

Emmet County, MI

Risk-assessment baseline packet

County FIPS: 26047 **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 2030-06-24. Plan: Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), approved 2025-06-25.

Since the plan was approved on 2025-06-25: 2 new hazard declarations (2 incidents): DR-4880-MI (Severe Winter Storm), DR-4925-MI (Severe Storms, Tornadoes, and Flooding).

NOAA Storm Events records since that date: 10 records (data through 2026-06-30).

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$7,724,012 a year), Cold Wave (\$4,026,350) and Tornado (\$480,966).

Repetitive-loss flood properties now: FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 0.

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; 26047 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.

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Plan clock

Status:	Approved, expires 2030-06-24	Plan:	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720)
Approved:	2025-06-25	Days to expiry:	1,363

What changed since your last plan (approved 2025-06-25)

New federal declarations:	2 new hazard declarations (2 incidents): DR-4880-MI (Severe Winter Storm), DR-4925-MI (Severe Storms, Tornadoes, and Flooding)	Storm Events records since approval:	10 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 0	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: 19 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
Emmet County	County	Approved, expires 2030-06-24	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720)	2025-06-25	2030-06-24	1,363		
Alanson village	Village	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Harbor Springs city	City	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Mackinaw City village	Village	Approved, expires 2028-07-18	Cheboygan County HMP Update (FEMA plan 108112)	2023-07-19	2028-07-18	657	FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Pellston village	Village	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Petoskey city	City	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Bear Creek township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Center township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cross Village township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Friendship township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Little Traverse township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Littlefield township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Maple River township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
McKinley township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Pleasantview township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Readmond township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Resort township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Springvale township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Traverse township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	Emmet County Hazard Mitigation Plan 2025 (FEMA plan 110720), pending adoption here	2025-06-25 by FEMA; not yet adopted here	2030-06-24 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

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 Low	Relatively Low	\$7,723,942	\$1	\$69	\$7,724,012	5	
2	Cold Wave	Relatively Moderate	Relatively High	\$616	\$394,146	\$3,631,588	\$4,026,350	9	Includes 1 Frost/Freeze record (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
3	Tornado	Relatively Low	Relatively Low	\$227,798	\$49	\$253,119	\$480,966	1	
4	Lightning	Relatively Low	Relatively Low	\$6,438	n/a	\$158,185	\$164,623	1	
5	Hail	Very Low	Relatively Low	\$125,205	\$2,122	\$9,025	\$136,352	16	
6	Strong Wind	Very Low	Very Low	\$46,500	\$1,222	\$56,912	\$104,633	52	Includes 15 High Wind and 1 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
7	Heat Wave	Very Low	Very Low	\$632	under \$1	\$67,680	\$68,313	2	
8	Winter Weather	Very Low	Relatively Low	\$2,028	\$110	\$17,947	\$20,085	130	
9	Landslide	Relatively Low	Relatively Low	\$1,251	n/a	\$10,104	\$11,355	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
10	Ice Storm	Very Low	Very Low	\$8,626	n/a	\$1,398	\$10,023	6	
11	Coastal Flooding	Very Low	Very Low	\$5,987	n/a	\$168	\$6,155	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Earthquake	Very Low	Very Low	\$4,956	n/a	\$1,070	\$6,026		Storm Events does not record earthquakes.

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
13	Wildfire	Very Low	Very Low	\$5,516	\$1	\$480	\$5,996	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Hurricane	Very Low	Very Low	\$3,027	\$172	\$1	\$3,200	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Drought	No Rating	No Expected Annual Losses	n/a	\$0	n/a	\$0	2	
	Tsunami	Insufficient Data	Insufficient Data	n/a	n/a	n/a	n/a	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 landslide, wildfire and tsunami 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 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.

Coastal Flooding and 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 9708 (Very Low, 9.8); tract 9704 (Very Low, 6.3); tract 9706 (Very Low, 5.0)
Hurricane	tract 9708 (Very Low, 31.1); tract 9704 (Very Low, 30.1); tract 9706 (Very Low, 29.9)
Landslide	tract 9703.01 (Relatively Moderate, 96.5); tract 9706 (Relatively Low, 95.4); tract 9705 (Relatively Low, 92.5)
Tornado	tract 9708 (Relatively Moderate, 58.0); tract 9706 (Relatively Moderate, 55.3); tract 9704 (Relatively Low, 53.2)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 9703.01 (Relatively Low, 73.1); tract 9706 (Very Low, 65.6); tract 9704 (Very Low, 62.7)

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 9708 is Census Tract 9708). 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
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	8 records, 2007 to 2026 (8 zone-level)	1 day to 3 days (median 2.5 days); 6 with a recorded value	3 consecutive days, 2026-02-06 to 2026-02-08, zone-level		Countywide (zone-level records).	Wind chill: in event narratives only (local data needed).
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2012 (1 zone-level)		Frost/Freeze, 2012-04-27, \$5,000,000 crop damage (2012 dollars); NWS zone MIZ016		Countywide (zone-level records).	Temperature: in event narratives only (local data needed).
Drought	U.S. Drought Monitor scale (D0 to D4)	2 records, 2007 (2 zone-level)	14 days; 1 with a recorded value	14 days, 2007-08-28 to 2007-09-10, a run of 2 consecutive Storm Events drought records, zone-level		Countywide (zone-level records).	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)	18 records, 1983 to 2019	0.75 in to 2.5 in (median 0.88 in); 18 with a recorded value	2.5 in hail, 1998-06-24		Event records naming jurisdictions in the plan: Petoskey city (5 records), Pellston village (2 records), Alanson village (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	2 records, 2001 to 2018 (2 zone-level)	1 day to 9 days (median 5 days); 2 with a recorded value	9 consecutive days, 2001-08-01 to 2001-08-09, zone-level		Countywide (zone-level records).	Heat index: in event narratives only (local data needed).
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)	6 records, 1997 to 2026 (6 zone-level)		No damage reported in 6 records.		Countywide (zone-level records).	Ice thickness: in event narratives only (local data needed).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	5 records, 2011 to 2022 (2 zone-level)		Lakeshore Flood, 2020-04-13, \$150,000 property; \$0 crops (2020 dollars); NWS zone MIZ016		Event records naming jurisdictions in the plan: Alanson village (1 record). Zone-level records (2) 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					Physical measure: in event narratives only (local data needed).
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	1 record, 2011		Lightning, 2011-05-11, \$4,000 property; \$0 crops (2011 dollars)		Event records naming jurisdictions in the plan: Petoskey city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only (local data needed).
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	16 records, 1998 to 2021 (16 zone-level)	43 kt (49 mph) to 55 kt (63 mph) (median 51.5 kt (59 mph)); 16 with a recorded value	55 kt (63 mph) measured gust, High Wind, 2021-12-16; NWS zone MIZ016	High Wind, 2014-09-04, \$65,000 property; \$0 crops, reported for the zone (2014 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	57 records, 1967 to 2021	50 kt (58 mph) to 65 kt (75 mph) (median 52 kt (60 mph)); 47 with a recorded value	65 kt (75 mph), measurement type not recorded, Thunderstorm Wind, 1999-07-31; same speed and measurement basis also recorded on 1999-07-31	Thunderstorm Wind, 2020-07-18, \$135,000 property; \$0 crops (2020 dollars)	Event records naming jurisdictions in the plan: Petoskey city (8 records), Harbor Springs city (3 records), Pellston village (3 records), Alanson village (2 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	5 records, 1953 to 1996	F/EF0 to F/EF1 (median F/EF1); 5 with a recorded value	F1 tornado, 1957-07-04, 6.1 mi path length (whole path, pre-1996), 33 yd wide, \$25,000 property; crops not recorded (1957 dollars)	Tornado, 1987-08-18, \$25,000 property; crops not recorded (1987 dollars)	No event record names a jurisdiction in the plan.	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).
Tsunami	none (count and damage only)	0					Physical measure: in event narratives only (local data needed).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	0					Acres burned: in event narratives only (local data needed).
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	130 records, 1996 to 2026 (130 zone-level)		Heavy Snow, 2012-03-02, \$200,000 property; \$0 crops (2012 dollars); NWS zone MIZ016		Countywide (zone-level records).	Snow depth: in event narratives only (local data needed).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records whose zone 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: 7 declarations covering 4 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>	Flags	Notes
2026-06-30	2026-04-10	DR-4925-MI	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding (primary); also designated: Tornado	\$7,292.63	new since last plan; within last 5 years	
2025-07-22	2025-03-28	DR-4880-MI	Major disaster	Severe Winter Storm	Ice Storm (primary); also designated: Winter Weather	\$4,595,573.12	new since last plan; within last 5 years	
2020-03-27	2020-01-20	DR-4494-MI	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$6,895,191.92		
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	no Public Assistance recorded		
1978-01-27	1978-01-27	EM-3057-MI	Emergency	Blizzards & Snowstorms	Winter Weather	no Public Assistance recorded		
1977-03-02	1977-03-02	EM-3035-MI	Emergency	Drought	Drought	no Public Assistance recorded		

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
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	5	0	5	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	2	0	0	0	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	18	0	0	0	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	6	1	1	2	1	1	1996 to 2026-06-30	
Inland Flooding	5	0	0	1	1	1	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	73	0	0	1	0	0	1955 to 2026-06-30	Includes 15 High Wind and 1 Strong Wind records.
Tornado	5	0	0	0	1	1	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

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
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	130	4	3	14	2	1	1996 to 2026-06-30	

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	Flags	Why listed
2026-02-06	Cold/Wind Chill		damage not reported	0, 0	NWS zone MIZ016 (EMMET), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2021-12-16	High Wind	55 kt (63 mph) measured gust	\$25,000 property; \$0 crops, reported for the zone (2021 dollars)	0, 0	NWS zone MIZ016 (EMMET), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2020-04-13	Lakeshore Flood		\$150,000 property; \$0 crops, reported for the zone (2020 dollars)	0, 0	NWS zone MIZ016 (EMMET), zone-level		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2012-04-27	Frost/Freeze		\$0 property; \$5,000,000 crops, reported for the zone (2012 dollars)	0, 0	NWS zone MIZ016 (EMMET), zone-level		B1-c worst recorded: Frost/Freeze
2012-03-02	Heavy Snow		\$200,000 property; \$0 crops, reported for the zone (2012 dollars)	0, 0	NWS zone MIZ016 (EMMET), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2011-05-11	Lightning		\$4,000 property; \$0 crops (2011 dollars)	0, 0	PETOSKEY		B1-c worst recorded: Lightning
2007-08-28	Drought		\$0 property; \$0 crops, reported for the zone (2007 dollars)	0, 0	NWS zone MIZ016 (EMMET), zone-level		B1-c worst recorded: Drought
2001-08-08	Thunderstorm Wind	50 kt (58 mph) estimated	damage not reported	0, 1	ALANSON		deaths or injuries recorded
2001-08-01	Heat		damage not reported	0, 0	NWS zone MIZ016 (EMMET), zone-level		B1-c worst recorded: Excessive Heat, Heat
1999-07-31	Thunderstorm Wind	65 kt (75 mph), measurement type not recorded	damage not reported	0, 0	HARBOR SPGS		B1-c worst recorded: Thunderstorm Wind
1998-06-24	Hail	2.5 in	\$100,000 property; crops not reported (1998 dollars)	0, 0	PETOSKEY		B1-c worst recorded: Hail
1957-07-04	Tornado	F1, 6.1 mi path length (whole path, pre-1996), 33 yd wide	\$25,000 property; crops not recorded (1957 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the Excel file, sheet "B1-d Storm Events history" (251 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
Coastal Flooding	0.0148	events per year at a location (modeled)	about 0.015 per year at a given location in the county		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
Cold Wave	1.95	event-days per year	about 1.95 days per year	Possible (from Storm Events: 2 of 30 years)	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	37.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	0	event-days per year	none modeled	Possible (from Storm Events: 1 of 30 years)	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	0	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI models no drought event-days here (2000 to 2025, 25.25 years; D3 and D4 only); Storm Events has a record in 1 of 30 years. The descriptor comes from Storm Events, which counts D2 drought that NRI leaves out.
Earthquake	0.000172	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0172%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.552	events per year	about 0.55 per year	Likely	FEMA annualized frequency (modeled)	23.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.686	event-days per year	about 0.686 days per year	Possible (from Storm Events: 2 of 30 years)	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	11	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	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	0.0345	event-days per year	about 0.0345 days per year	Likely (from Storm Events: 5 of 30 years)	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	2	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.179	event-days per year	about 0.179 days per year	Likely (from Storm Events: 3 of 30 years)	event-days in 3 of 30 years, 1996 to 2025 (10%)	5	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Landslide	0.223	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	22.4	days per year with a strike	about 22.4 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.537	events per year	about 0.54 per year	Likely	FEMA annualized frequency (modeled)	13	1986 to 2023 (38 years)	countywide	
Tornado	0.0747	events per year	about 1 in 13 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)			Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Wildfire	0.0000374	annual probability at a location	chance a given location in the county burns in a year: 0.00374%		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	29.6	event-days per year	about 29.6 days per year	Highly likely (from Storm Events: 28 of 30 years)	event-days in 28 of 30 years, 1996 to 2025 (93.3%)	562	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	5	30	0.167
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	34	30	1.13
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	1	30	0.0333
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	
Coastal Flooding	6 of 10	68.3	78.2	81.7	Relatively Low 4, Very Low 2, No Rating 4
Cold Wave	10 of 10	77.6	91.4	98.2	Very High 2, Relatively High 7, Relatively Moderate 1
Drought	0 of 10				No Rating 10
Earthquake	10 of 10	0.6	3.1	9.8	Very Low 10
Hail	10 of 10	40.8	58.6	75.5	Relatively Moderate 3, Relatively Low 7
Heat Wave	10 of 10	3.7	7.1	16.7	Very Low 10
Hurricane	10 of 10	19.9	25.1	31.1	Very Low 10
Ice Storm	10 of 10	2.1	11.0	32.4	Very Low 10
Inland Flooding	10 of 10	16.5	62.7	83.1	Relatively High 1, Relatively Moderate 5, Relatively Low 4
Landslide	10 of 10	74.0	87.9	96.5	Relatively Moderate 1, Relatively Low 8, Very Low 1
Lightning	10 of 10	34.4	56.3	79.0	Relatively High 2, Relatively Moderate 6, Relatively Low 2
Strong Wind	10 of 10	20.1	34.2	55.8	Relatively Moderate 1, Relatively Low 9
Tornado	10 of 10	30.7	42.3	58.0	Relatively Moderate 2, Relatively Low 8
Tsunami	0 of 10				Insufficient Data 10
Wildfire	10 of 10	43.7	58.0	73.1	Relatively Low 1, Very Low 9
Winter Weather	10 of 10	29.2	41.1	57.7	Relatively Moderate 3, Relatively Low 7

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>
Emmet County	County	Approved, expires 2030-06-24	FMA RL 0, SRL 0; any 0	\$561,073.78	0 total; 0 since its plan
Alanson village	Village	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$55,356.03	4 total; no approved plan
Harbor Springs city	City	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$645,990.48	3 total; no approved plan
Mackinaw City village	Village	Approved, expires 2028-07-18	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Pellston village	Village	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$133,207.20	5 total; no approved plan
Petoskey city	City	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$955,563.51	14 total; no approved plan
Bear Creek township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$59,979.18	0 total; no approved plan
Center township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
Cross Village township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
Friendship township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
Little Traverse township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$392,154.62	0 total; no approved plan
Littlefield township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$26,429.27	0 total; no approved plan
Maple River township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
McKinley township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
Pleasantview township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
Readmond township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
Resort township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$33,624.19	0 total; no approved plan

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>
Springvale township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan
West Traverse township	Township	Plan 110720 approved 2025-06-25, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan

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

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 2025-06-25 <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
Coastal Flooding	\$592,861,242	n/a	155	\$5,987	n/a	\$168	0.00101%				
Cold Wave	\$11,871,388,665	\$11,223,402	34,094	\$616	\$394,146	\$3,631,588	under 0.0001%		\$0		
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$20,037,009,875	n/a	34,112	\$4,956	n/a	\$1,070	under 0.0001%				
Hail	\$11,871,388,665	\$11,223,402	34,094	\$125,205	\$2,122	\$9,025	0.00105%				
Heat Wave	\$11,871,388,665	\$11,223,402	34,094	\$632	under \$1	\$67,680	under 0.0001%				
Hurricane	\$11,871,388,665	\$11,223,402	34,094	\$3,027	\$172	\$1	under 0.0001%				
Ice Storm	\$11,871,388,665	n/a	34,094	\$8,626	n/a	\$1,398	under 0.0001%			\$4,595,573.12	

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 2025-06-25 <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
Inland Flooding	\$11,853,854,877	\$412	95	\$7,723,942	\$1	\$69	n/a (see note)			\$7,292.63	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	\$398,671,966	n/a	1,126	\$1,251	n/a	\$10,104	0.000314%				
Lightning	\$11,871,388,665	n/a	34,094	\$6,438	n/a	\$158,185	under 0.0001%				
Strong Wind	\$11,871,388,665	\$11,223,402	34,094	\$46,500	\$1,222	\$56,912	0.000392%				
Tornado	\$11,871,388,665	\$11,223,402	34,094	\$227,798	\$49	\$253,119	0.00192%			\$7,292.63	
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$2,252,939,532	\$2,480,039	8,678	\$5,516	\$1	\$480	0.000245%				
Winter Weather	\$11,871,388,665	\$11,223,402	34,094	\$2,028	\$110	\$17,947	under 0.0001%			\$4,595,573.12	

Totals since 2025-06-25 (Storm Events through 2026-06-30): 0 county-coded records, 0 with a damage value recorded (including \$0), \$0; 10 zone-level records, 1 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: \$4,602,865.75 on 2 counted declarations.

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	34,094
Building value (total, not at risk)	\$11,871,388,665
Agriculture value (total, not at risk)	\$11,223,402
NRI risk rating (all hazards)	Very Low
Expected annual loss, buildings and agriculture, all hazards	\$8,560,343
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$4,207,745
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	0	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	0	0	0	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>
Emmet County	261550	0	0	0	0	0	0	0
Alanson village	261577	0	0	0	0	0	0	0
Harbor Springs city	260272	0	0	0	0	0	0	0
Mackinaw City village	260675	0	0	0	0	0	0	0
Pellston village	261576	0	0	0	0	0	0	0
Petoskey city	260072	0	0	0	0	0	0	0
Bear Creek township	261574	0	0	0	0	0	0	0
Center township	261569	0	0	0	0	0	0	0
Cross Village township	260745	0	0	0	0	0	0	0
Friendship township	261573	0	0	0	0	0	0	0
Little Traverse township	260748	0	0	0	0	0	0	0
Littlefield township	261565	0	0	0	0	0	0	0
Maple River township	261570	0	0	0	0	0	0	0
McKinley township	261568	0	0	0	0	0	0	0
Pleasantview township	261571	0	0	0	0	0	0	0
Readmond township	260755	0	0	0	0	0	0	0
Resort township	261575	0	0	0	0	0	0	0
Springvale township	261017	0	0	0	0	0	0	0
West Traverse township	260721	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: 0 in every occupancy group.

Sources: 1, 4

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 0 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)
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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, organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B. Each section heading names the item its tables support; the plan and FEMA's review decide whether the 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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Cite this: Hazard Plain (2026). Emmet County, MI: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 26047). Automated baseline. <https://hazardplain.org/mi/26047/> 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: contact@hazardplain.org

Hazard Plain release 2026-10. As of 2026-09-30; Storm Events data through 2026-06-30. Automated baseline.