

Leake County, MS

Risk-assessment baseline packet

County FIPS: 28079 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 2027-06-09. Plan: MEMA District 6 Regional (FEMA plan 108139), approved 2022-06-10.

Since the plan was approved on 2022-06-10: 3 new hazard declarations (2 incidents) and 71 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 (\$3,374,861 a year), Tornado (\$2,109,725) and Hurricane (\$1,409,614).

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; 28079 is this area.

D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.

CFR: Code of Federal Regulations.

A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

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

CONTENTS

1. Summary and terms used, page 1
2. Plan clock, page 2
3. What changed since your last plan (approved 2022-06-10), page 2
4. B1-a: hazard identification, page 3
5. B1-b: hazard location, page 4
6. B1-c: hazard extent, page 5
7. B1-d: previous occurrences, page 7
8. B1-e: probability of future events, page 12
9. B1-f: hazards that vary across jurisdictions, page 14
10. B2-a and B2-b: vulnerability and potential impacts, page 16
11. B2-a: vulnerability (county context), page 17
12. B2-c: repetitive loss properties, page 18
13. Sources, what the plan adds, disclaimer and citation, page 19

Plan clock

Status:	Approved, expires 2027-06-09	Plan:	MEMA District 6 Regional (FEMA plan 108139)
Approved:	2022-06-10	Days to expiry:	252
Update underway:	none recorded in FEMA's plan tracker		

What changed since your last plan (approved 2022-06-10)

New federal declarations:	3 new hazard declarations (2 incidents): DR-4727-MS (Severe Storms, Straight-Line Winds, and Tornadoes.), EM-3640-MS (Severe Winter Storm), DR-4899-MS (Severe Winter Storm)	Storm Events records since approval:	71 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 5	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

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Notes
Leake County (unincorporated area)	Unincorporated	Approved, expires 2027-06-09	MEMA District 6 Regional (FEMA plan 108139)	2022-06-10	2027-06-09	252	
Carthage city	City	Approved, expires 2027-06-09	MEMA District 6 Regional (FEMA plan 108139)	2022-06-10	2027-06-09	252	this jurisdiction approved 2022-10-05
Lena town	Town	Approved, expires 2027-06-09	MEMA District 6 Regional (FEMA plan 108139)	2022-06-10	2027-06-09	252	this jurisdiction approved 2022-09-21
Walnut Grove town	Town	Approved, expires 2027-06-09	MEMA District 6 Regional (FEMA plan 108139)	2022-06-10	2027-06-09	252	this jurisdiction approved 2022-10-05

Plan 108139 covers 35 other participants, named in the Excel file.

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

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)
- levee failure
- flash flood as its own subtype
- ice jams
- debris flows
- erosion (riverine and coastal)
- land subsidence and sinkholes
- expansive soils

The 18 National Risk Index hazards, ranked by expected annual loss (EAL)

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Low	Very Low	\$3,029,264	\$343,444	\$2,154	\$3,374,861	44	
2	Tornado	Relatively Moderate	Relatively Low	\$741,839	\$54,048	\$1,313,838	\$2,109,725	58	
3	Hurricane	Relatively Moderate	Relatively Low	\$541,134	\$848,934	\$19,546	\$1,409,614	4	
4	Strong Wind	Relatively High	Relatively Moderate	\$321,015	\$90,847	\$785,424	\$1,197,286	272	Includes 5 High Wind and 5 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
5	Cold Wave	Relatively Moderate	Relatively Moderate	\$13,447	\$328,691	\$776,499	\$1,118,638	2	
6	Heat Wave	Relatively Low	Relatively Low	\$33	\$4,465	\$477,865	\$482,362	5	
7	Hail	Relatively Low	Relatively Low	\$231,742	\$32,305	\$70,639	\$334,686	86	
8	Earthquake	Relatively Low	Relatively Low	\$240,123	n/a	\$79,208	\$319,331		Storm Events does not record earthquakes.
9	Drought	Relatively Moderate	Relatively Low	n/a	\$237,690	n/a	\$237,690	17	
10	Lightning	Relatively Moderate	Relatively Low	\$14,426	n/a	\$167,679	\$182,105	3	
11	Ice Storm	Relatively Moderate	Relatively Low	\$71,657	n/a	\$10,316	\$81,973	6	
12	Winter Weather	Relatively Low	Relatively Low	\$4,316	\$63	\$29,651	\$34,031	14	Includes 2 Sleet records (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
13	Wildfire	Very Low	Very Low	\$23,114	\$760	\$6,827	\$30,701	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Landslide	Very Low	Very Low	\$1,711	n/a	\$130	\$1,840	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

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

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

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 406 (Relatively Moderate, 82.9); tract 404.02 (Relatively Low, 60.5); tract 401 (Relatively Low, 59.1)
Hurricane	tract 405 (Relatively Moderate, 89.3); tract 406 (Relatively Moderate, 87.8); tract 404.01 (Relatively Moderate, 87.5)
Landslide	tract 401 (Relatively Low, 91.4); tract 407 (Relatively Low, 90.8); tract 404.01 (Relatively Low, 89.1)
Tornado	tract 406 (Very High, 99.4); tract 405 (Very High, 94.6); tract 407 (Relatively High, 92.4)
Wildfire	tract 405 (Relatively Low, 84.7); tract 407 (Relatively Low, 83.8); tract 401 (Relatively Low, 81.1)

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 406 is Census Tract 406). 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	2 records, 2010 to 2026 (2 zone-level)	2 days to 14 days (median 8 days); 2 with a recorded value	14 consecutive days, 2010-01-01 to 2010-01-14, 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)	17 records, 2006 to 2026 (17 zone-level)	16 days to 84 days (median 61 days); 7 with a recorded value	84 days (about 2.8 months), 2007-04-12 to 2007-07-04, a run of 5 consecutive Storm Events drought records, zone-level	Drought, 2007-06-01, \$0 property; \$1,300,000 crops (zone total, 2007 dollars)	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)	104 records, 1976 to 2026	0.75 in to 2.75 in (median 1 in); 104 with a recorded value	2.75 in hail, 2010-05-02; same size also recorded on 2010-05-02	Hail, 2023-06-15, \$100,000 property; \$0 crops (2023 dollars)	Event records naming jurisdictions in the plan: Carthage city (14 records), Lena town (10 records), Walnut Grove town (10 records).	
Excessive Heat, Heat	heat index (in event narratives)	5 records, 2005 to 2010 (5 zone-level)	4 days to 12 days (median 5 days); 5 with a recorded value	12 consecutive days, 2007-08-05 to 2007-08-16, zone-level	Heat, 2006-07-15, property not reported; \$76,500 crops (zone total, 2006 dollars)	Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	4 records, 2002 to 2021 (4 zone-level)		Strongest recorded: Hurricane record (NOAA event type 'Hurricane (Typhoon)'), 2005-08-29, \$100,000,000 property; \$30,000,000 crops (2005 dollars), 1 direct death (reported for the zone); NWS zone MSZ044		Countywide (zone-level records).	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, 1996 to 2011 (6 zone-level)		Ice Storm, 2011-02-03, \$400,000 property; \$0 crops (2011 dollars); NWS zone MSZ044		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)	44 records, 2001 to 2025		Flash Flood, 2003-04-06, \$10,000,000 property; crops not reported (2003 dollars)		Event records naming jurisdictions in the plan: Walnut Grove town (6 records), Carthage city (4 records), Lena town (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)	3 records, 2008 to 2011		Lightning, 2008-05-24, \$100,000 property; \$0 crops (2008 dollars)		Event records naming jurisdictions in the plan: Carthage city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	10 records, 1998 to 2023 (10 zone-level)	39 kt (45 mph) to 50 kt (58 mph) (median 45.5 kt (52 mph)); 8 with a recorded value	50 kt (58 mph) estimated gust, High Wind, 2011-04-26; same speed and measurement basis also recorded on 2009-04-12; NWS zone MSZ044	High Wind, 2006-04-29, \$400,000 property; crops not reported (zone total, 2006 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	321 records, 1966 to 2026	43 kt (49 mph) to 80 kt (92 mph) (median 50 kt (58 mph)); 216 with a recorded value	80 kt (92 mph) estimated gust, Thunderstorm Wind, 2022-04-13; same speed and measurement basis also recorded on 2005-01-13	Thunderstorm Wind, 2008-08-02, \$1,200,000 property; \$800,000 crops (2008 dollars)	Event records naming jurisdictions in the plan: Carthage city (45 records), Walnut Grove town (25 records), Lena town (15 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	75 records, 1958 to 2026	F/EF0 to F/EF5 (median F/EF1); 74 with a recorded value	F5 tornado, 1966-03-03, 72.8 mi path length (whole path, pre-1996), 33 yd wide, \$25,000,000 property; crops not recorded (1966 dollars)	Tornado, 1982-04-02, \$25,000,000 property; crops not recorded (1982 dollars)	Event records naming jurisdictions in the plan: Walnut Grove town (5 records), Lena town (4 records), Carthage city (3 records).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	14 records, 1997 to 2022 (14 zone-level)		Heavy Snow, 2010-02-11, \$350,000 property; \$0 crops (2010 dollars); NWS zone MSZ044		Countywide (zone-level records).	

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 27 declarations covering 22 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2026-02-06	2026-01-23	DR-4899-MS	Major disaster	Severe Winter Storm	Winter Weather	\$93,987.81	new since last plan; within last 5 years	
2026-01-24	2026-01-23	EM-3640-MS	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-4899
2023-08-12	2023-06-14	DR-4727-MS	Major disaster	Severe Storms, Straight-Line Winds, and Tornadoes.	Strong Wind; Tornado	\$813,818.28	new since last plan; within last 5 years	
2021-10-22	2021-08-28	DR-4626-MS	Major disaster	Hurricane Ida	Hurricane	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	
2021-08-28	2021-08-28	EM-3569-MS	Emergency	Hurricane Ida	Hurricane	no Public Assistance recorded	in the 12 months before plan approval	same incident as DR-4626
2021-05-04	2021-02-11	DR-4598-MS	Major disaster	Severe Winter Storms	Ice Storm	\$1,835,544.29		
2020-04-16	2020-04-12	DR-4536-MS	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	Inland Flooding; Strong Wind; Tornado	\$411,984.42		
2020-04-05	2020-01-20	DR-4528-MS	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$198,939.38		
2020-03-13	2020-01-20	EM-3474-MS	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4528
2019-12-06	2019-10-26	DR-4470-MS	Major disaster	Severe Storm, Straight-Line Winds, and Flooding	Inland Flooding; Strong Wind	\$638,096.96		
2016-03-25	2016-03-09	DR-4268-MS	Major disaster	Severe Storms and Flooding	Inland Flooding	\$171,683.63		
2014-04-30	2014-04-28	DR-4175-MS	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$130,537.55		
2012-08-29	2012-08-26	DR-4081-MS	Major disaster	Hurricane Isaac	Hurricane	no Public Assistance recorded		
2008-08-30	2008-08-28	EM-3291-MS	Emergency	Hurricane Gustav	Hurricane	no Public Assistance recorded		
2005-08-29	2005-08-29	DR-1604-MS	Major disaster	Hurricane Katrina	Hurricane	\$2,197,693.04		
2005-07-10	2005-07-10	DR-1594-MS	Major disaster	Hurricane Dennis	Hurricane	\$28,903.11		
2003-04-24	2003-04-06	DR-1459-MS	Major disaster	Severe Storms, Tornadoes, Floods	Inland Flooding; Tornado	\$198,364.39		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2001-12-07	2001-11-24	DR-1398-MS	Major disaster	Severe Storms, Tornadoes and Flooding	Inland Flooding; Tornado	\$56,371.22		
2001-04-17	2001-04-03	DR-1365-MS	Major disaster	Severe Storms and Flooding	Inland Flooding	\$299,862		
1999-01-25	1998-12-23	DR-1265-MS	Major disaster	Severe Winter Storms, Ice and Freezing Rain	Ice Storm	\$172,252.43		
1992-11-25	1992-11-21	DR-968-MS	Major disaster	Severe Storms, High Winds & Tornadoes	Tornado (primary); also designated: Strong Wind	no Public Assistance recorded		
1983-06-01	1983-06-01	DR-683-MS	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	no Public Assistance recorded		
1982-04-10	1982-04-10	EM-3084-MS	Emergency	Tornadoes	Tornado	PA not declared for this county		
1979-04-16	1979-04-16	DR-577-MS	Major disaster	Storms, Tornadoes, Floods	Inland Flooding; Tornado	no Public Assistance recorded		
1979-04-14	1979-04-14	EM-3077-MS	Emergency	Storms, Tornadoes, Floods	Inland Flooding; Tornado	no Public Assistance recorded		same incident as DR-577
1977-02-22	1977-02-22	EM-3032-MS	Emergency	Drought & Freezing	Winter Weather (primary); also designated: Drought	no Public Assistance recorded		
1974-04-18	1974-04-18	DR-430-MS	Major disaster	Heavy Rains & 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
1962-10-10	1962-10-10	DR-135-MS	Major disaster	Chlorine Barge Accident	Non-natural, not counted
1961-02-27	1961-02-27	DR-108-MS	Major disaster	Floods	Inland Flooding
1953-12-06	1953-12-06	DR-14-MS	Major disaster	Tornado	Tornado

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

Public Assistance filed under this county for declarations that do not list it: 4 rows, \$403,519.66

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-1972-MS	2011-04-29	Severe Storms, Tornadoes, Straight-Line Winds, and Associated Flooding	Central Electric Power Association	\$255,418.69
DR-1906-MS	2010-04-29	Severe Storms, Tornadoes, and Flooding	Central Electric Power Association	\$87,635.15
DR-1550-MS	2004-09-15	Hurricane Ivan	Central Electric Power Association	\$23,951.25
DR-1360-MS	2001-02-23	Severe Storms and Tornadoes	Central Electric Power Association	\$36,514.57

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 Mississippi county: 3 rows, \$3,519,904.13; listed on the Mississippi 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	2	1	0	1	0	0	1996 to 2026-06-30	
Drought	17	5	0	5	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	104	8	1	9	0	0	1955 to 2026-06-30	
Heat Wave	5	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	4	0	1	0	5	0	1996 to 2026-06-30	
Ice Storm	6	0	0	0	2	0	1996 to 2026-06-30	
Inland Flooding	44	15	1	15	10	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	3	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	331	39	9	46	4	1	1955 to 2026-06-30	Includes 5 High Wind and 5 Strong Wind records.

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
Tornado	75	3	3	6	9	1	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	14	0	1	1	2	1	1996 to 2026-06-30	Includes 2 Sleet records.

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
2022-04-13	Thunderstorm Wind	80 kt (92 mph) estimated gust	\$50,000 property; \$0 crops (2022 dollars)	0, 0	EDINBURG to BERTICE	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Thunderstorm Wind
2011-04-26	High Wind	50 kt (58 mph) estimated gust	property not reported; \$50,000 crops (zone total, 2011 dollars)	0, 0	NWS zone MSZ044 (LEAKE), zone-level		B1-c worst recorded: High Wind and Strong Wind
2010-05-02	Hail	2.75 in	\$25,000 property; \$0 crops (2010 dollars)	0, 0	CARTHAGE to MIDWAY		B1-c worst recorded: Hail
2010-01-01	Cold/Wind Chill		\$200,000 property; \$0 crops (zone total, 2010 dollars)	0, 0	NWS zone MSZ044 (LEAKE), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2007-08-05	Heat		\$0 property; \$0 crops (zone total, 2007 dollars)	0, 0	NWS zone MSZ044 (LEAKE), zone-level		B1-c worst recorded: Excessive Heat, Heat
2007-04-12	Drought		\$0 property; \$0 crops (zone total, 2007 dollars)	0, 0	NWS zone MSZ044 (LEAKE), zone-level		B1-c worst recorded: Drought
2005-08-29	Hurricane (NOAA event type 'Hurricane (Typhoon)')		\$100,000,000 property; \$30,000,000 crops (zone total, 2005 dollars)	1, 0	NWS zone MSZ044 (LEAKE), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2003-04-06	Flash Flood		\$10,000,000 property; crops not reported (2003 dollars)	0, 0	SOUTH PORTION		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1976-02-18	Tornado	F3, 21.7 mi path length (whole path, pre-1996), 200 yd wide	\$2,500,000 property; crops not recorded (1976 dollars)	1, 27	location not recorded		deaths or injuries recorded
1971-05-09	Tornado	F3, 1 mi path length (whole path, pre-1996), 33 yd wide	damage not recorded (pre-1996 record)	1, 3	location not recorded		deaths or injuries recorded
1966-03-03	Tornado	F5, 72.8 mi path length (whole path, pre-1996), 33 yd wide	\$25,000,000 property; crops not recorded (1966 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado
1958-02-26	Tornado	F3, 12.7 mi path length (whole path, pre-1996), 60 yd wide	\$2,500,000 property; crops not recorded (1958 dollars)	1, 24	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (605 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	1	event-day per year	about 1 day per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	19	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	14.4	event-days per year	about 14.4 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	420	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00213	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.213%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	4.25	events per year	about 4.25 per year	Highly likely	FEMA annualized frequency (modeled)	161.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	11.7	event-days per year	about 11.7 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	190	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0925	events per year	about 1 in 11 years	Possible	FEMA annualized frequency (modeled)	26	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	0.923	event-days per year	about 0.923 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	63	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.857	event-days per year	about 0.857 days per year	Likely	Storm Events event-days in 15 of 30 years, 1996 to 2025 (50%)	24	1996 to 2023 (28 years)	see B1-f	
Landslide	0.472	events per year (modeled)	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	70.1	days per year with a strike	about 70.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	3.54	events per year	about 3.54 per year	Highly likely	FEMA annualized frequency (modeled)	135	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	0.797	events per year	about 0.8 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.0012	annual probability at a location	chance a given location in the county burns in a year: 0.12%		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	2.58	event-days per year	about 2.58 days per year	Likely	Storm Events event- days in 9 of 30 years, 1996 to 2025 (30%)	49	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	52	30	1.73
Hail	2.00 in+	1996 to 2025	4	30	0.133
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	187	30	6.23
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	18	30	0.6
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	54	30	1.8
Tornado	EF0-1	1996 to 2025	51	30	1.7
Tornado	EF2-3	1996 to 2025	6	30	0.2
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	6 of 6	80.6	87.8	93.0	Relatively High 6
Drought	6 of 6	90.1	92.6	96.7	Relatively Moderate 4, Relatively Low 2
Earthquake	6 of 6	49.2	58.3	82.9	Relatively Moderate 1, Relatively Low 5
Hail	6 of 6	84.4	85.9	94.7	Relatively High 2, Relatively Moderate 4
Heat Wave	6 of 6	73.6	79.4	92.4	Relatively High 1, Relatively Moderate 5
Hurricane	6 of 6	83.5	87.3	89.3	Relatively Moderate 6
Ice Storm	6 of 6	74.2	79.4	92.5	Relatively High 1, Relatively Moderate 5
Inland Flooding	6 of 6	39.8	60.7	86.7	Relatively High 1, Relatively Moderate 4, Relatively Low 1
Landslide	6 of 6	82.3	88.3	91.4	Relatively Low 6
Lightning	6 of 6	80.8	86.5	97.5	Very High 1, Relatively High 5
Strong Wind	6 of 6	97.5	98.3	99.7	Very High 6

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	6 of 6	89.3	92.4	99.4	Very High 2, Relatively High 4
Wildfire	6 of 6	79.1	80.7	84.7	Relatively Low 6
Winter Weather	6 of 6	69.2	74.6	89.9	Relatively High 1, Relatively Moderate 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>
Leake County (unincorporated area)	Unincorporated	Approved, expires 2027-06-09	FMA RL 0, SRL 0; any 2	\$1,256,070.61	0 total; 0 since its plan
Carthage city	City	Approved, expires 2027-06-09	FMA RL 0, SRL 0; any 3	\$82,421.56	67 total; 4 since its plan
Lena town	Town	Approved, expires 2027-06-09	FMA RL 0, SRL 0; any 0	\$19,132.50	30 total; 1 since its plan
Walnut Grove town	Town	Approved, expires 2027-06-09	FMA RL 0, SRL 0; any 0	\$11,878.10	46 total; 1 since its 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 2022-06-10 <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	\$4,118,688,058	\$422,315,517	21,242	\$13,447	\$328,691	\$776,499	0.000326%		\$0		
Drought	n/a	\$5,275,757	n/a	n/a	\$237,690	n/a	4.51% (agriculture)		\$973,000		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$7,028,442,571	n/a	21,275	\$240,123	n/a	\$79,208	0.00342%				
Hail	\$4,118,688,293	\$422,315,517	21,242	\$231,742	\$32,305	\$70,639	0.00563%	\$190,000			
Heat Wave	\$4,118,688,058	\$422,315,517	21,242	\$33	\$4,465	\$477,865	under 0.0001%				
Hurricane	\$4,118,688,058	\$422,226,332	21,242	\$541,134	\$848,934	\$19,546	0.0131%				
Ice Storm	\$4,118,688,058	n/a	21,242	\$71,657	n/a	\$10,316	0.00174%				
Inland Flooding	\$4,117,200,752	\$56,164,216	476	\$3,029,264	\$343,444	\$2,154	n/a (see note)	\$603,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$66,388,556	n/a	393	\$1,711	n/a	\$130	0.00258%				
Lightning	\$4,118,688,293	n/a	21,242	\$14,426	n/a	\$167,679	0.00035%				
Strong Wind	\$4,118,688,293	\$422,315,517	21,242	\$321,015	\$90,847	\$785,424	0.00779%	\$282,500	\$3,000	\$813,818.28	Storm Events damage since the plan includes 2 zone-level Strong Wind records (\$3,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$4,118,688,293	\$422,315,517	21,242	\$741,839	\$54,048	\$1,313,838	0.018%	\$61,000		\$813,818.28	

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 2022-06-10 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Wildfire	\$285,649,021	\$86,110,974	3,943	\$23,114	\$760	\$6,827	0.00809%				
Winter Weather	\$4,118,688,058	\$422,315,517	21,242	\$4,316	\$63	\$29,651	0.000105%			\$93,987.81	

Totals since 2022-06-10 (Storm Events through 2026-06-30): 63 county-coded records, 63 with a damage value recorded (including \$0), \$1,136,500; 8 zone-level records, 8 with a damage value recorded (including \$0), \$976,000 reported for the zone; Public Assistance: \$907,806.09 on 3 counted declarations, 2 of them with Public Assistance.

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	21,242
Building value (total, not at risk)	\$4,118,688,293
Agriculture value (total, not at risk)	\$422,315,517
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$7,175,069
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)	\$3,739,776
Social vulnerability rating	Very High
Community resilience rating	Very Low
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	5	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	5	0	5	0	2
of which: Carthage city	0	0	3	0	3	0	1
of which: Leake County (unincorporated area)	0	0	2	0	2	0	1
Statewide, no county in FEMA's file	1	1	4	1	4	0	3

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>
Leake County (unincorporated area)	280293	0	0	2	0	2	0	1
Carthage city	280097	0	0	3	0	3	0	1
Lena town	280204	0	0	0	0	0	0	0
Walnut Grove town	280098	0	0	0	0	0	0	0

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

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	0	0	5	0	5	0	2
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	0	0	0	0	0
not reported	0	0	0	0	0	0	0

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

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 5 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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)

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).

Reuse, citation and corrections

Reuse and citation: Hazard Plain text and tables are licensed under Creative Commons Attribution 4.0 International (CC BY 4.0, <https://creativecommons.org/licenses/by/4.0/>); credit Hazard Plain and the release. The underlying federal data are public domain; OpenFEMA data are also subject to the OpenFEMA terms and conditions.

Cite this: Hazard Plain (2026). Leake County, MS: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 28079). Automated baseline. <https://hazardplain.org/ms/28079/> 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