

Calhoun County, MI

Risk-assessment baseline packet

County FIPS: 26025 **Release:** 2026-10 **Data as of:** 2026-09-30 **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.

Summary

Plan status as of 2026-09-30: Approved, expires 2029-12-10. Plan: Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), approved 2024-12-11. Since the plan was approved on 2024-12-11: no new hazard declaration and 19 NOAA Storm Events records; details under "What changed since your last plan". Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$17,234,175 a year), Tornado (\$6,648,722) and Strong Wind (\$4,254,293). The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.
NRI: FEMA's National Risk Index (version 1.20, December 2025).
NFIP: National Flood Insurance Program.
RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).
FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.
PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.
Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.
County-coded: NOAA logged the event to this county.
FIPS: the federal code for a place; 26025 is this area.
D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).
F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.
kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.
CFR: Code of Federal Regulations.
A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).
Dollars: nominal (as reported, labeled with the year), not adjusted for inflation.

CONTENTS

1. Summary and terms used, page 1
2. Plan clock, page 2
3. What changed since your last plan (approved 2024-12-11), page 2
4. B1-a: hazard identification, page 5
5. B1-b: hazard location, page 6
6. B1-c: hazard extent, page 7
7. B1-d: previous occurrences, page 9
8. B1-e: probability of future events, page 12
9. B1-f: hazards that vary across jurisdictions, page 14
10. B2-a and B2-b: vulnerability and potential impacts, page 17
11. B2-a: vulnerability (county context), page 18
12. B2-c: repetitive loss properties, page 19
13. Sources, what the plan adds, disclaimer and citation, page 21

Plan clock

Status:	Approved, expires 2029-12-10	Plan:	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)
Approved:	2024-12-11	Days to expiry:	1,167

What changed since your last plan (approved 2024-12-11)

New federal declarations:	none	Storm Events records since approval:	19 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 6	Repeat-flood change:	this release sets the baseline count.

Sources: 1, 2, 4, 6 (numbered list at the end)

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" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Calhoun County	County	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Albion city	City	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2026-07-01
Athens village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Battle Creek city	City	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		
Burlington village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Homer village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Marshall city	City	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Springfield city	City	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Tekonsha village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Athens township	Township	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Emmett charter township	Township	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Leroy township	Township	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Sheridan township	Township	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Athens Area Schools	School/School District	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Battle Creek Public Schools	School/School District	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Harper Creek Community Schools	School/School District	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Homer Community Schools	School/School District	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Lakeview School District	School/School District	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Mar Lee School District	School/School District	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177), pending adoption here	2024-12-11 by FEMA; not yet adopted here	2029-12-10 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Marshall Public Schools	School/School District	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Tekonsha Community Schools	School/School District	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14
Calhoun Intermediate School District	School/School District	Approved, expires 2029-12-10	Calhoun County 2024 Hazard Mitigation Plan (FEMA plan 110177)	2024-12-11	2029-12-10	1,167		this jurisdiction approved 2025-04-14

Plan 110177 covers 1 other participant: Nottawaseppi Huron Band of the Potawatomi, Michigan.

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- 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)

Sources: 5, 6

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Moderate	\$17,211,942	\$10,993	\$11,240	\$17,234,175	13	
2	Tornado	Relatively Moderate	Relatively Moderate	\$4,012,342	\$4,295	\$2,632,084	\$6,648,722	7	
3	Strong Wind	Relatively High	Relatively High	\$2,490,518	\$70,084	\$1,693,691	\$4,254,293	184	Includes 10 High Wind records (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
4	Cold Wave	Relatively Moderate	Relatively Moderate	\$1,423	\$57,287	\$2,840,924	\$2,899,634	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
5	Hail	Relatively Moderate	Relatively Moderate	\$1,665,858	\$35,836	\$18,633	\$1,720,327	43	
6	Earthquake	Relatively Low	Relatively Low	\$527,006	n/a	\$162,186	\$689,192		Storm Events does not record earthquakes.
7	Heat Wave	Relatively Low	Relatively Low	\$5,965	\$1	\$392,029	\$397,995	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
8	Lightning	Relatively Low	Relatively Low	\$26,879	n/a	\$247,918	\$274,797	1	
9	Ice Storm	Relatively Moderate	Relatively Moderate	\$210,153	n/a	\$37,818	\$247,971	4	
10	Winter Weather	Relatively Moderate	Relatively Moderate	\$25,361	\$890	\$100,299	\$126,550	70	Includes 1 Sleet record (outside NRI's Winter Weather definition).
11	Hurricane	Very Low	Very Low	\$20,611	\$5,304	\$62	\$25,977	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
12	Wildfire	Very Low	Very Low	\$12,076	\$7	\$1,272	\$13,355	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Landslide	Very Low	Very Low	\$661	n/a	\$2,542	\$3,203	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Drought	No Rating	No Expected Annual Losses	n/a	\$0	n/a	\$0	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local wildfire and landslide records (Storm Events records these hazards only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: avalanche, coastal flooding, tsunامي and volcanic activity. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

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.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 41 (Relatively Low, 63.8); tract 40 (Relatively Low, 56.6); tract 30 (Relatively Low, 56.5)
Hurricane	tract 26 (Very Low, 38.9); tract 37 (Very Low, 37.8); tract 27 (Very Low, 37.6)
Landslide	tract 37 (Relatively Low, 90.2); tract 27 (Relatively Low, 89.3); tract 22 (Relatively Low, 87.7)
Tornado	tract 27 (Relatively High, 85.9); tract 26 (Relatively High, 84.5); tract 41 (Relatively High, 83.8)
Wildfire	tract 27 (Very Low, 67.8); tract 15 (Very Low, 67.7); tract 19 (Very Low, 66.4)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 41 is Census Tract 41). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	0					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					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	77 records, 1963 to 2026	0.75 in to 2.75 in (median 1 in); 77 with a recorded value	2.75 in hail, 2019-06-01; same size also recorded on 1991-03-27, 1991-04-09	Hail, 2024-02-28, \$500,000 property; \$0 crops (2024 dollars)	Event records naming jurisdictions in the plan: Battle Creek city (11 records), Marshall city (6 records), Burlington village (4 records), Albion city (3 records), Tekonsha village (3 records), Athens township (2 records), Athens village (2 records), Homer village (1 record), Springfield city (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	0					
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	4 records, 1997 to 2023 (4 zone-level)		Ice Storm, 2013-12-21, \$1,000,000 property; \$0 crops (2013 dollars); NWS zone MIZ073		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	13 records, 2000 to 2013 (4 zone-level)		Flood, 2013-04-17, \$5,000,000 property; \$0 crops (2013 dollars)		Event records naming jurisdictions in the plan: Athens township (1 record), Athens village (1 record), Marshall city (1 record). Zone-level records (4) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	1 record, 1998		Lightning, 1998-05-01, \$11,000 property; crops not reported (1998 dollars)		Event records naming jurisdictions in the plan: Battle Creek city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	10 records, 1997 to 2021 (10 zone-level)	42 kt (48 mph) to 62 kt (71 mph) (median 52 kt (60 mph)); 9 with a recorded value	62 kt (71 mph), measurement type not recorded, High Wind, 1998-11-10; NWS zone MIZ073	High Wind, 2017-03-08, \$10,000,000 property; \$0 crops (zone total, 2017 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	286 records, 1956 to 2026	50 kt (58 mph) to 100 kt (115 mph) (median 53 kt (61 mph)); 190 with a recorded value	100 kt (115 mph), measurement type not recorded, Thunderstorm Wind, 1999-05-17	Thunderstorm Wind, 2011-05-29, \$25,000,000 property; crops not reported (2011 dollars)	Event records naming jurisdictions in the plan: Battle Creek city (33 records), Marshall city (20 records), Albion city (16 records), Springfield city (9 records), Burlington village (8 records), Tekonsha village (8 records), Athens township (4 records), Athens village (4 records), Homer village (3 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	18 records, 1964 to 2026	F/EF0 to F/EF3 (median F/EF1); 18 with a recorded value	F3 tornado, 1991-03-27, 2 mi path length (whole path, pre-1996), 400 yd wide, \$250,000 property; crops not recorded (1991 dollars), 18 direct injuries	Tornado, 2010-06-05, \$2,000,000 property; \$0 crops (2010 dollars)	Event records naming jurisdictions in the plan: Battle Creek city (1 record), Marshall city (1 record), Tekonsha village (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	70 records, 1996 to 2025 (70 zone-level)		Heavy Snow, 1997-10-26, \$1,200,000 property; crops not reported (1997 dollars); NWS zone MIZ073		Countywide (zone-level records).	

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of debris flow and lightning.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records from zones that no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 9 declarations covering 5 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2020-03-27	2020-01-20	DR-4494-MI	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$1,046,999.95	
2020-03-13	2020-01-20	EM-3455-MI	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4494
2005-09-07	2005-08-29	EM-3225-MI	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$47,716.75	
2003-09-23	2003-08-14	EM-3189-MI	Emergency	Power Outage	Non-natural, not counted	\$3,284.05	
2001-01-10	2000-12-11	EM-3160-MI	Emergency	Snow	Winter Weather	\$171,282.90	
1980-09-08	1980-09-08	DR-631-MI	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1978-01-27	1978-01-27	EM-3057-MI	Emergency	Blizzards & Snowstorms	Winter Weather	no Public Assistance recorded	
1975-04-26	1975-04-26	DR-465-MI	Major disaster	Severe Storms, High Winds & Flooding	Inland Flooding (primary); also designated: Strong Wind	no Public Assistance recorded	
1972-04-05	1972-04-05	DR-330-MI	Major disaster	Severe Storm & Freezing	Winter Weather	no Public Assistance recorded	

School districts and special districts in this county: \$48,595.36 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

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.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1956-04-05	1956-04-05	DR-53-MI	Major disaster	Tornado	Tornado
1953-06-09	1953-06-09	DR-6-MI	Major disaster	Tornado	Tornado
1953-06-02	1953-06-02	DR-4-MI	Major disaster	Tornado	Tornado

FEMA recorded these with designated area Statewide and no county, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	77	1	1	4	0	0	1955 to 2026-06-30	
Heat Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
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	4	0	0	1	0	0	1996 to 2026-06-30	
Inland Flooding	13	0	0	0	2	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	1	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	296	14	7	27	1	0	1955 to 2026-06-30	Includes 10 High Wind records.
Tornado	18	2	1	3	0	0	1950 to 2026-06-30	
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	70	2	1	7	3	0	1996 to 2026-06-30	Includes 1 Sleet record.

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Why listed
2019-06-01	Hail	2.75 in	\$100,000 property; \$100,000 crops (2019 dollars)	0, 0	BATTLE CREEK	B1-c worst recorded: Hail
2017-03-08	High Wind	51 kt (59 mph) measured gust	\$10,000,000 property; \$0 crops (zone total, 2017 dollars)	0, 0	NWS zone MIZ073 (CALHOUN), zone-level	B1-c most damaging: High Wind and Strong Wind
2013-12-21	Ice Storm		\$1,000,000 property; \$0 crops (zone total, 2013 dollars)	0, 0	NWS zone MIZ073 (CALHOUN), zone-level	B1-c worst recorded: Ice Storm
2013-04-17	Flood		\$5,000,000 property; \$0 crops (2013 dollars)	0, 0	BEDFORD to ATHENS	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2010-06-05	Tornado	EF1, 1.62 mi within this county, 300 yd wide	\$2,000,000 property; \$0 crops (2010 dollars)	0, 0	SPRINGFIELD PLACE to LAKEVIEW	B1-c most damaging: Tornado
2001-10-24	Thunderstorm Wind	80 kt (92 mph) estimated	\$1,000,000 property; \$100,000 crops (2001 dollars)	0, 6	TEKONSHA	deaths or injuries recorded
1999-05-17	Thunderstorm Wind	100 kt (115 mph), measurement type not recorded	\$100,000 property; crops not reported (1999 dollars)	0, 0	COUNTYWIDE	B1-c worst recorded: Thunderstorm Wind
1998-11-10	High Wind	62 kt (71 mph), measurement type not recorded	damage not reported	0, 0	NWS zone MIZ073 (CALHOUN), zone-level	B1-c worst recorded: High Wind and Strong Wind
1998-06-12	Thunderstorm Wind	speed not recorded	\$500,000 property; crops not reported (1998 dollars)	1, 2	PENNFIELD	deaths or injuries recorded
1998-05-01	Lightning		\$11,000 property; crops not reported (1998 dollars)	0, 0	BATTLE CREEK	B1-c worst recorded: Lightning
1997-10-26	Heavy Snow		\$1,200,000 property; crops not reported (zone total, 1997 dollars)	0, 0	NWS zone MIZ073 (CALHOUN), zone-level	B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
1991-03-27	Tornado	F3, 2 mi path length (whole path, pre-1996), 400 yd wide	\$250,000 property; crops not recorded (1991 dollars)	0, 18	location not recorded	deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (479 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

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

Supports FEMA checklist item B1-e: probability of future events

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

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
Cold Wave	2.26	event-days per year	about 2.26 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	43	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events cold wave record, 1996 to 2025.
Drought	0	event-days per year	none modeled		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.00104	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.105%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.55	events per year	about 2.55 per year	Highly likely	FEMA annualized frequency (modeled)	96.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.68	event-days per year	about 2.68 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	39	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.0129	events per year	about 1 in 78 years	Possible	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 in B1-d.
Ice Storm	1.72	event-days per year	about 1.72 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	116	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.393	event-days per year	about 0.393 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	11	1996 to 2023 (28 years)	see B1-f	
Landslide	0.171	events per year (modeled)	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	36.3	days per year with a strike	about 36.3 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	4.89	events per year	about 4.89 per year	Highly likely	FEMA annualized frequency (modeled)	186	1986 to 2023 (38 years)	countywide	

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
Tornado	0.347	events per year	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.0000171	annual probability at a location	chance a given location in the county burns in a year: 0.00171%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	18.4	event-days per year	about 18.4 days per year	Likely	Storm Events event- days in 24 of 30 years, 1996 to 2025 (80%)	350	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

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

Intensity bands: historical frequency (Storm Events)

Source: 6

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	22	30	0.733
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	133	30	4.43
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	11	30	0.367
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	24	30	0.8
Tornado	EF0-1	1996 to 2025	6	30	0.2
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

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

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.

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 (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	40 of 40	38.2	57.7	76.8	Relatively Moderate 36, Relatively Low 4
Drought	0 of 40				No Rating 40
Earthquake	40 of 40	14.9	35.5	63.8	Relatively Low 12, Very Low 28
Hail	40 of 40	53.0	80.5	90.8	Relatively High 2, Relatively Moderate 35, Relatively Low 3
Heat Wave	40 of 40	5.1	12.4	28.9	Relatively Low 12, Very Low 28
Hurricane	40 of 40	22.1	30.4	38.9	Very Low 40
Ice Storm	40 of 40	17.6	55.8	76.5	Relatively Moderate 5, Relatively Low 34, Very Low 1
Inland Flooding	40 of 40	5.0	25.6	98.0	Very High 1, Relatively Moderate 3, Relatively Low 29, Very Low 7
Landslide	40 of 40	33.4	68.1	90.2	Relatively Low 10, Very Low 30
Lightning	40 of 40	17.1	34.3	55.6	Relatively Moderate 1, Relatively Low 37, Very Low 2
Strong Wind	40 of 40	64.9	92.2	97.4	Very High 2, Relatively High 34, Relatively Moderate 4

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	40 of 40	45.2	71.6	85.9	Relatively High 8, Relatively Moderate 31, Relatively Low 1
Wildfire	40 of 40	25.4	52.6	67.8	Very Low 40
Winter Weather	40 of 40	35.0	55.6	71.6	Relatively Moderate 32, Relatively Low 8

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.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are.

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Calhoun County	County	Approved, expires 2029-12-10		\$1,049,105.20	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row. Includes \$1,046,999.95 for declarations not counted as hazard incidents (DR-4494-MI).
Albion city	City	Approved, expires 2029-12-10	FMA RL 0, SRL 0; any 0	\$6,172.50	19 total; 1 since its plan	
Athens village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$1,793.25	7 total; no approved plan	
Battle Creek city	City	Approved, expires 2029-12-10	FMA RL 0, SRL 0; any 3	\$58,504.44	46 total; 1 since its plan	Includes \$10,426.44 for declarations not counted as hazard incidents (EM-3225-MI).
Burlington village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	12 total; no approved plan	
Homer village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$1,953.75	4 total; no approved plan	
Marshall city	City	Approved, expires 2029-12-10	FMA RL 0, SRL 0; any 0	\$10,130.80	28 total; 0 since its plan	Includes \$3,284.05 for declarations not counted as hazard incidents (EM-3189-MI).
Springfield city	City	Approved, expires 2029-12-10	FMA RL 0, SRL 0; any 0	\$6,054.75	10 total; 1 since its plan	
Tekonsha village	Village	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	12 total; no approved plan	

			Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Jurisdiction	Type	Plan status				
Athens township	Township	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	7 total; no approved plan	
Emmett charter township	Township	Approved, expires 2029-12-10	FMA RL 0, SRL 0; any 2	no Public Assistance recorded	0 total; 0 since its plan	
Leroy township	Township	Plan 110177 approved 2024-12-11, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Sheridan township	Township	Approved, expires 2029-12-10	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	

Repetitive-loss counts are for whole NFIP communities, which can extend beyond this county (see the note in B2-c).

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

County Public Assistance in B1-d also includes applicants filed under the county that are not jurisdictions in this plan (for example state agencies, special districts and nonprofits), so the jurisdiction rows add up to less.

Supports FEMA checklist items B2-a and B2-b: vulnerability and potential impacts

Local data needed

The table below gives county-level starting figures; the plan describes impacts for each jurisdiction and its own assets.

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

Sources: 1, 2, 3, 5, 6, 7

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-12-11 <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
Cold Wave	\$28,732,768,811	\$146,599,075	134,279	\$1,423	\$57,287	\$2,840,924	under 0.0001%				
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$51,658,541,120	n/a	134,310	\$527,006	n/a	\$162,186	0.00102%				
Hail	\$28,732,768,811	\$146,599,075	134,279	\$1,665,858	\$35,836	\$18,633	0.0058%	\$0			
Heat Wave	\$28,732,768,811	\$146,599,075	134,279	\$5,965	\$1	\$392,029	under 0.0001%				
Hurricane	\$28,724,858,579	\$145,816,412	134,198	\$20,611	\$5,304	\$62	under 0.0001%				
Ice Storm	\$28,731,418,939	n/a	134,263	\$210,153	n/a	\$37,818	0.000731%				
Inland Flooding	\$28,707,212,960	\$2,330,175	1,955	\$17,211,942	\$10,993	\$11,240	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.
Landslide	\$245,342,043	n/a	1,228	\$661	n/a	\$2,542	0.00027%				
Lightning	\$28,732,768,811	n/a	134,279	\$26,879	n/a	\$247,918	under 0.0001%				
Strong Wind	\$28,732,768,811	\$146,599,075	134,279	\$2,490,518	\$70,084	\$1,693,691	0.00867%				
Tornado	\$28,732,768,811	\$146,599,075	134,279	\$4,012,342	\$4,295	\$2,632,084	0.014%				

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>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-12-11 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$9,329,122,256	\$48,463,190	47,508	\$12,076	\$7	\$1,272	0.000129%				
Winter Weather	\$28,732,768,811	\$146,599,075	134,279	\$25,361	\$890	\$100,299	under 0.0001%		\$0		

Totals since 2024-12-11 (Storm Events through 2026-06-30): 17 county-coded records, 1 with a damage value recorded (including \$0), \$0; 2 zone-level records, 1 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

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 does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	134,279
Building value (total, not at risk)	\$28,732,768,811
Agriculture value (total, not at risk)	\$146,599,075
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$26,395,493
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)	\$8,140,699
Social vulnerability rating	Relatively Low
Community resilience rating	Very High
NRI version	December 2025

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	6	Severe repetitive loss, NFIP insurance definition	0

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county and state-level rows

Sources: 1, 4

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	0	0	6	0	6	0	3
of which: Battle Creek city	0	0	3	0	3	0	1
of which: Emmett township	0	0	2	0	2	0	2
of which: Newton township (community ID not in plan data)	0	0	1	0	1	0	0
Statewide, no county in FEMA's file	0	0	4	0	4	0	0

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	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>
Albion city	260050	0	0	0	0	0	0	0
Athens village	260558	0	0	0	0	0	0	0
Battle Creek city	260051	0	0	3	0	3	0	1
Burlington village	260559	0	0	0	0	0	0	0
Homer village	260331	0	0	0	0	0	0	0
Marshall city	260053	0	0	0	0	0	0	0
Springfield city	260054	0	0	0	0	0	0	0
Tekonsha village	260565	0	0	0	0	0	0	0
Athens township	261056	0	0	0	0	0	0	0
Emmett charter township	260561	0	0	2	0	2	0	2
Leroy township	260655	0	0	0	0	0	0	0
Sheridan township	260649	0	0	0	0	0	0	0

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction 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 jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

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	0	0	6	0	6	0	3
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	0	0	0	0	0
not reported	0	0	0	0	0	0	0

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

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. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 6 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <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 2026-09-30, 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 2026-09-30, <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 2026-09-30, <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 2026-09-30, 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_Gaz_cousubs_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_Gaz_unsd_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_Gaz_scscd_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 (used to match place names and codes; no table prints its values)
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What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

OpenFEMA disclaimer

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

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Corrections: to report an error, name the packet, the table and what your records show. Contact: contact@hazardplain.org