

Clare County, MI

Risk-assessment baseline packet

County FIPS: 26035 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 2028-05-31. Plan: Clare County HMP Update (FEMA plan 108944), approved 2023-06-01.

Since the plan was approved on 2023-06-01: no new federal declaration.

NOAA Storm Events records since that date: 8 records (data through 2026-06-30).

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$4,232,996 a year), Strong Wind (\$1,906,249) and Cold Wave (\$1,331,409).

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; 26035 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 2028-05-31	Plan:	Clare County HMP Update (FEMA plan 108944)
Approved:	2023-06-01	Days to expiry:	609
What changed since your last plan (approved 2023-06-01)			
New federal declarations:	none	Storm Events records since approval:	8 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: 20 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
Clare County	County	Approved, expires 2028-05-31	Clare County HMP Update (FEMA plan 108944)	2023-06-01	2028-05-31	609		
Clare city	City	Approved, expires 2028-05-31	Clare County HMP Update (FEMA plan 108944)	2023-06-01	2028-05-31	609		Also approved under plan 108796 (Isabella County HMP, expires 2028-01-25). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. this jurisdiction approved 2023-06-09
Farwell village	Village	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Harrison city	City	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Arthur township	Township	Approved, expires 2028-05-31	Clare County HMP Update (FEMA plan 108944)	2023-06-01	2028-05-31	609		this jurisdiction approved 2024-05-02
Franklin township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Freeman township	Township	Approved, expires 2028-05-31	Clare County HMP Update (FEMA plan 108944)	2023-06-01	2028-05-31	609		this jurisdiction approved 2023-07-05
Frost township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 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>		
Garfield township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Grant township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Greenwood township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Hamilton township	Township	Approved, expires 2028-05-31	Clare County HMP Update (FEMA plan 108944)	2023-06-01	2028-05-31	609		this jurisdiction approved 2023-07-19
Hatton township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Hayes township	Township	Approved, expires 2028-05-31	Clare County HMP Update (FEMA plan 108944)	2023-06-01	2028-05-31	609		this jurisdiction approved 2023-07-05
Lincoln township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Redding township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Sheridan township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Summerfield township	Township	Approved, expires 2028-05-31	Clare County HMP Update (FEMA plan 108944)	2023-06-01	2028-05-31	609		this jurisdiction approved 2023-06-09

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Surrey township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Winterfield township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	Clare County HMP Update (FEMA plan 108944), pending adoption here	2023-06-01 by FEMA; not yet adopted here	2028-05-31 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	EAL agriculture	Cost of expected deaths and injuries	EAL total (see note)	Storm Events records, 1996 to 2026-06-30	Storm Events coverage note
				<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>FEMA's dollar value per year, not property damage</i>	<i>modeled dollars per year</i>	<i>count</i>	
1	Inland Flooding	Relatively Low	Relatively Low	\$4,232,100	\$170	\$725	\$4,232,996	8	
2	Strong Wind	Relatively High	Relatively High	\$848,625	\$5,653	\$1,051,971	\$1,906,249	58	Includes 7 High Wind and 1 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
3	Cold Wave	Relatively Moderate	Relatively Moderate	\$204	\$20,484	\$1,310,721	\$1,331,409	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
4	Tornado	Relatively Low	Relatively Low	\$569,308	\$504	\$459,318	\$1,029,131	5	
5	Winter Weather	Relatively High	Relatively High	\$5,608	\$161	\$287,238	\$293,007	60	Includes 1 Sleet record (outside NRI's Winter Weather definition).

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
6	Lightning	Relatively Moderate	Relatively Low	\$2,650	n/a	\$289,035	\$291,685	1	
7	Hail	Relatively Low	Relatively Low	\$231,684	\$9,074	\$11,982	\$252,739	32	
8	Heat Wave	Very Low	Very Low	\$936	under \$1	\$65,459	\$66,395	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
9	Ice Storm	Relatively Low	Relatively Low	\$26,298	n/a	\$11,057	\$37,355	4	
10	Earthquake	Very Low	Very Low	\$18,686	n/a	\$6,379	\$25,065		Storm Events does not record earthquakes.
11	Wildfire	Very Low	Very Low	\$17,514	\$6	\$1,807	\$19,327	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Hurricane	Very Low	Very Low	\$3,923	\$380	\$3	\$4,306	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Landslide	Relatively Low	Very Low	\$220	n/a	\$2,171	\$2,391	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Drought	No Rating	No Expected Annual Losses	n/a	\$0	n/a	\$0	0	Declared 1 time; no Storm Events record of this type.

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

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

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

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: avalanche, coastal flooding, 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 8 (Very Low, 26.5); tract 6 (Very Low, 23.0); tract 4 (Very Low, 15.5)
Hurricane	tract 8 (Very Low, 35.9); tract 3 (Very Low, 31.4); tract 6 (Very Low, 30.7)
Landslide	tract 8 (Relatively Low, 93.2); tract 7 (Relatively Low, 91.9); tract 1 (Relatively Low, 86.7)
Tornado	tract 8 (Relatively High, 81.8); tract 6 (Relatively Moderate, 72.3); tract 7 (Relatively Moderate, 65.4)
Wildfire	tract 2 (Relatively Low, 82.9); tract 10 (Relatively Low, 81.9); tract 1 (Relatively Low, 77.9)

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 8 is Census Tract 8). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					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).
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.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	39 records, 1966 to 2022	0.75 in to 1.75 in (median 1 in); 39 with a recorded value	1.75 in hail, 2020-04-07; same size also recorded on 1976-08-31, 1978-06-17, 1996-04-12, 1996-05-18, 1996-07-29, 2003-07-13, 2014-07-27	Hail, 1998-09-26, \$300,000 property; crops not reported (1998 dollars)	Event records naming jurisdictions in the plan: Harrison city (12 records), Clare city (6 records), Farwell village (5 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)	4 records, 2002 to 2006 (4 zone-level)		Ice Storm, 2003-04-03, \$200,000 property; crops not reported (2003 dollars); NWS zone MIZ040		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)	8 records, 1996 to 2013 (2 zone-level)		Flood, 2013-04-17, \$3,000,000 property; \$0 crops (2013 dollars)		Event records naming jurisdictions in the plan: Clare city (2 records), Farwell village (1 record). Zone-level records (2) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					Physical measure: in event narratives only (local data needed).
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	1 record, 1996		Lightning, 1996-07-30, \$5,000 property; crops not reported (1996 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)	8 records, 1997 to 2017 (8 zone-level)	45 kt (52 mph) to 61 kt (70 mph) (median 52 kt (60 mph)); 7 with a recorded value	61 kt (70 mph) estimated gust, High Wind, 2013-11-17; NWS zone MIZ040	High Wind, 2017-03-08, \$5,000,000 property; \$0 crops, reported for the zone (2017 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	70 records, 1960 to 2026	50 kt (58 mph) to 65 kt (75 mph) (median 52 kt (60 mph)); 43 with a recorded value	65 kt (75 mph) estimated gust, Thunderstorm Wind, 2011-06-08	Thunderstorm Wind, 2018-08-28, \$200,000 property; \$0 crops (2018 dollars)	Event records naming jurisdictions in the plan: Harrison city (18 records), Clare city (7 records), Farwell village (4 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	10 records, 1976 to 2024	F/EF0 to F/EF1 (median F/EF0); 10 with a recorded value	EF1 tornado, 2024-07-05, 12.11 mi within this county, 75 yd wide, \$2,000,000 property; \$0 crops (2024 dollars)		Event records naming jurisdictions in the plan: Clare city (1 record), Harrison 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).
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)	60 records, 1996 to 2025 (60 zone-level)		Winter Storm, 2010-12-11, \$250,000 property; \$0 crops (2010 dollars); NWS zone MIZ040		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: 9 declarations covering 6 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	
2001-01-10	2000-12-11	EM-3160-MI	Emergency	Snow	Winter Weather	\$15,585.75	
1986-09-18	1986-09-10	DR-774-MI	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1978-01-27	1978-01-27	EM-3057-MI	Emergency	Blizzards & Snowstorms	Winter Weather	no Public Assistance recorded	
1977-03-02	1977-03-02	EM-3035-MI	Emergency	Drought	Drought	no Public Assistance recorded	
1976-03-19	1976-03-19	DR-495-MI	Major disaster	Severe Storms, Tornadoes, Icing & Flooding	Inland Flooding; Tornado	no Public Assistance recorded	
1975-09-30	1975-09-30	DR-486-MI	Major disaster	Severe Storms, High Winds & Flooding	Inland Flooding (primary); also designated: Strong Wind	no Public Assistance recorded	

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

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

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

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Drought	0	0	0	0	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	39	0	1	1	0	0	1955 to 2026-06-30	
Heat Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	4	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	8	0	0	0	3	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	78	5	0	5	1	0	1955 to 2026-06-30	Includes 7 High Wind and 1 Strong Wind records.
Tornado	10	1	0	1	1	0	1950 to 2026-06-30	
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	60	2	1	3	2	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
2024-07-05	Tornado	EF1, 12.11 mi within this county, 75 yd wide	\$2,000,000 property; \$0 crops (2024 dollars)	0, 0	LAKE GEORGE to BROWNS CORNER	new since last plan; within last 5 years	B1-c worst recorded: Tornado
2020-04-07	Hail	1.75 in	\$250,000 property; \$0 crops (2020 dollars)	0, 0	LAKE		B1-c worst recorded: Hail
2018-08-28	Thunderstorm Wind	56 kt (64 mph) estimated gust	\$200,000 property; \$0 crops (2018 dollars)	0, 0	LEOTA		B1-c most damaging: Thunderstorm Wind
2017-03-08	High Wind	52 kt (60 mph) estimated gust	\$5,000,000 property; \$0 crops, reported for the zone (2017 dollars)	2, 0	NWS zone MIZ040 (CLARE), zone-level		deaths or injuries recorded
2013-11-17	Thunderstorm Wind	52 kt (60 mph) estimated gust	\$75,000 property; \$0 crops (2013 dollars)	0, 1	HARRISON		deaths or injuries recorded
2013-11-17	High Wind	61 kt (70 mph) estimated gust	\$75,000 property; \$0 crops, reported for the zone (2013 dollars)	0, 0	NWS zone MIZ040 (CLARE), zone-level		B1-c worst recorded: High Wind and Strong Wind
2013-04-17	Flood		\$3,000,000 property; \$0 crops (2013 dollars)	0, 0	LEOTA to TEMPLE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2011-06-08	Thunderstorm Wind	65 kt (75 mph) estimated gust	damage not reported	0, 0	TEMPLE to LAKE GEORGE		B1-c worst recorded: Thunderstorm Wind
2010-12-11	Winter Storm		\$250,000 property; \$0 crops, reported for the zone (2010 dollars)	0, 0	NWS zone MIZ040 (CLARE), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2003-04-03	Ice Storm		\$200,000 property; crops not reported, reported for the zone (2003 dollars)	0, 0	NWS zone MIZ040 (CLARE), zone-level		B1-c worst recorded: Ice Storm
1996-07-30	Lightning		\$5,000 property; crops not reported (1996 dollars)	0, 0	TEMPLE		B1-c worst recorded: Lightning
1994-06-17	Thunderstorm Wind	50 kt (58 mph), measurement type not recorded	\$50,000 property; crops not recorded (1994 dollars)	0, 1	Hamilton Township		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (200 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	2.16	event-days per year	about 2.16 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	41	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	0.000456	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0456%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	1.58	events per year	about 1.58 per year	Highly likely	FEMA annualized frequency (modeled)	59.9 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.53	event-days per year	about 1.53 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	28	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events heat wave record, 1996 to 2025
Hurricane	0.00693	events per year	about 1 in 144 years	Unlikely	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	0.468	event-days per year	about 0.468 days per year	Likely (from Storm Events: 4 of 30 years)	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	32	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.286	event-days per year	about 0.286 days per year	Likely (from Storm Events: 6 of 30 years)	event-days in 6 of 30 years, 1996 to 2025 (20%)	8	1996 to 2023 (28 years)	see B1-f	
Landslide	0.153	events per year (modeled)	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	28.6	days per year with a strike	about 28.6 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.03	events per year	about 2.03 per year	Highly likely	FEMA annualized frequency (modeled)	78	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Tornado	0.157	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.000145	annual probability at a location	chance a given location in the county burns in a year: 0.0145%		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	17.2	event-days per year	about 17.2 days per year	Likely (from Storm Events: 25 of 30 years)	event-days in 25 of 30 years, 1996 to 2025 (83.3%)	327	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.

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	19	30	0.633
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	40	30	1.33
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	8	30	0.267
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	12 of 12	55.0	77.5	90.4	Relatively High 6, Relatively Moderate 6
Drought	0 of 12				No Rating 12
Earthquake	12 of 12	2.2	8.9	26.5	Very Low 12
Hail	12 of 12	58.5	73.9	87.3	Relatively Moderate 9, Relatively Low 3
Heat Wave	12 of 12	4.0	9.7	21.3	Relatively Low 1, Very Low 11
Hurricane	12 of 12	22.4	28.7	35.9	Very Low 12
Ice Storm	12 of 12	18.1	45.4	69.9	Relatively Moderate 1, Relatively Low 8, Very Low 3
Inland Flooding	12 of 12	9.5	36.2	82.2	Relatively High 1, Relatively Moderate 2, Relatively Low 7, Very Low 2
Landslide	12 of 12	67.5	83.4	93.2	Relatively Low 8, Very Low 4
Lightning	12 of 12	55.4	83.9	95.5	Relatively High 8, Relatively Moderate 4
Strong Wind	12 of 12	88.5	97.7	99.6	Very High 8, Relatively High 4

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	12 of 12	43.7	62.2	81.8	Relatively High 1, Relatively Moderate 8, Relatively Low 3
Wildfire	12 of 12	50.2	67.2	82.9	Relatively Low 6, Very Low 6
Winter Weather	12 of 12	87.5	96.8	99.1	Very High 7, Relatively High 5

Rated tracts only: No Rating (score 0.0), Not Applicable and Insufficient Data tracts are counted but not used for the minimum, median and maximum.

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Clare County	County	Approved, expires 2028-05-31		no Public Assistance recorded	0 total; 0 since its plan	No NFIP community ID on this jurisdiction's plan row.
Clare city	City	Approved, expires 2028-05-31	FMA RL 0, SRL 0; any 0	\$1,864.50	16 total; 1 since its plan	Also approved under plan 108796 (Isabella County HMP, expires 2028-01-25). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
Farwell village	Village	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	10 total; no approved plan	
Harrison city	City	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	31 total; no approved plan	
Arthur township	Township	Approved, expires 2028-05-31	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Franklin township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Freeman township	Township	Approved, expires 2028-05-31	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Frost township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Garfield township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Grant township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Greenwood township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Hamilton township	Township	Approved, expires 2028-05-31	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Hatton township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Hayes township	Township	Approved, expires 2028-05-31	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Lincoln township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Redding township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Sheridan township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Summerfield township	Township	Approved, expires 2028-05-31	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Surrey township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	
Winterfield township	Township	Plan 108944 approved 2023-06-01, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; no approved plan	

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

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

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

Local data needed

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

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

County-level starter: exposure, expected annual loss and damage since the plan

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year; not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-06-01 <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	\$7,927,896,111	\$28,403,537	30,835	\$204	\$20,484	\$1,310,721	under 0.0001%				
Drought	n/a	\$0	n/a	n/a	\$0	n/a					agriculture exposure is 0 in NRI
Earthquake	\$13,034,680,254	n/a	30,856	\$18,686	n/a	\$6,379	0.000143%				
Hail	\$7,927,896,111	\$28,403,537	30,835	\$231,684	\$9,074	\$11,982	0.00292%				
Heat Wave	\$7,927,896,111	\$28,403,537	30,835	\$936	under \$1	\$65,459	under 0.0001%				
Hurricane	\$7,927,896,111	\$28,403,537	30,835	\$3,923	\$380	\$3	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 2023-06-01 <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
Ice Storm	\$7,927,896,111	n/a	30,835	\$26,298	n/a	\$11,057	0.000332%				
Inland Flooding	\$7,913,529,476	\$42,809	518	\$4,232,100	\$170	\$725	n/a (see note)				NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$90,964,325	n/a	352	\$220	n/a	\$2,171	0.000242%				
Lightning	\$7,927,896,111	n/a	30,835	\$2,650	n/a	\$289,035	under 0.0001%				
Strong Wind	\$7,927,896,111	\$28,403,537	30,835	\$848,625	\$5,653	\$1,051,971	0.0107%	\$160,000			
Tornado	\$7,927,896,111	\$28,403,537	30,835	\$569,308	\$504	\$459,318	0.00718%	\$2,000,000			
Wildfire	\$1,067,474,749	\$5,685,332	6,041	\$17,514	\$6	\$1,807	0.00164%				
Winter Weather	\$7,927,896,111	\$28,403,537	30,835	\$5,608	\$161	\$287,238	under 0.0001%		\$0		

Totals since 2023-06-01 (Storm Events through 2026-06-30): 6 county-coded records, 5 with a damage value recorded (including \$0), \$2,160,000; 2 zone-level records, 1 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

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

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

County context

Source: 5

Measure	Value
Population	30,835
Building value (total, not at risk)	\$7,927,896,111
Agriculture value (total, not at risk)	\$28,403,537
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$5,994,190
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)	\$3,497,866
Social vulnerability rating	Very High
Community resilience rating	Relatively Moderate
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>
Clare city	260629	0	0	0	0	0	0	0
Farwell village	261333	0	0	0	0	0	0	0
Harrison city	261262	0	0	0	0	0	0	0
Arthur township	261332	0	0	0	0	0	0	0
Franklin township	261257	0	0	0	0	0	0	0
Freeman township	261334	0	0	0	0	0	0	0
Frost township	261335	0	0	0	0	0	0	0
Garfield township	261258	0	0	0	0	0	0	0
Grant township	261259	0	0	0	0	0	0	0
Greenwood township	261260	0	0	0	0	0	0	0
Hamilton township	261261	0	0	0	0	0	0	0
Hatton township	261336	0	0	0	0	0	0	0
Hayes township	261263	0	0	0	0	0	0	0
Lincoln township	261264	0	0	0	0	0	0	0
Redding township	260382	0	0	0	0	0	0	0
Sheridan township	261265	0	0	0	0	0	0	0
Summerfield township	260383	0	0	0	0	0	0	0
Surrey township	261337	0	0	0	0	0	0	0
Winterfield township	261338	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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3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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_scscd_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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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.