

Trumbull County, OH

Risk-assessment baseline packet

Unit **County area 39155** 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.

OPENFEMA DISCLAIMER

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Plan clock

Status	Approved, expires 2031-06-30	Plan	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025)
Approved	2026-07-01	Expires	2031-06-30
As of	2026-09-28	Days	1,736 days to expiry

What changed since your last plan (approved 2026-07-01)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet
Repetitive loss now	FMA RL 2, SRL 4 (44 CFR 77.2); any definition: 43	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: 16 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
Trumbull County	County	Approved, expires 2031-06-30	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025)	2026-07-01	2031-06-30	1,736		
Cortland city	City	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Girard city	City	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Hubbard city	City	Approved, expires 2031-06-30	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025)	2026-07-01	2031-06-30	1,736		member approved 2026-08-05
Lordstown village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
McDonald village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Newton Falls village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Niles city	City	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Orangeville village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Warren city	City	Approved, expires 2031-06-30	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025)	2026-07-01	2031-06-30	1,736		member approved 2026-08-05
West Farmington village	Village	Approved, expires 2031-06-30	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025)	2026-07-01	2031-06-30	1,736		member approved 2026-08-05
Yankee Lake village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Youngstown city	City	Approved, expires 2029-07-30	Mahoning County (FEMA plan 110026)	2024-07-31	2029-07-30	1,036		member approved 2025-02-05
Howland township	Township	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025), pending adoption here	2026-07-01 by FEMA; not yet adopted here	2031-06-30 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Liberty township	Township	Approved, expires 2031-06-30	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025)	2026-07-01	2031-06-30	1,736		
Mahoning Valley Sanitary District	Water/Sewer Authority	Approved, expires 2031-06-30	Trumbull County 2026 Hazard Mitigation Plan (FEMA plan 112025)	2026-07-01	2031-06-30	1,736		

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 <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) modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$27,640,231	\$45,975	\$871,459	\$28,557,664	72		
2	Tornado	Relatively High	Relatively Moderate	\$2,829,924	\$1,235	\$3,524,729	\$6,355,889	11		
3	Strong Wind	Relatively High	Relatively High	\$1,078,825	\$11,003	\$2,103,929	\$3,193,756	395		Includes 42 High Wind records and 7 Strong Wind records, event types the NRI definition of this hazard leaves out.
4	Hail	Relatively Moderate	Relatively Moderate	\$1,767,468	\$35,824	\$80,672	\$1,883,964	159		
5	Heat Wave	Relatively Low	Relatively Low	\$6,146	under \$1	\$978,543	\$984,690	2		
6	Lightning	Relatively High	Relatively Moderate	\$15,088		\$731,489	\$746,577	2		
7	Earthquake	Relatively Low	Relatively Low	\$486,851		\$137,029	\$623,879			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
8	Hurricane	Relatively Low	Relatively Low	\$420,432	\$22,768	\$15,910	\$459,110	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
9	Cold Wave	Relatively Low	Relatively Low	\$10,075	\$18,008	\$387,854	\$415,937	11		
10	Ice Storm	Relatively Moderate	Relatively Moderate	\$207,802		\$166,548	\$374,350	3		
11	Winter Weather	Relatively High	Relatively High	\$220,441	\$374	\$49,741	\$270,557	70		
12	Wildfire	Very Low	Very Low	\$22,696	\$11	\$4,107	\$26,814	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.
13	Landslide	Very Low	Very Low	\$69		\$84	\$153	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	Drought	No Rating	No Expected Annual Losses		\$0		\$0	6		
	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).

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>	
	Coastal Flooding	Not Applicable	Not Applicable					0	NRI rates coastal flooding Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated
		<i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 54
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 54
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	0 of 54
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.	54 of 54
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
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.	54 of 54
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
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.	54 of 54
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.	54 of 54

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54
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.	54 of 54
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 54
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 54
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.	54 of 54
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	54 of 54

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	11, 1996 to 2022 (11 zone-level)	1 day to 10 days (median 2 days); 11 with a recorded value	10 consecutive days, 1997-01-10 to 1997-01-19, zone-level	Extreme Cold/Wind Chill, 2012-04-29, \$200,000 property; \$0 crops, reported for the zone (2012 dollars)	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	6, 1996 to 1999 (6 zone-level)	31 days to 122 days (median 31 days); 3 with a recorded value	122 days (4 months), 1999-06-01 to 1999-09-30, a run of 4 consecutive Storm Events drought records, zone-level	Drought, 1999-09-01, property not reported; \$3,000,000 crops, reported for the zone (1999 dollars)	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).

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hail	hail size (inches)	180, 1974 to 2026	0.75 in to 2 in (median 0.88 in); 180 with a recorded value	2 in hail, 2026-04-15; same size also recorded on 2011-06-16	Hail, 2008-07-22, \$150,000 property; \$0 crops (2008 dollars)	Event records naming member places: Warren city (25 records), Newton Falls village (15 records), Hubbard city (14 records), Niles city (12 records), Cortland city (9 records), Lordstown village (4 records), West Farmington village (2 records), Girard city (1 record), Howland township (1 record), Yankee Lake village (1 record).	
Excessive Heat, Heat	heat index (narratives)	2, 1999 to 1999 (2 zone- level)	7 days to 31 days (median 19 days); 2 with a recorded value	31 days, 1999-07-01 to 1999-07-31, from 1 monthly summary record (a monthly summary record covers most or all of a month; it does not count days at wave conditions), zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					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)	3, 2005 to 2013 (3 zone- level)		Ice Storm, 2005-01-05, \$750,000 property; crops not reported, reported for the zone (2005 dollars); NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	72, 1996 to 2025 (19 zone- level)		Flood, 2003-07-21, \$32,000,000 property; crops not reported, reported for the zone (2003 dollars); NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		Event records naming member places: Newton Falls village (4 records), Niles city (3 records), Girard city (2 records), Warren city (2 records), Cortland city (1 record), Hubbard city (1 record). Zone-level records (19) 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	2, 2005 to 2010		Lightning, 2010-05-07, \$80,000 property; \$0 crops (2010 dollars)		Event records naming member places: Warren city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	49, 1996 to 2024 (49 zone-level)	39 kt (45 mph) to 60 kt (69 mph) (median 50 kt (58 mph)); 39 with a recorded value	60 kt (69 mph), measurement type not recorded, High Wind, 1996-05-13; same speed and measurement basis also recorded on 1996-05-13; NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties	High Wind, 2008-09-14, \$5,000,000 property; \$0 crops, reported for the zone (2008 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	427, 1955 to 2026	50 kt (58 mph) to 79 kt (91 mph) (median 50 kt (58 mph)); 315 with a recorded value	79 kt (91 mph), measurement type not recorded, Thunderstorm Wind, 1955-11-15	Thunderstorm Wind, 2017-11-05, \$650,000 property; \$0 crops (2017 dollars)	Event records naming member places: Warren city (31 records), Cortland city (23 records), Hubbard city (19 records), Newton Falls village (19 records), Niles city (13 records), Girard city (12 records), West Farmington village (8 records), Lordstown village (6 records), Orangeville village (3 records).	
Tornado	Enhanced Fujita (F before Feb 2007)	25, 1956 to 2024	F/EF0 to F/EF5 (median F/EF1); 25 with a recorded value	F5 tornado, 1985-05-31, 23.5 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 440 yd wide, \$250,000,000 property; crops not recorded (1985 dollars), 10 direct deaths, 250 direct injuries		Event records naming member places: Cortland city (1 record), Girard city (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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
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)	70, 1996 to 2025 (70 zone-level)		Winter Storm, 2004-12-22, \$1,800,000 property; crops not reported, reported for the zone (2004 dollars); NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

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

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

SOURCES

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

Supports B1-d: previous occurrences

Declaration rows 12 Counted incidents 7

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

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-03-31	2020-01-20	DR-4507-OH	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$28,758.72		
2020-03-13	2020-01-20	EM-3457-OH	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4507
2012-06-30	2012-06-29	EM-3346-OH	Emergency	SEVERE STORMS	Hazard not mapped (severe storm title names no single hazard); not counted	none found		
2005-09-13	2005-08-29	EM-3250-OH	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2004-09-19	2004-08-27	DR-1556-OH	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county		
2003-09-23	2003-08-14	EM-3187-OH	Emergency	POWER OUTAGE	Non-natural, not counted	none found		
2003-08-01	2003-07-21	DR-1484-OH	Major disaster	TORNADOES, FLOODING, SEVERE STORMS, AND HIGH WINDS	Tornado (primary); also designated: Inland Flooding, Strong Wind	\$4,362,364.71		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	
						<i>federal share obligated, nominal dollars</i>	Flags Notes
1992-08-04	1992-07-12	DR-951-OH	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found	
1990-06-06	1990-05-28	DR-870-OH	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	PA not declared for this county	
1985-06-03	1985-05-31	DR-738-OH	Major disaster	SEVERE STORMS & TORNADOES	Tornado	none found	
1978-01-26	1978-01-26	EM-3055-OH	Emergency	BLIZZARDS & SNOWSTORMS	Winter Weather	none found	
1969-07-15	1969-07-15	DR-266-OH	Major disaster	TORNADOES, SEVERE STORMS & FLOODING	Tornado (primary); also designated: Inland Flooding	none found	

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars. Dollars are nominal (as reported), labeled with the year; not adjusted for inflation.

SOURCES

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

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
1964-03-24	1964-03-24	DR-167-OH	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding		
1959-01-23	1959-01-23	DR-90-OH	Major disaster	FLOODS	Inland Flooding		
1956-05-17	1956-05-17	DR-57-OH	Major disaster	WIND STORM	Other, not an NRI hazard; not counted		

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)

Public Assistance not placed in a county in this state: 1 row, \$3,080,910.74

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated	Why not placed
				<i>federal share obligated, nominal dollars</i>	
4507	2020-03-31	Prime Healthcare Foundation, Inc. (Ohio)	San Bernardino County	\$3,080,910.74	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCE

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

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval records	During plan review records	Last 5 years records	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	11		0	1	0	0	1996 to 2026-06-30	
Drought	6		0	0	0	0	1996 to 2026-06-30	
Earthquake	0		0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	180		2	12	0	0	1955 to 2026-06-30	
Heat Wave	2		0	0	0	0	1996 to 2026-06-30	
Hurricane	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	3		0	0	0	0	1996 to 2026-06-30	
Inland Flooding	72		1	6	5	0	1996 to 2026-06-30	
Landslide	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	2		0	0	0	0	1996 to 2026-06-30	
Strong Wind	476		19	68	1	0	1955 to 2026-06-30	Includes 42 High Wind records and 7 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	25		0	4	5	0	1950 to 2026-06-30	
Tsunami	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	70		2	7	1	0	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
2026-04-15	Hail	2 in	\$0 property; \$0 crops (2026 dollars)	0, 0	BRISTOLVILLE ARPT	during plan review, check whether your last plan included it; within last 5 years	B1-c worst recorded: Hail
2010-05-07	Lightning		\$80,000 property; \$0 crops (2010 dollars)	0, 0	BRISTOLVILLE		B1-c worst recorded: Lightning
2005-01-05	Ice Storm		\$750,000 property; crops not reported, reported for the zone (2005 dollars)	0, 0	NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
2004-12-22	Winter Storm		\$1,800,000 property; crops not reported, reported for the zone (2004 dollars)	0, 0	NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2003-07-21	Flash Flood		\$12,000,000 property; crops not reported (2003 dollars)	1, 0	COUNTYWIDE		deaths or injuries recorded
2003-07-21	Flood		\$32,000,000 property; crops not reported, reported for the zone (2003 dollars)	0, 0	NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1999-07-01	Heat		damage not reported	0, 0	NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
1997-01-10	Cold/Wind Chill		\$5,000 property; crops not reported, reported for the zone (1997 dollars)	0, 0	NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1996-05-13	High Wind	60 kt (69 mph), measurement type not recorded	damage not reported	0, 0	NWS zone OHZ023 (TRUMBULL), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
1985-05-31	Tornado	F5, 23.5 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 440 yd wide	\$250,000,000 property; crops not recorded (1985 dollars)	10, 250	location not recorded		deaths or injuries recorded
1984-06-18	Thunderstorm Wind	speed not recorded	damage not recorded (pre-1996 record)	1, 1	location not recorded		deaths or injuries recorded
1955-11-15	Thunderstorm Wind	79 kt (91 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind

The full list is in the **XLSX** file, sheet "B1-d Storm Events history" (847 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		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	3.68	event-days per year	about 3.68 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	70	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.68 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 8 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together. 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 3 of 30 years, 1996 to 2025 (10%)	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 3 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	0.000888	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0888%			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.

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
Hail	4.1	events per year	about 4.1 per year	Highly likely	FEMA annualized frequency (modeled)	155.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.68	event-days per year	about 1.68 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	31	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 1.68 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 1 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	0.0279	events per year	about 1 in 36 years	Possible	FEMA annualized frequency (modeled)	10	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	0.849	event-days per year	about 0.849 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	57	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.14	event-days per year	about 2.14 days per year	Likely	event-days in 22 of 30 years, 1996 to 2025 (73.3%)	60	1996 to 2023 (28 years)	see B1-f	
Landslide	0.105	events per year (modeled)	about 1 in 10 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	40.1	days per year with a strike	about 40.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.3	events per year	about 2.3 per year	Highly likely	FEMA annualized frequency (modeled)	88	1986 to 2023 (38 years)	countywide	
Tornado	0.28	events per year	about 1 in 4 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.

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
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.0000591	annual probability at a location	chance a given location in the county burns in a year: 0.00591%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Winter Weather	15.7	event-days per year	about 15.7 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	299	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	66	30	2.2
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	278	30	9.27
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	4	30	0.133
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	47	30	1.57
Tornado	EF0-1	1996 to 2025	11	30	0.367
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

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

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 54				Not Applicable 54	
Coastal Flooding	0 of 54				Not Applicable 54	
Cold Wave	54 of 54	19.2	23.1	32.6	Relatively Low 54	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 54				No Rating 54	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	54 of 54	10.7	31.4	65.3	Relatively Low 9, Very Low 45	
Hail	54 of 54	58.4	79.3	91.9	Relatively High 2, Relatively Moderate 46, Relatively 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.

Hazard	Tracts <i>rated of all</i>	Risk score	Median	Max	Tracts by rating	Note
		min <i>NRI score, 0 to 100</i>				
Heat Wave	54 of 54	10.3	27.6	58.6	Relatively Moderate 1, Relatively Low 47, 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.
Hurricane	54 of 54	41.9	51.6	60.2	Relatively Low 30, Very Low 24	
Ice Storm	54 of 54	17.0	63.1	83.3	Relatively Moderate 14, Relatively Low 36, 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.
Inland Flooding	54 of 54	2.4	47.3	84.5	Relatively High 4, Relatively Moderate 21, Relatively Low 25, Very Low 4	
Landslide	54 of 54	13.0	37.3	79.1	Very Low 54	
Lightning	54 of 54	32.7	57.5	85.9	Relatively High 2, Relatively Moderate 35, Relatively Low 17	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	54 of 54	59.9	84.2	94.9	Relatively High 31, Relatively Moderate 23	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	54 of 54	44.4	63.7	83.7	Relatively High 6, Relatively Moderate 44, Relatively Low 4	
Tsunami	0 of 54				Not Applicable 54	
Volcanic Activity	0 of 54				Not Applicable 54	
Wildfire	54 of 54	20.7	52.1	74.1	Relatively Low 9, Very Low 45	
Winter Weather	54 of 54	41.3	69.5	89.0	Relatively High 6, Relatively Moderate 46, 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.

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

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition	federal share obligated, nominal dollars	all years; since the member's plan	
Trumbull County	County	Approved, expires 2031-06-30	FMA RL 2, SRL 4; any 33	\$635,111.54	0; not yet covered	
Cortland city	City	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	34; no approved plan	

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>federal share obligated, nominal dollars</i>	<i>all years; since the member's plan</i>	
Girard city	City	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 1	\$1,206,905.38	16; no approved plan	
Hubbard city	City	Approved, expires 2031-06-30	FMA RL 0, SRL 0; any 1	\$242,973.54	34; not yet covered	
Lordstown village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	10; no approved plan	
McDonald village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$52,818.30	0; no approved plan	
Newton Falls village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$7,150.46	38; no approved plan	
Niles city	City	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$454,366.64	28; no approved plan	
Orangeville village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	3; no approved plan	
Warren city	City	Approved, expires 2031-06-30	FMA RL 0, SRL 0; any 7	\$176,791	59; not yet covered	
West Farmington village	Village	Approved, expires 2031-06-30	FMA RL 0, SRL 0; any 0	none found	10; not yet covered	
Yankee Lake village	Village	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	none found	1; no approved plan	
Youngstown city	City	Approved, expires 2029-07-30	FMA RL 0, SRL 1; any 6	none found	0; 0	Whole community, including the part in Lake County and Mahoning County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Howland township	Township	Plan 112025 approved 2026-07-01, pending adoption here; not yet eligible		\$61,547.70	1; no approved plan	No NFIP community ID on this member's plan row.
Liberty township	Township	Approved, expires 2031-06-30		\$54,179.39	0; not yet covered	No NFIP community ID on this member's plan row.

Member rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each member row, while the county table counts only its part in this county.

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

SOURCES

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

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

Local data required

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

- Critical facilities and lifelines per hazard
 - A problem statement per participant per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
 - Future assets

County-level starter: exposure, expected annual loss and damage since the plan

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2026-07-01 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche											Not Applicable in NRI for this county
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$47,184,665,540	\$72,197,200	201,961	\$10,075	\$18,008	\$387,854	under 0.0001%				
Drought		\$0			\$0						agriculture exposure is 0 in NRI
Earthquake	\$85,279,687,578		201,977	\$486,851		\$137,029	0.000571%				
Hail	\$47,184,665,540	\$72,197,200	201,961	\$1,767,468	\$35,824	\$80,672	0.00375%				
Heat Wave	\$47,184,665,540	\$72,197,200	201,961	\$6,146	under \$1	\$978,543	under 0.0001%				
Hurricane	\$46,984,976,190	\$71,454,058	201,057	\$420,432	\$22,768	\$15,910	0.000895%				
Ice Storm	\$47,182,769,368		201,948	\$207,802		\$166,548	0.00044%				
Inland Flooding	\$47,160,232,751	\$1,751,999	3,296	\$27,640,231	\$45,975	\$871,459	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	\$216,295,375		813	\$69		\$84	under 0.0001%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2026-07-01 <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
Lightning	\$47,184,665,540		201,961	\$15,088		\$731,489	under 0.0001%				
Strong Wind	\$47,184,665,540	\$72,197,200	201,961	\$1,078,825	\$11,003	\$2,103,929	0.00229%				
Tornado	\$47,184,665,540	\$72,197,200	201,961	\$2,829,924	\$1,235	\$3,524,729	0.006%				
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$11,805,837,130	\$21,225,909	53,520	\$22,696	\$11	\$4,107	0.000192%				
Winter Weather	\$47,184,665,540	\$72,197,200	201,961	\$220,441	\$374	\$49,741	0.000467%				

Totals since 2026-07-01: Storm Events not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

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

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column must not be added up; the unit total counts each declaration once.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

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

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

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

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

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

Supports B2-a: context

County context

Measure	Value
Population	201,961
Building value (total, not at risk)	\$47,184,665,540
Agriculture value (total, not at risk)	\$72,197,200
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$34,841,246
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)	\$9,052,094

Measure	Value
Social vulnerability rating	Relatively High
Community resilience rating	Relatively High
NRI version	December 2025

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

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	2	Severe repetitive loss, FMA definition (44 CFR 77.2)	4
Repetitive loss, NFIP insurance definition	43	Severe repetitive loss, NFIP insurance definition	4

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	2	4	43	4	43	0	14
YOUNGSTOWN, CITY OF	0	0	1	0	1	0	0
TRUMBULL COUNTY *	2	4	33	4	33	0	11
GIRARD, CITY OF	0	0	1	0	1	0	0
HUBBARD, CITY OF	0	0	1	0	1	0	0
WARREN, CITY OF	0	0	7	0	7	0	3
State level, not in this county: county not reported	0	0	1	0	1	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
Trumbull County	390535	2	4	33	4	33	0	11	
Cortland city	390823	0	0	0	0	0	0	0	

Member	NFIP community ID	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
Girard city	390536	0	0	1	0	1	0	0	
Hubbard city	390537	0	0	1	0	1	0	0	
Lordstown village	390812	0	0	0	0	0	0	0	
McDonald village	390538	0	0	0	0	0	0	0	
Newton Falls village	390539	0	0	0	0	0	0	0	
Niles city	390540	0	0	0	0	0	0	0	
Orangeville village	390751	0	0	0	0	0	0	0	
Warren city	390541	0	0	7	0	7	0	3	
West Farmington village	390864	0	0	0	0	0	0	0	
Yankee Lake village	390798	0	0	0	0	0	0	0	
Youngstown city	390373	0	1	6	1	6	0	0	Whole community, including the part in Lake County and Mahoning County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	2	3	33	3	33	0	12
2 to 4 unit residential	0	0	3	0	3	0	0
other residential	0	0	1	0	1	0	1
non-residential	0	1	6	1	6	0	1
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 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 41 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

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Cite this: Hazard Plain (2026). Trumbull County, OH: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 39155). 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_OH_39155. Preview: automated baseline.