

Stark County, OH

Risk-assessment baseline packet

Unit **County area 39151** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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

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

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Plan clock

Status	Approved, expires 2028-01-15	Plan	Stark County (FEMA plan 108704)
Approved	2023-01-16	Expires	2028-01-15
As of	2026-09-28	Days	474 days to expiry

What changed since your last plan (approved 2023-01-16)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	32 (data through 2026-06-30)
Repetitive loss now	FMA RL 1, SRL 10 (44 CFR 77.2); any definition: 48	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: 22 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
Stark County	County	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Alliance city	City	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Beach City village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Brewster village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Canal Fulton city	City	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Canton city	City	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2023-03-07
East Canton village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
East Sparta village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Hartville village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Hills and Dales village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Louisville city	City	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Magnolia village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2023-03-07
Massillon city	City	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2023-03-07
Meyers Lake village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Minerva village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
Navarre village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		
North Canton city	City	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2023-03-07
Waynesburg village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2023-03-07
Wilmot village	Village	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2023-03-07
Jackson township	Township	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2024-12-11

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Plain township	Township	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2024-12-11
Stark County Parks District	Special District	Approved, expires 2028-01-15	Stark County (FEMA plan 108704)	2023-01-16	2028-01-15	474		member approved 2023-03-07

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	\$49,533,621	\$17,885	\$131,410	\$49,682,916	74		
2	Tornado	Relatively Moderate	Relatively Moderate	\$4,498,817	\$484	\$2,131,685	\$6,630,986	14		
3	Hail	Relatively High	Relatively High	\$6,087,979	\$14,105	\$128,086	\$6,230,170	189		
4	Cold Wave	Relatively Moderate	Relatively High	\$10,810	\$32,482	\$5,121,776	\$5,165,067	9		
5	Heat Wave	Relatively Moderate	Relatively Moderate	\$1,300	\$1	\$2,166,413	\$2,167,714	2		
6	Strong Wind	Relatively High	Relatively High	\$753,518	\$14,990	\$1,040,185	\$1,808,692	317		Includes 39 High Wind records and 5 Strong Wind records, event types the NRI definition of this hazard leaves out.
7	Lightning	Relatively High	Relatively High	\$62,169		\$1,616,145	\$1,678,315	19		
8	Earthquake	Relatively Low	Relatively Low	\$1,177,966		\$390,310	\$1,568,277			Not in Storm Events. 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 (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
9	Ice Storm	Relatively High	Relatively High	\$838,409		\$167,992	\$1,006,401	3		
10	Winter Weather	Relatively High	Relatively High	\$350,716	\$413	\$57,032	\$408,161	36		
11	Hurricane	Very Low	Relatively Low	\$161,545	\$10,655	\$5,799	\$178,000	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Wildfire	Very Low	Very Low	\$42,773	\$25	\$5,543	\$48,340	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	Drought	Relatively Low	Relatively Low		\$40,781		\$40,781	6		
14	Landslide	Very Low	Very Low	\$941		\$1,956	\$2,897	0		Declared 1 time; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	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 90
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 90
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 90
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	2 of 90
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.	90 of 90
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 90
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 90
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.	90 of 90
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 90
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.	90 of 90
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.	90 of 90
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 90
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 90
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.	90 of 90
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 90
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 90
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.	88 of 90
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	90 of 90

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

Supports B1-c: extent

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

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	9, 1996 to 2022 (9 zone-level)	1 day to 10 days (median 2 days); 9 with a recorded value	10 consecutive days, 1997-01-10 to 1997-01-19, zone-level	Cold/Wind Chill, 1996-02-02, \$100,000 property; crops not reported, reported for the zone (1996 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).
Hail	hail size (inches)	229, 1960 to 2026	0.75 in to 3 in (median 0.88 in); 228 with a recorded value	3 in hail, 1980-08-10	Hail, 2008-07-26, \$30,000,000 property; \$0 crops (2008 dollars)	Event records naming member places: Canton city (52 records), Massillon city (20 records), Louisville city (16 records), Alliance city (13 records), Waynesburg village (13 records), Hartville village (9 records), North Canton city (9 records), Canal Fulton city (6 records), Navarre village (5 records), East Sparta village (4 records); and 4 more member places (see the XLSX file).	
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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Ice Storm	Sperry-Piltz (local data)	3, 2005 to 2007 (3 zone- level)		Ice Storm, 2005-01-05, \$6,200,000 property; crops not reported, reported for the zone (2005 dollars); NWS zone OHZ032 (STARK), 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)	74, 1996 to 2024 (14 zone- level)		Flash Flood, 2003-07-27, \$52,000,000 property; crops not reported (2003 dollars)		Event records naming member places: Canton city (8 records), Louisville city (4 records), Massillon city (4 records), Alliance city (3 records), Canal Fulton city (3 records), North Canton city (2 records), Wilmot village (2 records), Hartville village (1 record), Minerva village (1 record), Navarre village (1 record); and 1 more member place (see the XLSX file). Zone- level records (14) 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)	19, 1996 to 2017		Lightning, 2017-08-02, \$0 property; \$0 crops (2017 dollars), 1 direct death	Lightning, 2000-07-14, \$175,000 property; crops not reported (2000 dollars)	Event records naming member places: Canton city (4 records), North Canton city (2 records), Alliance city (1 record), Louisville city (1 record), Massillon 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)	44, 1996 to 2024 (44 zone- level)	35 kt (40 mph) to 54 kt (62 mph) (median 50 kt (58 mph)); 35 with a recorded value	54 kt (62 mph) measured gust, High Wind, 2006-12-01; NWS zone OHZ032 (STARK), zone- level: may include parts of neighboring counties	High Wind, 2008-09-14, \$2,000,000 property; \$250,000 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)	367, 1955 to 2026	50 kt (58 mph) to 83 kt (96 mph) (median 50 kt (58 mph)); 232 with a recorded value	83 kt (96 mph) estimated gust, Thunderstorm Wind, 2004-06-24	Thunderstorm Wind, 2006-06-22, \$1,200,000 property; crops not reported (2006 dollars)	Event records naming member places: Canton city (48 records), Alliance city (25 records), Massillon city (19 records), North Canton city (15 records), Canal Fulton city (13 records), Hartville village (11 records), Navarre village (9 records), Louisville city (7 records), Brewster village (5 records), East Sparta village (5 records); and 7 more member places (see the XLSX file).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	18, 1965 to 2025	F/EF0 to F/EF2 (median F/EF1); 18 with a recorded value	F2 tornado, 1965-11-16, 5.9 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 300 yd wide, \$2,500,000 property; crops not recorded (1965 dollars), 2 direct deaths, 9 direct injuries	Tornado, 2002-04-28, \$45,500,000 property; crops not reported (2002 dollars)	Event records naming member places: Brewster village (2 records), Canal Fulton city (2 records), East Sparta village (2 records), Massillon city (2 records), Canton 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.
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)	36, 1996 to 2022 (36 zone-level)		Winter Storm, 2004-12-22, \$3,800,000 property; crops not reported, reported for the zone (2004 dollars); NWS zone OHZ032 (STARK), 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.

Where a hazard names more than 10 member places, the table lists the 10 with the most records; every place is in the XLSX file, sheet "B1-c Extent".

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

8

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	\$43,794,556.75		
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		
2006-07-02	2006-06-21	DR-1651-OH	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT LINE WINDS, AND FLOODING	Inland Flooding; Strong Wind; Tornado	PA not declared for this county		
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		
2005-02-15	2004-12-22	DR-1580-OH	Major disaster	SEVERE WINTER STORMS, FLOODING, AND MUDSLIDES	Inland Flooding; Landslide; Winter Weather	\$284,452.42		
2004-09-19	2004-08-27	DR-1556-OH	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$57,375.77		FEMA's declaration record does not list Public Assistance, but FEMA's PA project summaries show obligations for this county
2004-06-03	2004-05-18	DR-1519-OH	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	PA not declared for this county		
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	\$552,855.31		
1978-01-26	1978-01-26	EM-3055-OH	Emergency	BLIZZARDS & SNOWSTORMS	Winter Weather	none found		
1977-02-02	1977-02-02	EM-3029-OH	Emergency	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 <i>federal share obligated, nominal dollars</i>	Why not placed
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	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	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	9	0	1	1	0	0	1996 to 2026-06-30	
Drought	6	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	229	5	3	8	0	0	1955 to 2026-06-30	
Heat Wave	2	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	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	0	1996 to 2026-06-30	

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Inland Flooding	74	1	2	3	6	0	1996 to 2026-06-30	
Landslide	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Lightning	19	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	411	25	6	31	2	0	1955 to 2026-06-30	Includes 39 High Wind records and 5 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	18	1	0	2	3	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	36	0	3	3	3	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
2022-12-23	Extreme Cold/ Wind Chill		damage not reported	1, 0	NWS zone OHZ032 (STARK), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; within last 5 years	deaths or injuries recorded
2017-08-02	Lightning		\$0 property; \$0 crops (2017 dollars)	1, 0	NORTH BREWSTER		B1-c worst recorded: Lightning
2006-12-01	High Wind	54 kt (62 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2006 dollars)	0, 0	NWS zone OHZ032 (STARK), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2006-06-22	Thunderstorm Wind	60 kt (69 mph) estimated gust	\$1,200,000 property; crops not reported (2006 dollars)	1, 1	COUNTYWIDE		deaths or injuries recorded
2005-01-05	Ice Storm		\$6,200,000 property; crops not reported, reported for the zone (2005 dollars)	0, 0	NWS zone OHZ032 (STARK), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2004-12-22	Winter Storm		\$3,800,000 property; crops not reported, reported for the zone (2004 dollars)	0, 0	NWS zone OHZ032 (STARK), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2004-06-24	Thunderstorm Wind	83 kt (96 mph) estimated gust	\$300,000 property; crops not reported (2004 dollars)	0, 0	CANAL FULTON		B1-c worst recorded: Thunderstorm Wind
2003-07-27	Flash Flood		\$52,000,000 property; crops not reported (2003 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1999-07-01	Heat		damage not reported	0, 0	NWS zone OHZ032 (STARK), 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 OHZ032 (STARK), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1980-08-10	Hail	3 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail
1965-11-16	Tornado	F2, 5.9 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 300 yd wide	\$2,500,000 property; crops not recorded (1965 dollars)	2, 9	location not recorded		deaths or injuries recorded

The full list is in the XLSX file, sheet "B1-d Storm Events history" (807 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	3.95	event-days per year	about 3.95 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	75	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.95 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	0.124	event-days per year	about 0.124 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	28	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000807	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0807%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	4.38	events per year	about 4.38 per year	Highly likely	FEMA annualized frequency (modeled)	166.6 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2	event-days per year	about 2 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	35	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 2 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	0.0078	events per year	about 1 in 128 years	Unlikely	FEMA annualized frequency (modeled)	4	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Ice Storm	0.48	event-days per year	about 0.48 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	33	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.18	event-days per year	about 2.18 days per year	Likely	event-days in 22 of 30 years, 1996 to 2025 (73.3%)	61	1996 to 2023 (28 years)	see B1-f	
Landslide	0.272	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	40.9	days per year with a strike	about 40.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.45	events per year	about 2.45 per year	Highly likely	FEMA annualized frequency (modeled)	94	1986 to 2023 (38 years)	countywide	
Tornado	0.273	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.
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.0000414	annual probability at a location	chance a given location in the county burns in a year: 0.00414%		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	10.2	event-days per year	about 10.2 days per year	Likely	event-days in 19 of 30 years, 1996 to 2025 (63.3%)	193	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	74	30	2.47
Hail	2.00 in+	1996 to 2025	5	30	0.167
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	202	30	6.73
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	7	30	0.233
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	61	30	2.03
Tornado	EF0-1	1996 to 2025	13	30	0.433
Tornado	EF2-3	1996 to 2025	1	30	0.0333
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 90				Not Applicable 90	
Coastal Flooding	0 of 90				Not Applicable 90	
Cold Wave	90 of 90	27.9	50.9	74.6	Relatively Moderate 58, Relatively Low 32	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	2 of 90	90.7	91.5	92.3	Relatively Moderate 1, Relatively Low 1, No Rating 88	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	90 of 90	14.0	34.4	58.7	Relatively Low 29, Very Low 61	
Hail	90 of 90	66.6	85.6	95.0	Relatively High 25, Relatively Moderate 64, Relatively Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	90 of 90	8.0	32.0	62.5	Relatively Moderate 1, Relatively Low 79, Very Low 10	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	90 of 90	28.4	38.4	50.5	Very Low 90	
Ice Storm	90 of 90	37.9	69.7	86.6	Relatively Moderate 47, Relatively Low 43	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	90 of 90	4.4	41.0	95.7	Very High 1, Relatively High 3, Relatively Moderate 29, Relatively Low 50, Very Low 7	
Landslide	90 of 90	11.6	40.7	91.6	Relatively Low 7, Very Low 83	
Lightning	90 of 90	29.6	62.9	89.0	Relatively High 7, Relatively Moderate 69, Relatively Low 14	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	90 of 90	26.6	53.4	75.8	Relatively Moderate 43, Relatively Low 47	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	90 of 90	32.5	51.0	67.9	Relatively Moderate 35, Relatively Low 55	
Tsunami	0 of 90				Not Applicable 90	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Volcanic Activity	0 of 90				Not Applicable 90	
Wildfire	88 of 90	19.3	53.2	77.1	Relatively Low 11, Very Low 77, No Rating 2	
Winter Weather	90 of 90	35.2	61.2	81.8	Relatively High 2, Relatively Moderate 80, Relatively Low 8	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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
Stark County	County	Approved, expires 2028-01-15	FMA RL 1, SRL 7; any 28	\$750	0; 0	
Alliance city	City	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	42; 1	
Beach City village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	\$38,427.74	3; 0	
Brewster village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	\$10,664.50	10; 0	
Canal Fulton city	City	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 2	\$31,866.75	24; 1	
Canton city	City	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 2	\$13,443.71	113; 2	
East Canton village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 1	none found	3; 0	
East Sparta village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	\$34,275.68	11; 1	
Hartville village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	21; 0	
Hills and Dales village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	1; 0	
Louisville city	City	Approved, expires 2028-01-15	FMA RL 0, SRL 2; any 7	\$213,291.99	28; 4	

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
Magnolia village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	2; 0	
Massillon city	City	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 1	\$34,161	46; 0	
Meyers Lake village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	2; 0	
Minerva village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 1	\$69,316.45	1; 0	
Navarre village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	15; 0	
North Canton city	City	Approved, expires 2028-01-15	FMA RL 0, SRL 1; any 6	none found	28; 0	
Waynesburg village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	18; 0	
Wilmot village	Village	Approved, expires 2028-01-15	FMA RL 0, SRL 0; any 0	none found	6; 1	
Jackson township	Township	Approved, expires 2028-01-15		none found	0; 0	No NFIP community ID on this member's plan row.
Plain township	Township	Approved, expires 2028-01-15		none found	0; 0	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 2023-01-16 <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	\$85,421,332,253	\$123,387,709	374,812	\$10,810	\$32,482	\$5,121,776	under 0.0001%				
Drought		\$3,548,297			\$40,781		1.15% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$150,057,207,462		374,853	\$1,177,966		\$390,310	0.000785%				
Hail	\$85,421,332,253	\$123,387,709	374,812	\$6,087,979	\$14,105	\$128,086	0.00713%	\$0			
Heat Wave	\$85,421,332,253	\$123,387,709	374,812	\$1,300	\$1	\$2,166,413	under 0.0001%				
Hurricane	\$84,491,719,198	\$121,570,651	371,014	\$161,545	\$10,655	\$5,799	0.000191%				
Ice Storm	\$85,325,306,834		374,487	\$838,409		\$167,992	0.000983%				
Inland Flooding	\$85,382,109,240	\$3,441,313	3,799	\$49,533,621	\$17,885	\$131,410	n/a (see note)	\$15,000			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	\$1,142,245,723		4,868	\$941		\$1,956	under 0.0001%				
Lightning	\$85,421,332,253		374,812	\$62,169		\$1,616,145	under 0.0001%				
Strong Wind	\$85,421,332,253	\$123,387,709	374,812	\$753,518	\$14,990	\$1,040,185	0.000882%	\$134,000	\$0		
Tornado	\$85,421,332,253	\$123,387,709	374,812	\$4,498,817	\$484	\$2,131,685	0.00527%	\$10,000			
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$26,983,897,852	\$62,556,848	125,120	\$42,773	\$25	\$5,543	0.000159%				
Winter Weather	\$85,421,332,253	\$123,387,709	374,812	\$350,716	\$413	\$57,032	0.000411%				

Totals since 2023-01-16 (Storm Events through 2026-06-30): 31 county-coded records, 31 with a damage value recorded (including \$0), \$159,000; 1 zone-level records, 1 with a damage value recorded (including \$0), \$0 reported for the zone; 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	374,812
Building value (total, not at risk)	\$85,421,332,253
Agriculture value (total, not at risk)	\$123,387,709
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$63,652,385
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)	\$12,964,333
Social vulnerability rating	Relatively Low
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)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	10
Repetitive loss, NFIP insurance definition	44	Severe repetitive loss, NFIP insurance definition	6

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	1	10	44	6	48	3	9
CANAL FULTON, CITY OF	0	0	2	0	2	0	0
CANTON, CITY OF	0	0	2	0	2	0	0
EAST CANTON, VILLAGE OF	0	0	1	0	1	0	0
LOUISVILLE, CITY OF	0	2	7	2	7	0	1
MASSILLON, CITY OF	0	0	1	0	1	0	0
MINERVA, VILLAGE OF	0	0	1	0	1	0	0
NORTH CANTON, CITY OF	0	1	5	0	6	1	1
STARK COUNTY*	1	7	25	4	28	2	7
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
Stark County	390780	1	7	25	4	28	2	7	
Alliance city	390508	0	0	0	0	0	0	0	
Beach City village	390509	0	0	0	0	0	0	0	
Brewster village	390510	0	0	0	0	0	0	0	
Canal Fulton city	390511	0	0	2	0	2	0	0	
Canton city	390512	0	0	2	0	2	0	0	
East Canton village	390513	0	0	1	0	1	0	0	
East Sparta village	390655	0	0	0	0	0	0	0	
Hartville village	390514	0	0	0	0	0	0	0	
Hills and Dales village	390515	0	0	0	0	0	0	0	
Louisville city	390516	0	2	7	2	7	0	1	
Magnolia village	390051	0	0	0	0	0	0	0	
Massillon city	390517	0	0	1	0	1	0	0	
Meyers Lake village	390519	0	0	0	0	0	0	0	
Minerva village	390518	0	0	1	0	1	0	0	
Navarre village	390520	0	0	0	0	0	0	0	
North Canton city	390521	0	1	5	0	6	1	1	
Waynesburg village	390667	0	0	0	0	0	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
Wilmot village	390522	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	1	4	32	2	34	1	5
2 to 4 unit residential	0	2	2	1	3	1	0
other residential	0	0	1	0	1	0	1
non-residential	0	4	9	3	10	1	3
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 fmaRl field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRl) 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 43 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). Stark County, OH: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 39151). 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_39151. Preview: automated baseline.