

Chippewa County, MI

Risk-assessment baseline packet

County FIPS: 26033 **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: Expired on 2026-08-17. Plan: Chippewa County HMP (Update) (FEMA plan 107475), approved 2021-08-18.
Since the plan was approved on 2021-08-18: no new federal declaration.
NOAA Storm Events records since that date: 41 records (data through 2026-06-30).
Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$5,982,587 a year), Cold Wave (\$1,265,559) and Wildfire (\$242,414).
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; 26033 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:	Expired on 2026-08-17	Plan:	Chippewa County HMP (Update) (FEMA plan 107475)
Approved:	2021-08-18	Days since expiry:	44
Update underway:	none recorded in FEMA's plan tracker		

Until a new plan is approved, FEMA mitigation project grants (HMGP, FMA) need a FEMA exception (44 CFR 201.6(a)(3)).

What changed since your last plan (approved 2021-08-18)

New federal declarations:	none	Storm Events records since approval:	41 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 negative = days since expiry	Notes
Chippewa County	County	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
De Tour Village village	Village	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Sault Ste. Marie city	City	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Bay Mills township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Bruce township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	this jurisdiction approved 2021-08-30
Chippewa township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Dafter township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Detour township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Drummond township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Hulbert township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Kinross charter township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Pickford township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Raber township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	this jurisdiction approved 2021-08-30
Rudyard township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Soo township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Sugar Island township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Superior township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Trout Lake township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	
Whitefish township	Township	Expired on 2026-08-17	Chippewa County HMP (Update) (FEMA plan 107475)	2021-08-18	2026-08-17	-44	

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	\$5,976,400	\$1,643	\$4,544	\$5,982,587	7	
2	Cold Wave	Relatively Low	Relatively Moderate	\$611	\$5,904	\$1,259,045	\$1,265,559	5	
3	Wildfire	Relatively Low	Relatively Low	\$224,068	\$107	\$18,239	\$242,414	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
4	Lightning	Relatively Low	Relatively Low	\$8,107	n/a	\$118,890	\$126,997	1	
5	Strong Wind	Very Low	Very Low	\$17,901	\$1,264	\$29,806	\$48,971	34	Includes 1 High Wind record (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
6	Coastal Flooding	Relatively Low	Relatively Low	\$36,567	n/a	\$2,148	\$38,715	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
7	Winter Weather	Relatively Low	Relatively Low	\$9,229	\$145	\$27,714	\$37,088	28	
8	Tornado	Very Low	Very Low	\$21,538	\$15	\$12,505	\$34,058	1	
9	Hail	Very Low	Very Low	\$28,541	\$339	\$1,644	\$30,524	36	
10	Earthquake	Very Low	Very Low	\$10,050	n/a	\$2,676	\$12,725		Storm Events does not record earthquakes.
11	Heat Wave	Very Low	Very Low	\$95	under \$1	\$11,089	\$11,183	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Hurricane	Very Low	Very Low	\$3,566	\$244	\$2	\$3,812	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Ice Storm	Very Low	Very Low	\$2,871	n/a	\$576	\$3,447	3	
14	Landslide	Very Low	Very Low	\$196	n/a	\$1,068	\$1,264	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	0	Declared 1 time; no Storm Events record of this type.
	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 wildfire, landslide 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, 11.6); tract 9711 (Very Low, 9.1); tract 9703 (Very Low, 8.9)
Hurricane	tract 9708 (Very Low, 32.3); tract 9710 (Very Low, 30.9); tract 9701 (Very Low, 30.7)
Landslide	tract 9708 (Relatively Low, 90.0); tract 9707 (Relatively Low, 88.3); tract 9710 (Relatively Low, 83.7)
Tornado	tract 9710 (Very Low, 19.0); tract 9711 (Very Low, 18.0); tract 9708 (Very Low, 17.3)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 9708 (Relatively Moderate, 94.9); tract 9701 (Relatively Moderate, 91.3); tract 9706.01 (Relatively Moderate, 90.9)

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	5 records, 2026 (5 zone-level)	3 days; 3 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	0					Temperature: 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
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)	54 records, 1961 to 2025	0.75 in to 2.5 in (median 0.94 in); 54 with a recorded value	2.5 in hail, 1989-08-05		Event records naming jurisdictions in the plan: Sault Ste. Marie city (8 records), Rudyard township (3 records), Dafter township (2 records), Pickford township (2 records).	
Excessive Heat, Heat	heat index (in event narratives)	0					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)	3 records, 2022 to 2023 (3 zone-level)		No damage reported in 3 records.		Countywide (zone-level records).	Ice thickness: in event narratives only (local data needed).
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	7 records, 1999 to 2025		Flash Flood, 2013-09-10, \$125,000 property; \$0 crops (2013 dollars)		Event records naming jurisdictions in the plan: Rudyard township (2 records), Sault Ste. Marie city (2 records).	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, 2008		Lightning, 2008-05-13, \$2,800 property; \$0 crops (2008 dollars)		No event record names a jurisdiction in the plan.	Storm Events lists lightning with damage or casualties; 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
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	1 record, 2021 (1 zone-level)	50 kt (58 mph); 1 with a recorded value	50 kt (58 mph) measured gust, High Wind, 2021-12-16; NWS zone MIZ087		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	49 records, 1961 to 2023	50 kt (58 mph) to 70 kt (81 mph) (median 52 kt (60 mph)); 43 with a recorded value	70 kt (81 mph), measurement type not recorded, Thunderstorm Wind, 1979-08-07	Thunderstorm Wind, 2017-06-11, \$35,000 property; \$0 crops (2017 dollars)	Event records naming jurisdictions in the plan: Sault Ste. Marie city (4 records), Kinross charter township (2 records), Pickford township (2 records), Raber township (2 records), Rudyard township (2 records), Dafter township (1 record), Sugar Island township (1 record).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	7 records, 1972 to 2021	F/EF0 to F/EF1 (median F/EF0); 6 with a recorded value	F1 tornado, 1977-08-05, 170 yd wide, \$25,000 property; crops not recorded (1977 dollars)	Tornado, 1978-08-16, \$250,000 property; crops not recorded (1978 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).
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)	28 records, 2019 to 2026 (28 zone-level)		Winter Storm, 2019-12-29, \$70,000 property; \$0 crops (2019 dollars); NWS zone MIZ087		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>	Notes
2020-03-27	2020-01-20	DR-4494-MI	Major disaster	COVID-19 Pandemic	Non-natural, not counted	no Public Assistance recorded	
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	
1994-05-10	1994-01-10	DR-1028-MI	Major disaster	Severe Deep Freeze	Cold Wave	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	
1977-02-05	1977-02-05	EM-3030-MI	Emergency	Snowstorms	Winter Weather	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.

Public Assistance filed under this county for declarations that do not list it: 1 row, \$766,562.64

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4880-MI	2025-07-22	Severe Winter Storm	Cloverland Electric Cooperative	\$766,562.64

FEMA's Public Assistance summaries file these applicants under this county, but FEMA's declaration rows for these disasters do not designate it (an electric cooperative or district serving several counties, for example). Not in any declaration row above and not counted.

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	5	5	0	5	1	0	1996 to 2026-06-30	
Drought	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	54	8	2	8	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	3	3	0	3	0	0	1996 to 2026-06-30	
Inland Flooding	7	1	0	1	0	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	50	3	4	3	0	0	1955 to 2026-06-30	Includes 1 High Wind record.
Tornado	7	0	1	0	0	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
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	28	21	2	21	2	0	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 MIZ087 (CENTRAL CHIPPEWA COUNTY), 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	50 kt (58 mph) measured gust	\$10,000 property; \$0 crops, reported for the zone (2021 dollars)	0, 0	NWS zone MIZ087 (CENTRAL CHIPPEWA COUNTY), zone-level	new since last plan; within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2021-08-11	Thunderstorm Wind	50 kt (58 mph) estimated gust	\$20,000 property; \$0 crops (2021 dollars)	0, 1	COTTAGE PARK	in the 12 months before plan approval	deaths or injuries recorded
2020-04-30	Flood		\$20,000 property; \$0 crops (2020 dollars)	0, 0	KELDEN		large reported damage
2019-12-29	Winter Storm		\$70,000 property; \$0 crops, reported for the zone (2019 dollars)	0, 0	NWS zone MIZ087 (CENTRAL CHIPPEWA COUNTY), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2017-06-11	Thunderstorm Wind	57 kt (66 mph) estimated gust	\$35,000 property; \$0 crops (2017 dollars)	0, 0	MUNNSCONG to RABER		B1-c most damaging: Thunderstorm Wind
2013-09-10	Flash Flood		\$125,000 property; \$0 crops (2013 dollars)	0, 0	SAULT STE MARIE to HARMONY BEACH		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2008-05-13	Lightning		\$2,800 property; \$0 crops (2008 dollars)	0, 0	PARADISE		B1-c worst recorded: Lightning
1989-08-05	Hail	2.5 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail
1979-08-07	Thunderstorm Wind	70 kt (81 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1978-08-16	Tornado	no rating recorded, 0.5 mi path length (whole path, pre-1996), 27 yd wide	\$250,000 property; crops not recorded (1978 dollars)	0, 0	location not recorded		B1-c most damaging: Tornado
1977-08-05	Tornado	F1, 170 yd wide	\$25,000 property; crops not recorded (1977 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" (155 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	0.0182	events per year at a location (modeled)	about 0.018 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	1.97	event-days per year	about 1.97 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	35.2	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		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	0.000164	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0164%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.178	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	7.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.105	event-days per year	about 0.105 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	2	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
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	0.0169	event-days per year	about 0.0169 days per year	Possible (from Storm Events: 2 of 30 years)	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	1	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.214	event-days per year	about 0.214 days per year	Likely (from Storm Events: 7 of 30 years)	event-days in 7 of 30 years, 1996 to 2025 (23.3%)	6	1996 to 2023 (28 years)	see B1-f	
Landslide	0.23	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	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
Lightning	21.1	days per year with a strike	about 21.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.192	events per year	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	6	1986 to 2023 (38 years)	countywide	
Tornado	0.0635	events per year	about 1 in 16 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	0.00185	annual probability at a location	chance a given location in the county burns in a year: 0.185%		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	32.4	event-days per year	about 32.4 days per year	Likely (from Storm Events: 7 of 30 years)	event-days in 7 of 30 years, 1996 to 2025 (23.3%)	563	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	16	30	0.533
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	33	30	1.1
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	0	30	0
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	9 of 15	72.2	82.6	88.6	Relatively Low 7, Very Low 2, No Rating 6
Cold Wave	14 of 15	15.4	69.3	80.5	Relatively High 2, Relatively Moderate 10, Relatively Low 1, Very Low 1, No Rating 1
Drought	0 of 15				No Rating 15
Earthquake	14 of 15	0.2	6.3	11.6	Very Low 14, No Rating 1
Hail	14 of 15	0.3	28.4	49.6	Relatively Low 4, Very Low 10, No Rating 1
Heat Wave	14 of 15	1.3	2.3	2.8	Very Low 14, No Rating 1
Hurricane	14 of 15	9.3	25.2	32.3	Very Low 14, No Rating 1
Ice Storm	14 of 15	0.0	3.3	7.4	Very Low 14, No Rating 1
Inland Flooding	14 of 15	0.1	25.7	84.8	Relatively High 2, Relatively Moderate 4, Relatively Low 2, Very Low 6, No Rating 1
Landslide	12 of 15	24.1	77.7	90.0	Relatively Low 5, Very Low 7, No Rating 3
Lightning	14 of 15	0.1	47.5	64.3	Relatively Moderate 6, Relatively Low 7, Very Low 1, No Rating 1
Strong Wind	14 of 15	0.2	18.6	38.1	Relatively Low 6, Very Low 8, No Rating 1
Tornado	14 of 15	0.2	3.7	19.0	Very Low 14, No Rating 1
Tsunami	0 of 15				Insufficient Data 15
Wildfire	12 of 15	21.7	86.5	94.9	Relatively Moderate 4, Relatively Low 4, Very Low 4, No Rating 3
Winter Weather	14 of 15	10.6	52.1	68.4	Relatively Moderate 10, Relatively Low 3, Very Low 1, No Rating 1

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	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>
Chippewa County	County	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
De Tour Village village	Village	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Sault Ste. Marie city	City	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	14 total; 0 since its 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>
Bay Mills township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Bruce township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Chippewa township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Dafter township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; 1 since its plan
Detour township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Drummond township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Hulbert township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Kinross charter township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 0 since its plan
Pickford township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	4 total; 0 since its plan
Raber township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 0 since its plan
Rudyard township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	7 total; 0 since its plan
Soo township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Sugar Island township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	1 total; 0 since its plan
Superior township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Trout Lake township	Township	Expired on 2026-08-17	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Whitefish township	Township	Expired on 2026-08-17	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).

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 2021-08-18 <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	\$1,364,207,931	n/a	1,754	\$36,567	n/a	\$2,148	0.00268%				
Cold Wave	\$11,616,922,251	\$13,726,989	36,764	\$611	\$5,904	\$1,259,045	under 0.0001%		\$0		
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$19,265,494,690	n/a	36,785	\$10,050	n/a	\$2,676	under 0.0001%				
Hail	\$11,616,923,183	\$13,726,989	36,764	\$28,541	\$339	\$1,644	0.000246%	\$0			
Heat Wave	\$11,616,922,251	\$13,726,989	36,764	\$95	under \$1	\$11,089	under 0.0001%				
Hurricane	\$11,616,923,183	\$13,726,989	36,764	\$3,566	\$244	\$2	under 0.0001%				
Ice Storm	\$11,483,688,563	n/a	36,560	\$2,871	n/a	\$576	under 0.0001%		\$0		
Inland Flooding	\$11,562,280,215	\$606,834	1,753	\$5,976,400	\$1,643	\$4,544	n/a (see note)	\$5,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$70,847,605	n/a	179	\$196	n/a	\$1,068	0.000276%				
Lightning	\$11,616,923,183	n/a	36,764	\$8,107	n/a	\$118,890	under 0.0001%				
Strong Wind	\$11,616,923,183	\$13,726,989	36,764	\$17,901	\$1,264	\$29,806	0.000154%	\$2,000	\$10,000		Storm Events damage since the plan includes 1 zone-level High Wind record (\$10,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$11,616,923,183	\$13,726,989	36,764	\$21,538	\$15	\$12,505	0.000185%				

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 2021-08-18 <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
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$2,431,284,162	\$7,357,969	9,077	\$224,068	\$107	\$18,239	0.00922%				
Winter Weather	\$11,616,922,251	\$13,726,989	36,764	\$9,229	\$145	\$27,714	under 0.0001%		\$0		

Totals since 2021-08-18 (Storm Events through 2026-06-30): 11 county-coded records, 8 with a damage value recorded (including \$0), \$7,000; 30 zone-level records, 19 with a damage value recorded (including \$0), \$10,000 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	36,764
Building value (total, not at risk)	\$11,616,923,183
Agriculture value (total, not at risk)	\$13,726,989
NRI risk rating (all hazards)	Very Low
Expected annual loss, buildings and agriculture, all hazards	\$6,349,399
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)	\$1,489,945
Social vulnerability rating	Relatively Moderate
Community resilience rating	Relatively 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>
Chippewa County	261807	0	0	0	0	0	0	0
De Tour Village village	261358	0	0	0	0	0	0	0
Sault Ste. Marie city	260059	0	0	0	0	0	0	0
Bay Mills township	260374	0	0	0	0	0	0	0
Bruce township	260375	0	0	0	0	0	0	0
Chippewa township	261397	0	0	0	0	0	0	0
Dafter township	261359	0	0	0	0	0	0	0
Detour township	260775	0	0	0	0	0	0	0
Drummond township	260803	0	0	0	0	0	0	0
Hulbert township	261360	0	0	0	0	0	0	0
Kinross charter township	261361	0	0	0	0	0	0	0
Pickford township	260376	0	0	0	0	0	0	0
Raber township	260786	0	0	0	0	0	0	0
Rudyard township	260377	0	0	0	0	0	0	0
Soo township	260378	0	0	0	0	0	0	0

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>
Sugar Island township	260379	0	0	0	0	0	0	0
Superior township	260380	0	0	0	0	0	0	0
Trout Lake township	261362	0	0	0	0	0	0	0
Whitefish township	260321	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)
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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)
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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_Gaz_counties_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_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)

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). Chippewa County, MI: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 26033). Automated baseline. <https://hazardplain.org/mi/26033/> 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.