

Itasca County, MN

Risk-assessment baseline packet

County FIPS: 27061 **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 2027-05-12. Plan: Itasca County (FEMA plan 108248), approved 2022-05-13.

Since the plan was approved on 2022-05-13: 2 new hazard declarations (2 incidents) and 186 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$14,102,127 a year), Cold Wave (\$13,009,951) and Strong Wind (\$1,578,652).

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; 27061 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 2027-05-12	Plan:	Itasca County (FEMA plan 108248)
Approved:	2022-05-13	Days to expiry:	224
Update underway:	none recorded in FEMA's plan tracker		

What changed since your last plan (approved 2022-05-13)

New federal declarations:	2 new hazard declarations (2 incidents): DR-4666-MN (Severe Storms, Straight-Line Winds, Tornadoes, and Flooding), DR-4797-MN (Severe Storms and Flooding)	Storm Events records since approval:	186 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: 17 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
Itasca County	County	Approved, expires 2027-05-12	Itasca County (FEMA plan 108248)	2022-05-13	2027-05-12	224		
Bigfork city	City	Approved, expires 2027-05-12	Itasca County (FEMA plan 108248)	2022-05-13	2027-05-12	224		
Bovey city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Calumet city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cohasset city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Coleraine city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Deer River city	City	Approved, expires 2027-05-12	Itasca County (FEMA plan 108248)	2022-05-13	2027-05-12	224		this jurisdiction approved 2022-06-22
Effie city	City	Approved, expires 2027-05-12	Itasca County (FEMA plan 108248)	2022-05-13	2027-05-12	224		this jurisdiction approved 2022-06-17
Grand Rapids city	City	Approved, expires 2027-05-12	Itasca County (FEMA plan 108248)	2022-05-13	2027-05-12	224		this jurisdiction approved 2022-11-14
Keewatin city	City	Approved, expires 2027-05-12	Itasca County (FEMA plan 108248)	2022-05-13	2027-05-12	224		
La Prairie city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Marble city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 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	Update underway	Notes
						<i>negative = days since expiry</i>		
Nashwauk city	City	Approved, expires 2027-05-12	Itasca County (FEMA plan 108248)	2022-05-13	2027-05-12	224		
Squaw Lake city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Taconite city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Warba city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Zemple city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	Itasca County (FEMA plan 108248), pending adoption here	2022-05-13 by FEMA; not yet adopted here	2027-05-12 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>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Low	\$14,100,907	\$598	\$621	\$14,102,127	27		
2	Cold Wave	Relatively High	Relatively High	\$3,224	\$14	\$13,006,712	\$13,009,951	58		
3	Strong Wind	Relatively High	Relatively Moderate	\$11,705	\$1,233	\$1,565,714	\$1,578,652	257		Includes 1 High Wind and 3 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
4	Heat Wave	Relatively Moderate	Relatively Low	\$843	under \$1	\$1,282,613	\$1,283,456	1		
5	Lightning	Relatively Moderate	Relatively Moderate	\$14,150	n/a	\$538,214	\$552,364	5		
6	Tornado	Relatively Low	Relatively Low	\$297,219	\$193	\$87,000	\$384,412	5		
7	Hail	Relatively Low	Relatively Low	\$241,927	\$4,367	\$19,218	\$265,513	245		
8	Winter Weather	Relatively Low	Relatively Moderate	\$24,480	\$63	\$53,972	\$78,515	100		Includes 1 Sleet record (outside NRI's Winter Weather definition).
9	Drought	Relatively Low	Relatively Low	n/a	\$55,196	n/a	\$55,196	49		
10	Wildfire	Very Low	Very Low	\$25,838	\$6	\$3,310	\$29,154	1		
11	Ice Storm	Very Low	Very Low	\$11,101	n/a	\$2,520	\$13,621	6		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	Cost of expected deaths and injuries FEMA's dollar value per year, not property damage	EAL total (see note) modeled dollars per year	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
12	Landslide	Relatively Low	Relatively Low	\$2,583	n/a	\$10,768	\$13,350	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Earthquake	Very Low	Very Low	\$2,021	n/a	\$449	\$2,470			Storm Events does not record earthquakes.
	Hurricane	Not Applicable	Not Applicable					0	NRI rates hurricane Not Applicable for this county, and no counted federal declaration for this county names it (EM-3242-MN names it but is not counted as a local occurrence; see B1-d).	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 records (Storm Events records this hazard only in part).

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

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

Supports FEMA checklist item B1-b: hazard location

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

Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 4809.02 (Very Low, 3.5); tract 4808.05 (Very Low, 2.7); tract 4808.03 (Very Low, 2.2)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 4804.01 (Relatively Moderate, 96.4); tract 4801.02 (Relatively Low, 94.6); tract 4807.02 (Relatively Low, 93.6)
Tornado	tract 4809.02 (Relatively Low, 47.2); tract 4807.02 (Relatively Low, 42.3); tract 4808.05 (Relatively Low, 41.3)
Wildfire	tract 4806 (Relatively Low, 78.1); tract 4809.02 (Relatively Low, 78.1); tract 4807.02 (Relatively Low, 76.4)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 4809.02 is Census Tract 4809.02). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	58 records, 1997 to 2026 (58 zone-level)	1 day to 5 days (median 2 days); 41 with a recorded value	5 consecutive days, 2014-01-04 to 2014-01-08, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	49 records, 2006 to 2026 (49 zone-level)	21 days to 297 days (median 167 days); 9 with a recorded value	297 days (about 9.8 months), 2023-07-18 to 2024-05-09, a run of 11 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)	273 records, 1970 to 2026	0.75 in to 3 in (median 1 in); 273 with a recorded value	3 in hail, 2025-06-20; same size also recorded on 1988-08-11	Hail, 2023-07-19, \$5,000 property; \$0 crops (2023 dollars)	Event records naming jurisdictions in the plan: Grand Rapids city (18 records), Cohasset city (12 records), Bovey city (10 records), Nashwauk city (9 records), Squaw Lake city (9 records), Bigfork city (8 records), Coleraine city (8 records), Warba city (7 records), Deer River city (6 records), Taconite city (6 records); and 6 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	1 record, 2016 (1 zone-level)	1 day; 1 with a recorded value	1 consecutive day, 2016-07-20, zone-level		Countywide (zone-level records).	
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 2013 (6 zone-level)		No damage reported in 6 records.		Countywide (zone-level records).	

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)	27 records, 1999 to 2025		Flash Flood, 2022-08-16, \$10,000 property; \$0 crops (2022 dollars)		Event records naming jurisdictions in the plan: Grand Rapids city (6 records), Nashwauk city (3 records), La Prairie city (2 records), Taconite city (2 records), Bovey city (1 record), Calumet city (1 record), Deer River city (1 record), Keewatin city (1 record), Marble city (1 record).	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					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	5 records, 1996 to 2007		Lightning, 2007-06-08, \$0 property; \$0 crops (2007 dollars), 1 direct death		Event records naming jurisdictions in the plan: Deer River city (1 record), Grand Rapids city (1 record), Keewatin city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	4 records, 1997 to 2010 (4 zone-level)	24 kt (28 mph) to 61 kt (70 mph) (median 38 kt (44 mph)); 4 with a recorded value	61 kt (70 mph), measurement type not recorded, High Wind, 1997-09-01; NWS zone MNZ018	Strong Wind, 2010-05-22, \$1,000 property; crops not reported (zone total, 2010 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	299 records, 1959 to 2026	50 kt (58 mph) to 74 kt (85 mph) (median 52 kt (60 mph)); 256 with a recorded value	74 kt (85 mph) estimated gust, Thunderstorm Wind, 2012-07-02	Thunderstorm Wind, 2012-07-02, \$200,000 property; \$0 crops (2012 dollars)	Event records naming jurisdictions in the plan: Grand Rapids city (35 records), Deer River city (17 records), Cohasset city (11 records), Squaw Lake city (10 records), Taconite city (9 records), Bigfork city (7 records), Bovey city (7 records), Keewatin city (7 records), Warba city (6 records), Calumet city (4 records); and 5 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	11 records, 1975 to 2022	F/EF0 to F/EF2 (median F/EF1); 11 with a recorded value	F2 tornado, 1977-06-07, 0.5 mi path length (whole path, pre-1996), 20 yd wide, \$25,000 property; crops not recorded (1977 dollars)	Tornado, 1978-07-19, \$25,000 property; crops not recorded (1978 dollars)	Event records naming jurisdictions in the plan: Cohasset city (1 record), Deer River city (1 record), Squaw Lake city (1 record), Warba city (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).

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)	1 record, 2018 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	100 records, 1996 to 2026 (100 zone-level)		No damage reported in 100 records.		Countywide (zone-level records).	

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 15 declarations covering 12 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
2024-06-28	2024-06-16	DR-4797-MN	Major disaster	Severe Storms and Flooding	Inland Flooding	\$2,112,607.81	new since last plan; within last 5 years	
2022-08-09	2022-05-29	DR-4666-MN	Major disaster	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	\$203,255.85	new since last plan; within last 5 years	
2020-04-07	2020-01-20	DR-4531-MN	Major disaster	COVID-19 Pandemic	Non-natural, not counted	no Public Assistance recorded		
2020-03-13	2020-01-20	EM-3453-MN	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4531
2018-09-05	2018-06-15	DR-4390-MN	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	Inland Flooding (primary); also designated: Strong Wind, Tornado	\$499,605.03		
2012-07-06	2012-06-14	DR-4069-MN	Major disaster	Severe Storms and Flooding	Inland Flooding	\$278,096.46		
2005-09-13	2005-08-29	EM-3242-MN	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2002-06-14	2002-06-09	DR-1419-MN	Major disaster	Severe Storms, Flooding and Tornadoes	Inland Flooding; Tornado	\$358,879.92		
1999-07-28	1999-07-04	DR-1283-MN	Major disaster	Severe Storms, Winds, and Flooding	Inland Flooding	\$1,058,507.85		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1995-08-18	1995-07-09	DR-1064-MN	Major disaster	Severe Thunderstorms, Winds, Flooding, Tornadoes, and Heat	Inland Flooding; Tornado	no Public Assistance recorded		
1979-04-30	1979-04-30	DR-582-MN	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1976-06-17	1976-06-17	EM-3013-MN	Emergency	Drought	Drought	no Public Assistance recorded		
1975-07-17	1975-07-17	DR-476-MN	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded		
1972-08-25	1972-08-25	DR-350-MN	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1966-03-22	1966-03-22	DR-215-MN	Major disaster	Flooding	Inland Flooding	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
1957-06-22	1957-06-22	DR-80-MN	Major disaster	Floods	Inland Flooding

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.

7 Fire Management declarations (1976-09-08 to 1976-10-01) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance filed under this county for declarations that do not list it: 1 row, \$965,677.13

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated
federal share obligated, nominal dollars				
DR-4659-MN	2022-07-13	Severe Storms, Straight-Line Winds, and Flooding	Minnesota Department of Natural Resources / Region 2	\$965,677.13

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.

Public Assistance not placed in any Minnesota county: 14 rows, \$9,133,931.59; listed on the Minnesota state page.

Source: 3

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	58	10	6	16	0	0	1996 to 2026-06-30	
Drought	49	18	10	24	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	273	74	15	81	0	0	1955 to 2026-06-30	
Heat Wave	1	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	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	27	8	0	8	11	2	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	5	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	303	56	15	57	2	1	1955 to 2026-06-30	Includes 1 High Wind and 3 Strong Wind records.
Tornado	11	2	0	2	5	1	1950 to 2026-06-30	
Wildfire	1	0	0	0	0	0	1996 to 2026-06-30	
Winter Weather	100	18	7	25	0	0	1996 to 2026-06-30	Includes 1 Sleet record.

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2025-06-20	Hail	3 in	\$0 property; \$0 crops (2025 dollars)	0, 0	BLACKBERRY	new since last plan; within last 5 years	B1-c worst recorded: Hail
2023-07-18	Drought		\$0 property; \$0 crops (zone total, 2023 dollars)	0, 0	NWS zone MNZ018 (NORTHERN ITASCA), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Drought
2022-08-16	Flash Flood		\$10,000 property; \$0 crops (2022 dollars)	0, 0	GRAND RAPIDS to GRAND RAPIDS ARPT	new since last plan; within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2016-07-20	Heat		damage not reported	0, 0	NWS zone MNZ026 (SOUTHERN ITASCA), zone-level		B1-c worst recorded: Excessive Heat, Heat
2014-01-04	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone MNZ018 (NORTHERN ITASCA), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2012-07-02	Thunderstorm Wind	74 kt (85 mph) estimated gust	\$0 property; \$0 crops (2012 dollars)	0, 0	GRAND RAPIDS to WARBA		B1-c worst recorded: Thunderstorm Wind
2012-07-02	Thunderstorm Wind	50 kt (58 mph) estimated gust	\$0 property; \$0 crops (2012 dollars)	1, 0	PENGILLY		deaths or injuries recorded
2011-01-03	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2011 dollars)	1, 0	NWS zone MNZ026 (SOUTHERN ITASCA), zone-level		deaths or injuries recorded
2009-06-28	Strong Wind	37 kt (43 mph) measured gust	\$0 property; \$0 crops (zone total, 2009 dollars)	2, 0	NWS zone MNZ026 (SOUTHERN ITASCA), zone-level		deaths or injuries recorded
2007-06-08	Lightning		\$0 property; \$0 crops (2007 dollars)	1, 0	BOWSTRING		B1-c worst recorded: Lightning
1997-09-01	High Wind	61 kt (70 mph), measurement type not recorded	damage not reported	0, 0	NWS zone MNZ018 (NORTHERN ITASCA), zone-level		B1-c worst recorded: High Wind and Strong Wind
1977-06-07	Tornado	F2, 0.5 mi path length (whole path, pre-1996), 20 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" (834 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	17.4	event-days per year	about 17.4 days per year	Likely	Storm Events event-days in 21 of 30 years, 1996 to 2025 (70%)	330	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	12.4	event-days per year	about 12.4 days per year	Likely	Storm Events event-days in 11 of 30 years, 1996 to 2025 (36.7%)	434	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000073	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0073%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	1.46	events per year	about 1.46 per year	Highly likely	FEMA annualized frequency (modeled)	55.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	0.83	event-days per year	about 0.83 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	15.6	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.0612	event-days per year	about 0.0612 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	4	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.393	event-days per year	about 0.393 days per year	Likely	Storm Events event-days in 12 of 30 years, 1996 to 2025 (40%)	11	1996 to 2023 (28 years)	see B1-f	
Landslide	0.723	events per year (modeled)	about 0.72 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	28.4	days per year with a strike	about 28.4 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1	event per year	about 1 per year	Highly likely	FEMA annualized frequency (modeled)	39	1986 to 2023 (38 years)	countywide	
Tornado	0.371	events per year	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	

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
Wildfire	0.000171	annual probability at a location	chance a given location in the county burns in a year: 0.0171%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	
Winter Weather	18.3	event-days per year	about 18.3 days per year	Highly likely	Storm Events event- days in 28 of 30 years, 1996 to 2025 (93.3%)	349	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	123	30	4.1
Hail	2.00 in+	1996 to 2025	11	30	0.367
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	238	30	7.93
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	9	30	0.3
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	5	30	0.167
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	21 of 21	84.0	97.2	99.7	Very High 12, Relatively High 9
Drought	18 of 21	68.0	80.3	89.1	Relatively Low 10, Very Low 8, No Rating 3
Earthquake	21 of 21	0.3	0.7	3.5	Very Low 21
Hail	21 of 21	41.4	61.7	79.3	Relatively Moderate 4, Relatively Low 17
Heat Wave	21 of 21	30.7	67.3	90.5	Relatively High 1, Relatively Moderate 12, Relatively Low 8
Hurricane	0 of 21				Not Applicable 21
Ice Storm	21 of 21	1.2	2.3	36.8	Relatively Low 1, Very Low 20
Inland Flooding	21 of 21	7.2	58.3	93.4	Relatively High 6, Relatively Moderate 5, Relatively Low 8, Very Low 2
Landslide	21 of 21	34.8	88.4	96.4	Relatively Moderate 1, Relatively Low 15, Very Low 5
Lightning	21 of 21	42.6	77.6	97.0	Very High 1, Relatively High 9, Relatively Moderate 10, Relatively Low 1
Strong Wind	21 of 21	60.7	88.6	97.7	Very High 1, Relatively High 12, Relatively Moderate 8

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	21 of 21	15.1	30.2	47.2	Relatively Low 11, Very Low 10
Wildfire	21 of 21	23.2	67.3	78.1	Relatively Low 9, Very Low 12
Winter Weather	21 of 21	36.3	58.5	84.6	Relatively High 1, Relatively Moderate 15, Relatively Low 5

Drought: Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

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, drought, 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 (crop and livestock value where a line above names agriculture).

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>
Itasca County	County	Approved, expires 2027-05-12	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan
Bigfork city	City	Approved, expires 2027-05-12	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	15 total; 1 since its plan
Bovey city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$971.64	18 total; no approved plan
Calumet city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$6,403.19	9 total; no approved plan
Cohasset city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	24 total; no approved plan
Coleraine city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$10,498.29	11 total; no approved plan
Deer River city	City	Approved, expires 2027-05-12	FMA RL 0, SRL 0; any 0	\$17,924.82	26 total; 1 since its plan
Effie city	City	Approved, expires 2027-05-12	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	5 total; 0 since its plan
Grand Rapids city	City	Approved, expires 2027-05-12	FMA RL 0, SRL 0; any 0	\$77,562.85	60 total; 6 since its plan
Keewatin city	City	Approved, expires 2027-05-12	FMA RL 0, SRL 0; any 0	\$13,560.69	11 total; 1 since its plan
La Prairie city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$1,574.02	7 total; no approved plan
Marble city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$14,525.30	6 total; no approved plan
Nashwauk city	City	Approved, expires 2027-05-12	FMA RL 0, SRL 0; any 0	\$128,413.09	16 total; 6 since its plan
Squaw Lake city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	20 total; no approved plan
Taconite city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	17 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>
Warba city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	14 total; no approved plan
Zemple city	City	Plan 108248 approved 2022-05-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	4 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 2022-05-13 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property, plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Cold Wave	\$12,477,348,540	\$10,312,555	45,006	\$3,224	\$14	\$13,006,712	under 0.0001%		\$0		
Drought	n/a	\$5,939,399	n/a	n/a	\$55,196	n/a	0.929% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$22,005,084,569	n/a	45,014	\$2,021	n/a	\$449	under 0.0001%				
Hail	\$12,477,348,540	\$10,312,555	45,006	\$241,927	\$4,367	\$19,218	0.00194%	\$5,000			
Heat Wave	\$12,477,348,540	\$10,312,555	45,006	\$843	under \$1	\$1,282,613	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$12,477,348,540	n/a	45,006	\$11,101	n/a	\$2,520	under 0.0001%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	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 2022-05-13 <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	\$12,435,366,569	\$107,093	392	\$14,100,907	\$598	\$621	n/a (see note)	\$10,000		\$2,315,863.66	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	\$226,552,625	n/a	776	\$2,583	n/a	\$10,768	0.00114%				
Lightning	\$12,477,348,540	n/a	45,006	\$14,150	n/a	\$538,214	0.000113%				
Strong Wind	\$12,477,348,540	\$10,312,555	45,006	\$11,705	\$1,233	\$1,565,714	under 0.0001%	\$20,000		\$203,255.85	
Tornado	\$12,477,348,540	\$10,312,555	45,006	\$297,219	\$193	\$87,000	0.00238%	\$0		\$203,255.85	
Wildfire	\$2,092,738,652	\$4,651,437	12,017	\$25,838	\$6	\$3,310	0.00123%				
Winter Weather	\$12,477,348,540	\$10,312,555	45,006	\$24,480	\$63	\$53,972	0.000196%		\$0		

Totals since 2022-05-13 (Storm Events through 2026-06-30): 140 county-coded records, 140 with a damage value recorded (including \$0), \$35,000; 46 zone-level records, 46 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: \$2,315,863.66 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	45,006
Building value (total, not at risk)	\$12,477,348,540
Agriculture value (total, not at risk)	\$10,312,555
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$14,797,669
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)	\$16,571,112
Social vulnerability rating	Relatively High
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 total and NFIP communities

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

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>
Itasca County	270200	0	0	0	0	0	0	0
Bigfork city	270201	0	0	0	0	0	0	0
Bovey city	270972	0	0	0	0	0	0	0
Calumet city	270973	0	0	0	0	0	0	0
Cohasset city	270202	0	0	0	0	0	0	0
Coleraine city	275301	0	0	0	0	0	0	0
Deer River city	270203	0	0	0	0	0	0	0
Effie city	270974	0	0	0	0	0	0	0
Grand Rapids city	270204	0	0	0	0	0	0	0
Keewatin city	270205	0	0	0	0	0	0	0
La Prairie city	270206	0	0	0	0	0	0	0
Marble city	270207	0	0	0	0	0	0	0
Nashwauk city	270975	0	0	0	0	0	0	0
Squaw Lake city	270208	0	0	0	0	0	0	0
Taconite city	270209	0	0	0	0	0	0	0
Warba city	270210	0	0	0	0	0	0	0
Zemple city	270211	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):

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 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)
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What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

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Cite this: Hazard Plain (2026). Itasca County, MN: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 27061). Automated baseline. <https://hazardplain.org/mn/27061/> 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