1 record). Zone- level records (12) 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)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	1, 2003 to 2003		Lightning, 2003-07-18, damage not reported, 6 direct injuries		No event record names a member place.	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)	10, 1999 to 2019 (10 zone- level)	43 kt (49 mph) to 60 kt (69 mph) (median 52 kt (60 mph)); 9 with a recorded value	60 kt (69 mph) estimated gust, High Wind, 2003-11-13; NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties	High Wind, 2000-12-12, \$13,900 property; crops not reported, reported for the zone (2000 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Thunderstorm Wind	wind speed (kt and mph)	245, 1966 to 2026	43 kt (49 mph) to 78 kt (90 mph) (median 51 kt (59 mph)); 189 with a recorded value	78 kt (90 mph) estimated gust, Thunderstorm Wind, 2018-05-15; same speed and measurement basis also recorded on 2016-06-28, 2018-05-15	Thunderstorm Wind, 2016-06-28, \$100,000 property; \$0 crops (2016 dollars)	Event records naming member places: Sunbury city (41 records), Milton borough (21 records), Herndon borough (16 records), Northumberland borough (11 records), Watsontown borough (9 records), Riverside borough (6 records), Turbotville borough (6 records), Shamokin city (5 records), Shamokin township (5 records), Snyderstown borough (4 records).	
Tornado	Enhanced Fujita (F before Feb 2007)	14, 1953 to 2017	F/EF0 to F/EF3 (median F/EF1); 14 with a recorded value	F3 tornado, 1985-05-31, 4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 2,640 yd wide, \$25,000,000 property; crops not recorded (1985 dollars), 2 direct deaths, 20 direct injuries		Event records naming member places: Northumberland borough (2 records), Mount Carmel borough (1 record), Mount Carmel township (1 record), Riverside borough (1 record), Shamokin city (1 record), Shamokin township (1 record), Snyderstown borough (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)	62, 1996 to 2026 (62 zone-level)		Winter Weather, 2025-02-20, \$15,000 property; \$0 crops, reported for the zone (2025 dollars); NWS zone PAZ052 (NORTHUMBERLAND), 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.

SOURCESNOAA 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 **19**Counted incidents **14**

Plan 108384 was approved by FEMA on 2022-10-10 but is not yet adopted here, so no since-plan counts are given.

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
2020-03-30	2020-01-20	DR-4506-PA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$3,325.95		
2020-03-13	2020-01-20	EM-3441-PA	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4506
2012-10-29	2012-10-26	EM-3356-PA	Emergency	HURRICANE SANDY	Hurricane	none found		
2011-09-12	2011-09-03	DR-4030-PA	Major disaster	TROPICAL STORM LEE	Inland Flooding (primary); also designated: Hurricane	\$8,663,026.06		
2011-09-08	2011-09-03	EM-3340-PA	Emergency	REMNANTS OF TROPICAL STORM LEE	Inland Flooding (primary); also designated: Hurricane	none found		same incident as DR-4030
2006-06-30	2006-06-23	DR-1649-PA	Major disaster	SEVERE STORMS, FLOODING, AND MUDSLIDES	Inland Flooding; Landslide	\$299,788.69		
2005-09-10	2005-08-29	EM-3235-PA	Emergency	HURRICANE KATRINA	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2004-09-19	2004-09-17	DR-1557-PA	Major disaster	TROPICAL DEPRESSION IVAN	Hurricane	\$335,484.92		
2004-09-19	2004-09-08	DR-1555-PA	Major disaster	SEVERE STORMS AND FLOODING ASSOCIATED WITH TROPICAL DEPRESSION FRANCES	Hurricane; Inland Flooding: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county		
2003-03-14	2003-02-14	EM-3180-PA	Emergency	SNOW	Winter Weather	\$123,786.25		
1999-09-22	1999-09-06	DR-1298-PA	Major disaster	TROPICAL DEPRESSION DENNIS PA	Inland Flooding (primary); also designated: Hurricane	PA not declared for this county		
1996-01-21	1996-01-19	DR-1093-PA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	none found		
1996-01-13	1996-01-06	DR-1085-PA	Major disaster	BLIZZARD OF 96	Winter Weather	none found		
1994-03-10	1994-01-04	DR-1015-PA	Major disaster	SEVERE WINTER STORMS	Winter Weather	none found		
1993-03-16	1993-03-13	EM-3105-PA	Emergency	SEVERE SNOWFALL & WINTER STORM	Winter Weather	none found		
1985-06-03	1985-05-31	DR-737-PA	Major disaster	SEVERE STORMS, HIGH WINDS & TORNADOES	Tornado (primary); also designated: Strong Wind	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	
						<i>federal share obligated, nominal dollars</i>	Flags Notes
1976-10-20	1976-10-20	DR-523-PA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found	
1975-09-26	1975-09-26	DR-485-PA	Major disaster	SEVERE STORMS, HEAVY RAINS & FLOODING	Inland Flooding	none found	
1972-06-23	1972-06-23	DR-340-PA	Major disaster	TROPICAL STORM AGNES	Inland Flooding (primary); also designated: Hurricane	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
2003-08-23	2003-07-21	DR-1485-PA	Major disaster	SEVERE STORMS, TORNADOES, AND FLOODING	Inland Flooding; Tornado		
1959-01-23	1959-01-23	DR-89-PA	Major disaster	FLOODS	Inland Flooding		
1956-08-09	1956-08-09	DR-61-PA	Major disaster	STORM	Hazard not mapped (severe storm title names no single hazard); not counted		
1956-05-21	1956-05-21	DR-58-PA	Major disaster	SEVERE STORM	Hazard not mapped (severe storm title names no single hazard); not counted		
1956-03-15	1956-03-15	DR-51-PA	Major disaster	FLOOD	Inland Flooding		
1955-08-20	1955-08-20	DR-40-PA	Major disaster	FLOODS & RAINS	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.

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		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	5			1	0		1996 to 2026-06-30	
Drought	11			7	0		1996 to 2026-06-30	
Earthquake	0			0	0			No Storm Events record; local data required (e.g., USGS).
Hail	38			3	0		1955 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
Heat Wave	5			2	0		1996 to 2026-06-30	
Hurricane	1			0	5		1996 to 2026-06-30	
Ice Storm	8			1	0		1996 to 2026-06-30	
Inland Flooding	47			4	7		1996 to 2026-06-30	
Landslide	0			0	1		1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	1			0	0		1996 to 2026-06-30	
Strong Wind	255			30	1		1955 to 2026-06-30	Includes 9 High Wind records and 1 Strong Wind record, event types the NRI definition of this hazard leaves out.
Tornado	14			0	1		1950 to 2026-06-30	
Tsunami	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		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0			0	0		1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	62			10	4		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
2025-06-23	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2025 dollars)	0, 0	NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2025-02-20	Winter Weather		\$15,000 property; \$0 crops, reported for the zone (2025 dollars)	0, 0	NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2025-01-21	Cold/Wind Chill		\$0 property; \$0 crops, reported for the zone (2025 dollars)	0, 0	NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2024-11-05	Drought		\$0 property; \$0 crops, reported for the zone (2024 dollars)	0, 0	NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: Drought
2019-05-28	Hail	4 in	\$0 property; \$0 crops (2019 dollars)	0, 0	FISHERS FERRY		B1-c worst recorded: Hail
2018-05-15	Thunderstorm Wind	78 kt (90 mph) estimated gust	\$17,000 property; \$0 crops (2018 dollars)	0, 0	SOUTH DANVILLE		B1-c worst recorded: Thunderstorm Wind
2011-09-07	Flood		\$600,000 property; \$0 crops (2011 dollars)	0, 0	URBAN to FISHERS FERRY		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2003-11-13	High Wind	60 kt (69 mph) estimated gust	damage not reported	0, 0	NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2003-09-18	Tropical Storm		damage not reported	0, 0	NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2003-07-18	Lightning		damage not reported	0, 6	ELYSBURG		deaths or injuries recorded
2000-12-12	High Wind	speed not recorded	\$13,900 property; crops not reported, reported for the zone (2000 dollars)	0, 0	NWS zone PAZ052 (NORTHUMBERLAND), zone-level: may include parts of neighboring counties		B1-c most damaging: High Wind and Strong Wind (outside NRI Strong Wind definition)
1985-05-31	Tornado	F3, 4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 2,640 yd wide	\$25,000,000 property; crops not recorded (1985 dollars)	2, 20	location not recorded		deaths or injuries recorded

The full list is in the XLSX file, sheet "B1-d Storm Events history" (447 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.

FEMA's declaration data list no tribal or special-area declarations for this state.

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	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
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	1.42	event-days per year	about 1.42 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	27	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 1.42 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 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. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	0	event-days per year	none modeled	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	0	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI models no drought event-days here (2000 to 2025, 25.25 years; D3 and D4 only), but Storm Events has a record in 5 of 30 years. The descriptor comes from Storm Events, which records events NRI's definition leaves out, so the two use different thresholds; read them together.
Earthquake	0.000786	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0786%			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	1.84	events per year	about 1.84 per year	Highly likely	FEMA annualized frequency (modeled)	69.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.84	event-days per year	about 2.84 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	47	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 2.84 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 3 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.

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
Hurricane	0.0557	events per year	about 1 in 18 years	Possible	FEMA annualized frequency (modeled)	18	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	0.342	event-days per year	about 0.342 days per year	Likely	event-days in 7 of 30 years, 1996 to 2025 (23.3%)	23	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.25	event-days per year	about 1.25 days per year	Likely	event-days in 18 of 30 years, 1996 to 2025 (60%)	35	1996 to 2023 (28 years)	see B1-f	
Landslide	0.509	events per year (modeled)	about 0.51 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	34.2	days per year with a strike	about 34.2 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	3.6	events per year	about 3.6 per year	Highly likely	FEMA annualized frequency (modeled)	137	1986 to 2023 (38 years)	countywide	
Tornado	0.198	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	0.0000505	annual probability at a location	chance a given location in the county burns in a year: 0.00505%		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	12.8	event-days per year	about 12.8 days per year	Likely	event-days in 25 of 30 years, 1996 to 2025 (83.3%)	243	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	15	30	0.5
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	176	30	5.87
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	6	30	0.2
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	18	30	0.6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	EF0-1	1996 to 2025	8	30	0.267
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	7 of 25	22.4	28.8	30.5	Very Low 7, Not Applicable 18	
Coastal Flooding	0 of 25				Not Applicable 25	
Cold Wave	25 of 25	27.3	39.1	53.9	Relatively Moderate 5, Relatively Low 20	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	0 of 25				No Rating 25	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.
Earthquake	25 of 25	28.9	37.7	65.9	Relatively Low 9, Very Low 16	
Hail	25 of 25	21.5	32.4	46.5	Relatively Low 6, Very Low 19	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	25 of 25	12.1	29.3	49.5	Relatively Low 23, Very 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.
Hurricane	25 of 25	55.3	70.6	83.9	Relatively Moderate 4, Relatively Low 21	
Ice Storm	25 of 25	1.2	24.2	79.4	Relatively Moderate 1, Relatively Low 8, Very Low 16	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	25 of 25	20.7	80.0	97.4	Very High 3, Relatively High 10, Relatively Moderate 9, Relatively Low 3	
Landslide	25 of 25	14.2	67.1	97.6	Relatively Moderate 2, Relatively Low 8, Very Low 15	
Lightning	25 of 25	42.2	66.5	85.1	Relatively High 5, Relatively Moderate 18, 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.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Strong Wind	25 of 25	57.1	82.7	92.7	Relatively High 13, Relatively Moderate 12	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	25 of 25	29.0	41.8	55.7	Relatively Moderate 1, Relatively Low 23, Very Low 1	
Tsunami	0 of 25				Not Applicable 25	
Volcanic Activity	0 of 25				Not Applicable 25	
Wildfire	24 of 25	22.5	46.7	75.7	Relatively Low 3, Very Low 21, No Rating 1	
Winter Weather	25 of 25	75.4	89.6	96.1	Very High 3, Relatively High 20, Relatively Moderate 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.

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
Northumberland County	County	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible		\$422,474.55	0; no approved plan	No NFIP community ID on this member's plan row. Includes \$3,325.95 for declarations not counted as hazard incidents (DR-4506-PA).
Herndon borough	Organized Borough	No approved plan on record	FMA RL 0, SRL 0; any 8	\$5,637.20	17; no approved plan	
Kulpmont borough	Organized Borough	Approved, expires 2027-10-09	FMA RL 0, SRL 0; any 0	none found	0; 0	
Marion Heights borough	Organized Borough	No approved plan on record	FMA RL 0, SRL 0; any 0	\$1,782.23	0; no approved plan	
McEwensville borough	Organized Borough	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	0; no approved plan	
Milton borough	Organized Borough	Approved, expires 2027-10-09	FMA RL 2, SRL 3; any 23	none found	27; 3	
Mount Carmel borough	Organized Borough	No approved plan on record	FMA RL 0, SRL 0; any 5	none found	3; no approved plan	

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
Northumberland borough	Organized Borough	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	FMA RL 1, SRL 2; any 8	\$191,482.48	16; no approved plan	
Riverside borough	Organized Borough	No approved plan on record	FMA RL 0, SRL 0; any 2	\$33,039.07	8; no approved plan	
Shamokin city	City	Approved, expires 2027-10-09	FMA RL 0, SRL 0; any 7	\$4,661,707.50	9; 0	
Snydertown borough	Organized Borough	No approved plan on record	FMA RL 0, SRL 0; any 0	\$38,503.28	5; no approved plan	
Sunbury city	City	No approved plan on record	FMA RL 0, SRL 0; any 4	\$59,679.90	46; no approved plan	
Turbotville borough	Organized Borough	Approved, expires 2027-10-09	FMA RL 0, SRL 0; any 0	none found	10; 2	
Watsontown borough	Organized Borough	Approved, expires 2027-10-09	FMA RL 0, SRL 0; any 0	\$2,822.52	14; 0	
Coal township	Township	No approved plan on record	FMA RL 0, SRL 0; any 4	\$111,783.86	0; no approved plan	
Delaware township	Township	No approved plan on record	FMA RL 1, SRL 2; any 9	\$7,066.89	0; no approved plan	
East Cameron township	Township	No approved plan on record	FMA RL 0, SRL 0; any 0	\$60,369.74	0; no approved plan	
East Chillisquaque township	Township	Approved, expires 2027-10-09	FMA RL 0, SRL 0; any 0	\$28,755.95	0; 0	
Jackson township	Township	No approved plan on record	FMA RL 0, SRL 0; any 3	\$39,890.41	0; no approved plan	
Jordan township	Township	No approved plan on record	FMA RL 0, SRL 0; any 0	\$56,894.05	0; no approved plan	
Lewis township	Township	No approved plan on record	FMA RL 0, SRL 0; any 0	\$6,679.65	0; no approved plan	
Little Mahanoy township	Township	No approved plan on record	FMA RL 0, SRL 0; any 0	\$3,916.12	0; no approved plan	
Lower Augusta township	Township	No approved plan on record	FMA RL 0, SRL 0; any 1	\$214,192.98	0; no approved plan	
Lower Mahanoy township	Township	No approved plan on record	FMA RL 1, SRL 0; any 2	\$3,131.40	0; no approved plan	
Mount Carmel township	Township	Approved, expires 2027-10-09	FMA RL 0, SRL 0; any 0	\$18,523.83	3; 0	
Point township	Township	No approved plan on record	FMA RL 8, SRL 17; any 35	\$75,532.17	0; no approved plan	

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
Ralpho township	Township	No approved plan on record	FMA RL 6, SRL 2; any 9	\$98,883.10	0; no approved plan	
Rockefeller township	Township	Approved, expires 2027-10-09	FMA RL 0, SRL 0; any 1	\$40,710.10	0; 0	
Rush township	Township	No approved plan on record	FMA RL 0, SRL 0; any 1	none found	0; no approved plan	
Shamokin township	Township	No approved plan on record	FMA RL 1, SRL 0; any 2	\$45,102.79	9; no approved plan	
Turbot township	Township	No approved plan on record	FMA RL 2, SRL 5; any 21	\$2,191.60	0; no approved plan	
Upper Augusta township	Township	No approved plan on record	FMA RL 0, SRL 2; any 18	\$91,623.84	0; no approved plan	
Upper Mahanoy township	Township	No approved plan on record	FMA RL 0, SRL 0; any 0	\$14,940.79	0; no approved plan	
Washington township	Township	Plan 108384 approved 2022-10-10, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$16,421.20	0; no approved plan	
West Cameron township	Township	No approved plan on record	FMA RL 0, SRL 0; any 0	none found	0; no approved plan	
West Chillisquaque township	Township	Approved, expires 2027-10-09	FMA RL 1, SRL 1; any 23	none found	0; 0	
Zerbe township	Township	No approved plan on record	FMA RL 0, SRL 0; any 0	\$147,265.51	0; no approved plan	

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.

Plan 108384 was approved by FEMA on 2022-10-10 but is not yet adopted here, so no since-plan counts are given.

- 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 plan <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	\$57,666		under 1	under \$1		\$282	under 0.0001%				
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$23,252,508,140	\$199,031,679	91,636	\$373	\$1,288	\$797,967	under 0.0001%				
Drought		\$0			\$0						agriculture exposure is 0 in NRI
Earthquake	\$39,828,897,936		91,647	\$404,630		\$107,276	0.00102%				
Hail	\$23,252,508,140	\$199,031,679	91,636	\$13,663	\$6,022	\$43,972	under 0.0001%				
Heat Wave	\$23,252,508,140	\$199,031,679	91,636	\$1	\$224	\$511,468	under 0.0001%				
Hurricane	\$23,248,279,487	\$198,736,393	91,623	\$1,368,233	\$318,289	\$53,290	0.00589%				
Ice Storm	\$23,163,266,808		90,387	\$65,275		\$7,290	0.000282%				
Inland Flooding	\$23,236,516,747	\$10,335,948	4,893	\$30,025,991	\$71,567	\$137,772	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	\$1,111,271,931		5,424	\$11,464		\$9,893	0.00103%				
Lightning	\$23,252,508,140		91,636	\$8,735		\$476,337	under 0.0001%				
Strong Wind	\$23,252,508,140	\$199,031,679	91,636	\$449,968	\$5,854	\$986,176	0.00194%				
Tornado	\$23,252,508,140	\$199,031,679	91,636	\$467,746	\$1,716	\$550,226	0.00201%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$3,950,550,833	\$46,051,737	18,643	\$11,487	\$20	\$2,681	0.000291%				
Winter Weather	\$23,252,508,140	\$199,031,679	91,636	\$40,539	\$76	\$363,071	0.000174%				

Totals since the plan: not available. Plan 108384 was approved by FEMA on 2022-10-10 but is not yet adopted here, so no since-plan counts are given.

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	91,636
Building value (total, not at risk)	\$23,252,508,140
Agriculture value (total, not at risk)	\$199,031,679
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$33,273,157
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)	\$4,047,702
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)	23	Severe repetitive loss, FMA definition (44 CFR 77.2)	34
Repetitive loss, NFIP insurance definition	182	Severe repetitive loss, NFIP insurance definition	29

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	23	34	182	29	186	4	34
HERNDON, BOROUGH OF	0	0	8	0	8	0	2
MOUNT CARMEL, BOROUGH OF	0	0	5	0	5	0	0
NORTHUMBERLAND, BOROUGH OF	1	2	8	2	8	0	3
RIVERSIDE, BOROUGH OF	0	0	2	0	2	0	0
SHAMOKIN, CITY OF	0	0	7	0	7	0	0
SUNBURY, CITY OF	0	0	4	0	4	0	1
TURBOT, TOWNSHIP OF	2	5	20	4	21	1	3
UPPER AUGUSTA, TOWNSHIP OF	0	2	18	2	18	0	2
DELAWARE, TOWNSHIP OF	1	2	9	2	9	0	0
LOWER AUGUSTA, TOWNSHIP OF	0	0	1	0	1	0	0
POINT, TOWNSHIP OF	8	17	33	14	35	2	11
RALPHO, TOWNSHIP OF	6	2	9	2	9	0	1
WEST CHILLISQUAQUE, TOWNSHIP OF	1	1	23	1	23	0	7
ROCKEFELLER, TOWNSHIP OF	0	0	1	0	1	0	0
SHAMOKIN, TOWNSHIP OF	1	0	2	0	2	0	1
COAL, TOWNSHIP OF	0	0	4	0	4	0	0
JACKSON, TOWNSHIP OF	0	0	3	0	3	0	0
LOWER MAHANOEY, TOWNSHIP OF	1	0	2	0	2	0	0
RUSH, TOWNSHIP OF	0	0	1	0	1	0	0
MILTON, BOROUGH OF	2	3	22	2	23	1	3
State level, not in this county: county not reported	0	0	1	0	1	0	0

SOURCESFEMA, 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
Herndon borough	420735	0	0	8	0	8	0	2	
Kulpmont borough	420736	0	0	0	0	0	0	0	
Marion Heights borough	422720	0	0	0	0	0	0	0	
McEwensville borough	421935	0	0	0	0	0	0	0	
Milton borough	425384	2	3	22	2	23	1	3	
Mount Carmel borough	420738	0	0	5	0	5	0	0	

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
Northumberland borough	420739	1	2	8	2	8	0	3	
Riverside borough	420740	0	0	2	0	2	0	0	
Shamokin city	420741	0	0	7	0	7	0	0	
Snydertown borough	420742	0	0	0	0	0	0	0	
Sunbury city	420743	0	0	4	0	4	0	1	
Turbotville borough	422721	0	0	0	0	0	0	0	
Watson town borough	420746	0	0	0	0	0	0	0	
Coal township	421936	0	0	4	0	4	0	0	
Delaware township	421010	1	2	9	2	9	0	0	
East Cameron township	421937	0	0	0	0	0	0	0	
East Chillisquaque township	422599	0	0	0	0	0	0	0	
Jackson township	421938	0	0	3	0	3	0	0	
Jordan township	421939	0	0	0	0	0	0	0	
Lewis township	421940	0	0	0	0	0	0	0	
Little Mahanoy township	421015	0	0	0	0	0	0	0	
Lower Augusta township	421017	0	0	1	0	1	0	0	
Lower Mahanoy township	421941	1	0	2	0	2	0	0	
Mount Carmel township	421942	0	0	0	0	0	0	0	
Point township	421026	8	17	33	14	35	2	11	
Ralpho township	421027	6	2	9	2	9	0	1	
Rockefeller township	421152	0	0	1	0	1	0	0	
Rush township	421943	0	0	1	0	1	0	0	
Shamokin township	421159	1	0	2	0	2	0	1	
Turbot township	420744	2	5	20	4	21	1	3	
Upper Augusta township	420745	0	2	18	2	18	0	2	
Upper Mahanoy township	421944	0	0	0	0	0	0	0	
Washington township	421945	0	0	0	0	0	0	0	
West Cameron township	421946	0	0	0	0	0	0	0	
West Chillisquaque township	421033	1	1	23	1	23	0	7	
Zerbe township	421947	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	18	23	134	19	138	4	27
2 to 4 unit residential	0	0	3	0	3	0	0
other residential	0	0	2	0	2	0	0
non-residential	5	11	43	10	43	0	7
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 1 property is FMA repetitive loss but not NFIP repetitive loss, and 160 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>
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Cite this: Hazard Plain (2026). Northumberland County, PA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 42097). 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_PA_42097. Preview: automated baseline.