

Hancock County, MS

Risk-assessment baseline packet

Unit **County area 28045** Release **2026-10** As of **2026-09-28** 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.

A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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).

Plan clock

Status	Approved, expires 2029-02-21	Plan	MEMA District 9 Regional (FEMA plan 109240)
Approved	2024-02-22	Expires	2029-02-21
As of	2026-09-28	Days	877 days to expiry

What changed since your last plan (approved 2024-02-22)

New federal declarations	DR-4790-MS, EM-3640-MS, DR-4899-MS, DR-4930-MS (4 declaration rows; 3 counted incidents)	Storm Events records since approval	55 (data through 2026-06-30)
Repetitive loss now	FMA RL 127, SRL 175 (44 CFR 77.2); any definition: 833	Repeat-flood change	First release: no prior release to compare.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Hancock County (unincorporated area)	Unincorporated	Approved, expires 2029-02-21	MEMA District 9 Regional (FEMA plan 109240)	2024-02-22	2029-02-21	877		member approved 2024-03-20
Bay St. Louis city	City	Approved, expires 2029-02-21	MEMA District 9 Regional (FEMA plan 109240)	2024-02-22	2029-02-21	877		member approved 2024-07-18
Diamondhead city	City	Approved, expires 2029-02-21	MEMA District 9 Regional (FEMA plan 109240)	2024-02-22	2029-02-21	877		member approved 2024-04-03
Waveland city	City	Approved, expires 2029-02-21	MEMA District 9 Regional (FEMA plan 109240)	2024-02-22	2029-02-21	877		member approved 2024-02-29

Plan 109240 also covers 18 other participants not listed on this page (named in the XLSX file).

SOURCE: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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

CONTENTS

1. Plan clock, page 1	7. Supports B1-e: probability, page 13
2. What changed since your last plan (approved 2024-02-22), page 1	8. Supports B1-f: variation across the planning area, page 17
3. Supports B1-a: hazards, page 2	9. Supports B2-a and B2-b: assets and impacts, page 18
4. Supports B1-b: location, page 4	10. Supports B2-a: context, page 20
5. Supports B1-c: extent, page 4	11. Supports B2-c: repetitive loss, page 21
6. Supports B1-d: previous occurrences, page 8	12. Sources and OpenFEMA disclaimer, page 22

Supports B1-a: hazards

Hazards NRI does not cover: check locally

- 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)

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Hurricane	Relatively High	Relatively High	\$16,765,269	\$52,995	\$1,237,589	\$18,055,853	29		Includes 2 Tropical Depression records, event types the NRI definition of this hazard leaves out.
2	Inland Flooding	Relatively Low	Relatively Low	\$8,986,314	\$52	\$107,911	\$9,094,278	37		
3	Coastal Flooding	Relatively High	Relatively High	\$2,967,362		\$284,721	\$3,252,082	35		
4	Tornado	Relatively Moderate	Relatively Moderate	\$889,974	\$295	\$1,677,466	\$2,567,734	44		
5	Wildfire	Relatively Moderate	Relatively Moderate	\$1,020,535	\$145	\$121,460	\$1,142,140	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
6	Cold Wave	Relatively Low	Relatively Moderate	\$8,853	\$225	\$1,124,871	\$1,133,949	4		
7	Heat Wave	Relatively Low	Relatively Low	\$168	\$22	\$1,062,514	\$1,062,704	23		
8	Lightning	Relatively High	Relatively High	\$21,236		\$978,571	\$999,807	9		
9	Strong Wind	Relatively Low	Relatively Low	\$18,908	\$73	\$254,902	\$273,883	101		Includes 1 High Wind record and 2 Strong Wind records, event types the NRI definition of this hazard leaves out.

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
10	Hail	Relatively Low	Relatively Low	\$210,852	\$40	\$40,226	\$251,117	47		
11	Drought	Relatively Low	Relatively Low		\$168,295		\$168,295	7		
12	Earthquake	Very Low	Very Low	\$114,398		\$42,748	\$157,146			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
13	Ice Storm	Relatively Low	Relatively Low	\$26,163		\$9,411	\$35,573	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Winter Weather	Relatively Low	Relatively Low	\$7,958	\$3	\$20,967	\$28,928	8		Includes 1 Sleet record, event types the NRI definition of this hazard leaves out.
15	Landslide	Very Low	Very Low	\$67		\$2	\$69	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Insufficient Data	Insufficient Data					0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated rated of all tracts
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 17
Coastal 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.	15 of 17
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 17
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	3 of 17
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	17 of 17
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 17
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 17
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	17 of 17
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 17
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.	17 of 17
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	17 of 17
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 17
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 17
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	17 of 17
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 17
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 17
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	17 of 17
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	17 of 17

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B1-c: extent

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

Hazard	Scale	Records count, years	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	35, 1998 to 2024 (33 zone- level)		Storm Surge/Tide, 2005-08-29, \$3,380,000,000 property; crops not reported, reported for the zone (2005 dollars); NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties		No event record names a member place. Zone-level records (33) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	4, 1996 to 2026 (4 zone- level)	1 day to 4 days (median 2.5 days); 4 with a recorded value	4 consecutive days, 1996-12-18 to 1996-12-21, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	0					Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D- scale	7, 2023 to 2026 (7 zone- level)	12 days to 78 days (median 31 days); 3 with a recorded value	78 days (about 2.6 months), 2023-08-16 to 2023-11-01, a run of 4 consecutive Storm Events drought records, zone- level		Zone-level records: applies countywide; national data do not locate these events within the county.	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	61, 1971 to 2024	0.75 in to 1.75 in (median 1 in); 61 with a recorded value	1.75 in hail, 2010-05-25; same size also recorded on 1971-06-26, 1974-11-19, 1976-05-24, 1980-07-07, 1988-05-24, 1995-07-09, 1997-01-24, 1997-06-19, 1998-03-06, 1998-03-07, 2004-06-21, 2005-03-26, 2008-06-25, 2009-07-02, 2009-07-26, 2010-05-25		Event records naming member places: Waveland city (6 records), Bay St. Louis city (2 records), Diamondhead city (1 record).	
Excessive Heat, Heat	heat index (narratives)	23, 2023 to 2025 (23 zone- level)	1 day to 12 days (median 2 days); 8 with a recorded value	12 consecutive days, 2023-08-04 to 2023-08-15, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	29, 1997 to 2024 (29 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Hurricane (Typhoon) record, 2020-10-28, category 2, \$40,000,000 property; \$0 crops, reported for the zone (2020 dollars); NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties	Most damaging recorded: Hurricane (Typhoon), 2005-08-28, \$1,470,000,000 property; crops not reported, reported for the zone (2005 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	0					Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	37, 1997 to 2026 (1 zone-level)		Flash Flood, 2003-06-30, \$500,000 property; crops not reported (2003 dollars)		Event records naming member places: Waveland city (7 records), Bay St. Louis city (5 records). Zone-level records (1) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	9, 1996 to 2024		Lightning, 2005-08-15, damage not reported, 1 direct death	Lightning, 1996-09-16, \$150,000 property; crops not reported (1996 dollars)	Event records naming member places: Bay St. Louis city (2 records), Waveland city (2 records).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	3, 2007 to 2013 (3 zone-level)	45 kt (52 mph) to 52 kt (60 mph) (median 45 kt (52 mph)); 3 with a recorded value	52 kt (60 mph) measured gust, High Wind, 2013-04-03; NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Thunderstorm Wind	wind speed (kt and mph)	126, 1968 to 2026	50 kt (58 mph) to 65 kt (75 mph) (median 52 kt (60 mph)); 72 with a recorded value	65 kt (75 mph) estimated gust, Thunderstorm Wind, 2020-04-19	Thunderstorm Wind, 2003-04-07, \$50,000 property; crops not reported (2003 dollars)	Event records naming member places: Waveland city (15 records), Bay St. Louis city (8 records).	
Tornado	Enhanced Fujita (F before Feb 2007)	67, 1952 to 2026	F/EF0 to F/EF3 (median F/EF1); 63 with a recorded value	F3 tornado, 1980-05-19, 13.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 800 yd wide, \$25,000,000 property; crops not recorded (1980 dollars), 8 direct injuries		Event records naming member places: Waveland city (5 records), Bay St. Louis city (4 records).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	0					Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	8, 1996 to 2025 (8 zone-level)		No damage reported in 8 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Supports B1-d: previous occurrences

Declaration rows33

Counted incidents23

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance federal share obligated, nominal dollars	Flags	Notes
2026-08-03	2026-06-18	DR-4930-MS	Major disaster	TROPICAL STORM ARTHUR	Hurricane (primary); also designated: Inland Flooding	not yet in FEMA's PA summaries (they cover declarations through 2026-06-30)	new since last plan; within last 5 years	
2026-02-06	2026-01-23	DR-4899-MS	Major disaster	SEVERE WINTER STORM	Winter Weather	none placed in this county by FEMA's record; \$103,887.07 for this declaration is not placed in any county (see the list below)	new since last plan; within last 5 years	
2026-01-24	2026-01-23	EM-3640-MS	Emergency	SEVERE WINTER STORM	Winter Weather	none found	new since last plan; within last 5 years	same incident as DR-4899
2024-06-10	2024-04-08	DR-4790-MS	Major disaster	SEVERE STORMS, STRAIGHT-LINE WINDS, TORNADOES, AND FLOODING	Inland Flooding; Strong Wind; Tornado	PA not declared for this county	new since last plan; within last 5 years	
2021-10-22	2021-08-28	DR-4626-MS	Major disaster	HURRICANE IDA	Hurricane	\$5,747,560	within last 5 years	
2021-08-28	2021-08-28	EM-3569-MS	Emergency	HURRICANE IDA	Hurricane	none found		same incident as DR-4626
2020-12-31	2020-10-28	DR-4576-MS	Major disaster	HURRICANE ZETA	Hurricane	\$17,778,725.48		
2020-10-28	2020-10-27	EM-3550-MS	Emergency	HURRICANE ZETA	Hurricane	none found		same incident as DR-4576

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-10-08	2020-10-07	EM-3548-MS	Emergency	HURRICANE DELTA	Hurricane	none found		
2020-09-14	2020-09-14	EM-3544-MS	Emergency	HURRICANE SALLY	Hurricane	\$62,859.84		
2020-08-23	2020-08-23	EM-3539-MS	Emergency	HURRICANE MARCO AND TROPICAL STORM LAURA	Hurricane	none found		
2020-04-05	2020-01-20	DR-4528-MS	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$109,653.59		
2020-03-13	2020-01-20	EM-3474-MS	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4528
2017-11-22	2017-10-06	DR-4350-MS	Major disaster	HURRICANE NATE	Hurricane	\$696,749.23		
2017-10-07	2017-10-06	EM-3393-MS	Emergency	HURRICANE NATE	Hurricane	none found		same incident as DR-4350
2012-08-29	2012-08-26	DR-4081-MS	Major disaster	HURRICANE ISAAC	Hurricane	\$3,157,985.31		
2012-08-28	2012-08-26	EM-3348-MS	Emergency	TROPICAL STORM ISAAC	Hurricane	none found		same incident as DR-4081
2008-09-22	2008-08-28	DR-1794-MS	Major disaster	HURRICANE GUSTAV	Hurricane	\$6,429,805.80		
2008-08-30	2008-08-28	EM-3291-MS	Emergency	HURRICANE GUSTAV	Hurricane	none found		same incident as DR-1794
2005-08-29	2005-08-29	DR-1604-MS	Major disaster	HURRICANE KATRINA	Hurricane	\$523,620,890.14		
2005-08-28	2005-08-27	EM-3213-MS	Emergency	HURRICANE KATRINA	Hurricane	none found		same incident as DR-1604
2005-07-10	2005-07-10	DR-1594-MS	Major disaster	HURRICANE DENNIS	Hurricane	\$47,920.78		
2004-09-15	2004-09-13	DR-1550-MS	Major disaster	HURRICANE IVAN	Hurricane	\$219,576.46		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2002-10-01	2002-09-23	DR-1436-MS	Major disaster	TROPICAL STORM ISIDORE	Hurricane	\$1,803,741.80		
2001-06-21	2001-06-06	DR-1382-MS	Major disaster	TROPICAL STORM ALLISON	Hurricane; Inland Flooding	\$174,335.94		
1998-10-01	1998-09-25	DR-1251-MS	Major disaster	HURRICANE GEORGES	Hurricane	none found		
1998-09-28	1998-09-28	EM-3132-MS	Emergency	HURRICANE GEORGES	Hurricane	none found		same incident as DR-1251
1995-05-12	1995-05-08	DR-1051-MS	Major disaster	SEVERE STORMS, TORNADOES, FLOODING	Inland Flooding; Tornado	PA not declared for this county		
1991-05-17	1991-04-26	DR-906-MS	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found		
1979-09-13	1979-09-13	DR-599-MS	Major disaster	HURRICANE FREDERIC	Hurricane	none found		
1979-04-16	1979-04-16	DR-577-MS	Major disaster	STORMS, TORNADOES, FLOODS	Inland Flooding; Tornado	none found		
1977-02-22	1977-02-22	EM-3032-MS	Emergency	DROUGHT & FREEZING	Winter Weather (primary); also designated: Drought	none found		
1974-04-18	1974-04-18	DR-430-MS	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding	none found		

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

SOURCES

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
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		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
1953-12-06	1953-12-06	DR-14-MS	Major disaster	TORNADO	Tornado		

FEMA recorded these with designated area Statewide and no county. Listed on every county page in the state; not counted with county rows.

SOURCE

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance not placed in a county in this state: 3 rows, \$3,519,904.13

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated <i>federal share obligated, nominal dollars</i>	Why not placed
4899	2026-02-06	Bolivar Energy Authority	Hardeman County	\$103,887.07	county field is a county of another state and the applicant name does not identify a place in the declaring state
4248	2016-01-04	Bolivar Energy Authority	Hardeman County	\$113,668.42	county field is a county of another state and the applicant name does not identify a place in the declaring state
1604	2005-08-29	HOPE ACADEMY	Mobile County	\$3,302,348.64	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCE

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	35	2	0	2	0	0	1996 to 2026-06-30	
Cold Wave	4	2	0	2	0	0	1996 to 2026-06-30	
Drought	7	1	6	7	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	61	3	2	5	0	0	1955 to 2026-06-30	
Heat Wave	23	3	20	23	0	0	1996 to 2026-06-30	
Hurricane	29	1	0	1	16	1	1996 to 2026-06-30	Includes 2 Tropical Depression records, event types the NRI definition of this hazard leaves out.
Ice Storm	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Inland Flooding	37	14	0	14	7	2	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	9	1	0	1	0	0	1996 to 2026-06-30	
Strong Wind	129	15	2	18	1	1	1955 to 2026-06-30	Includes 1 High Wind record and 2 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	67	12	0	12	4	1	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	8	1	1	2	2	1	1996 to 2026-06-30	Includes 1 Sleet record, event types the NRI definition of this hazard leaves out.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2023-08-04	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2023 dollars)	0, 0	NWS zone MSZ083 (NORTHERN HANCOCK COUNTY), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2020-10-28	Hurricane (Typhoon)	category 2	\$40,000,000 property; \$0 crops, reported for the zone (2020 dollars)	0, 0	NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2020-04-19	Thunderstorm Wind	65 kt (75 mph) estimated gust	\$0 property; \$0 crops (2020 dollars)	0, 0	VIDALIA		B1-c worst recorded: Thunderstorm Wind
2013-04-03	High Wind	52 kt (60 mph) measured gust	\$10,000 property; \$0 crops, reported for the zone (2013 dollars)	0, 0	NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2010-05-25	Hail	1.75 in	\$0 property; \$0 crops (2010 dollars)	0, 0	WAVELAND		B1-c worst recorded: Hail

			Direct deaths, injuries				
Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	<i>indirect not counted</i>	Location	Flags	Why listed
2005-08-29	Storm Surge/ Tide		\$3,380,000,000 property; crops not reported, reported for the zone (2005 dollars)	0, 0	NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2005-08-28	Hurricane (Typhoon)		\$1,470,000,000 property; crops not reported, reported for the zone (2005 dollars)	56, 0	NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2005-08-15	Lightning		damage not reported	1, 0	LAKESHORE		deaths or injuries recorded
2003-06-30	Flash Flood		\$500,000 property; crops not reported (2003 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1998-08-08	Lightning		damage not reported	1, 0	LAKESHORE		deaths or injuries recorded
1996-12-18	Cold/Wind Chill		damage not reported	0, 0	NWS zone MSZ080 (HANCOCK), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1980-05-19	Tornado	F3, 13.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 800 yd wide	\$25,000,000 property; crops not recorded (1980 dollars)	0, 8	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (409 rows).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

State-declared emergencies are not in federal data. Add them from your state emergency management agency.

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

FEMA annualized frequency (modeled)		NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)					
Hazard	Unit	In plain terms	Descriptor	Descriptor basis	NRI period	Location	Note
Avalanche	events per year				1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Coastal Flooding	6.08	events per year at a location (modeled)	about 6.1 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0.998	event-days per year	about 0.998 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	18.5	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	20.7	event-days per year	about 20.7 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	616	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 20.7 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 1 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Earthquake	0.000948	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0948%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	1.77	events per year	about 1.77 per year	Highly likely	FEMA annualized frequency (modeled)	68.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	13.9	event-days per year	about 13.9 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	219	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 13.9 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 2 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Hurricane	0.217	events per year	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	72	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.
Ice Storm	0.464	event-days per year	about 0.464 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	28	1946-12-31 to 2014-02-12 (67 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Inland Flooding	0.714	event-days per year	about 0.714 days per year	Likely	event-days in 16 of 30 years, 1996 to 2025 (53.3%)	20	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Landslide	0.0697	events per year (modeled)	about 1 in 14 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	85.9	days per year with a strike	about 85.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.47	events per year	about 1.47 per year	Highly likely	FEMA annualized frequency (modeled)	51	1986 to 2023 (38 years)	countywide	
Tornado	0.491	events per year	about 1 in 2 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)			Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.00752	annual probability at a location	chance a given location in the county burns in a year: 0.752%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Winter Weather	0.842	event-days per year	about 0.842 days per year	Likely	event-days in 7 of 30 years, 1996 to 2025 (23.3%)	15.9	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado, hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Descriptor scale used in this packet (defined per unit)

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

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	33	30	1.1
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	62	30	2.07
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	28	30	0.933
Tornado	EF0-1	1996 to 2025	38	30	1.27
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	3	30	0.1

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.

SOURCE

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts rated of all	Risk score min NRI score, 0 to 100	Median	Max	Tracts by rating	Note
Avalanche	0 of 17				Not Applicable 17	
Coastal Flooding	15 of 17	78.0	89.0	99.8	Very High 1, Relatively High 4, Relatively Moderate 3, Relatively Low 7, No Rating 2	
Cold Wave	17 of 17	40.5	55.8	75.1	Relatively Moderate 16, Relatively Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	3 of 17	87.0	94.4	96.4	Relatively Moderate 2, Relatively Low 1, No Rating 14	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	17 of 17	14.1	28.8	38.8	Very Low 17	
Hail	17 of 17	47.1	62.4	77.3	Relatively Moderate 5, Relatively Low 12	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	17 of 17	43.5	64.7	84.7	Relatively High 1, Relatively Moderate 14, Relatively Low 2	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	17 of 17	91.7	95.7	97.9	Very High 2, Relatively High 15	
Ice Storm	17 of 17	2.1	22.5	55.9	Relatively Low 7, Very Low 10	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	17 of 17	24.3	53.0	77.4	Relatively Moderate 9, Relatively Low 8	
Landslide	17 of 17	8.6	33.6	72.2	Very Low 17	
Lightning	17 of 17	79.8	93.4	98.9	Very High 8, Relatively High 9	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	17 of 17	26.9	50.6	74.3	Relatively Moderate 5, Relatively Low 12	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	17 of 17	51.7	69.3	88.5	Relatively High 5, Relatively Moderate 11, Relatively Low 1	
Tsunami	0 of 17				Insufficient Data 17	
Volcanic Activity	0 of 17				Not Applicable 17	
Wildfire	17 of 17	47.7	91.9	97.3	Relatively High 2, Relatively Moderate 9, Relatively Low 5, Very Low 1	
Winter Weather	17 of 17	30.5	41.3	55.8	Relatively Moderate 4, Relatively Low 13	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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.

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Hancock County (unincorporated area)	Unincorporated	Approved, expires 2029-02-21	FMA RL 95, SRL 110; any 602	\$93,142,726.43	0; 0	Includes \$76,847.88 for declarations not counted as hazard incidents (DR-4528-MS).
Bay St. Louis city	City	Approved, expires 2029-02-21	FMA RL 23, SRL 50; any 178	\$91,166,900.54	21; 3	Includes \$21,723.12 for declarations not counted as hazard incidents (DR-4528-MS).
Diamondhead city	City	Approved, expires 2029-02-21	FMA RL 0, SRL 3; any 10	\$2,247,288.54	1; 0	
Waveland city	City	Approved, expires 2029-02-21	FMA RL 9, SRL 12; any 43	\$138,021,008.12	35; 3	Includes \$4,130.89 for declarations not counted as hazard incidents (DR-4528-MS).

Member 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 member row, while the county table counts only its part in this county.

School districts and special districts get a plan clock row only.

SOURCES
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B2-a and B2-b: assets and impacts

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

- Critical facilities and lifelines per hazard
 - A problem statement per participant 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

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-02-22 <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
Avalanche											Not Applicable in NRI for this county
Coastal Flooding	\$5,435,960,840		24,109	\$2,967,362		\$284,721	0.0546%		\$10,000		
Cold Wave	\$9,409,088,730	\$5,767,407	46,025	\$8,853	\$225	\$1,124,871	under 0.0001%		\$0		
Drought		\$1,137,781			\$168,295		14.8% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$15,621,061,141		46,053	\$114,398		\$42,748	0.000732%				
Hail	\$9,409,088,730	\$5,767,407	46,025	\$210,852	\$40	\$40,226	0.00224%	\$0			
Heat Wave	\$9,409,088,730	\$5,767,407	46,025	\$168	\$22	\$1,062,514	under 0.0001%		\$0		
Hurricane	\$9,409,088,730	\$5,767,407	46,025	\$16,765,269	\$52,995	\$1,237,589	0.178%		\$5,000	none found (1 declaration)	
Ice Storm	\$9,378,525,677		45,826	\$26,163		\$9,411	0.000279%				
Inland Flooding	\$9,368,800,066	\$241,490	16,997	\$8,986,314	\$52	\$107,911	n/a (see note)	\$0		none found (2 declarations)	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. EAL as % of exposure: n/a.
Landslide	\$19,210,714		84	\$67		\$2	0.00035%				
Lightning	\$9,409,088,730		46,025	\$21,236		\$978,571	0.000226%	\$100,000			
Strong Wind	\$9,409,088,730	\$5,767,407	46,025	\$18,908	\$73	\$254,902	0.000201%	\$23,000		none found (1 declaration)	
Tornado	\$9,409,088,730	\$5,767,407	46,025	\$889,974	\$295	\$1,677,466	0.00946%	\$130,000		none found (1 declaration)	
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$1,467,721,688	\$2,613,009	11,311	\$1,020,535	\$145	\$121,460	0.0695%				

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-02-22 <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
Winter Weather	\$9,409,088,730	\$5,767,407	46,025	\$7,958	\$3	\$20,967	under 0.0001%		\$0	none found (2 declarations)	

Totals since 2024-02-22 (Storm Events through 2026-06-30): 45 county-coded records, 45 with a damage value recorded (including \$0), \$253,000; 10 zone-level records, 10 with a damage value recorded (including \$0), \$15,000 reported for the zone; Public Assistance on counted declarations none found (4 declarations, 0 with PA).

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

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 must not be added up; the unit total counts each declaration once.

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

Measure	Value
Population	46,025
Building value (total, not at risk)	\$9,409,088,730
Agriculture value (total, not at risk)	\$5,767,407
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$31,260,199
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)	\$6,963,359
Social vulnerability rating	Relatively High
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	127	Severe repetitive loss, FMA definition (44 CFR 77.2)	175
Repetitive loss, NFIP insurance definition	722	Severe repetitive loss, NFIP insurance definition	93

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties: county and state-level rows

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	127	175	722	93	833	89	401
DIAMONDHEAD, CITY OF	0	3	9	3	10	0	10
BAY ST. LOUIS, CITY OF	23	50	149	23	178	31	132
HANCOCK COUNTY*	95	110	531	62	602	57	236
WAVELAND, CITY OF	9	12	33	5	43	1	23
State level, not in this county: county not reported	1	1	4	1	4	0	3

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties by plan member (NFIP community)

Member	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>	Note
Hancock County (unincorporated area)	285254	95	110	531	62	602	57	236	
Bay St. Louis city	285251	23	50	149	23	178	31	132	
Diamondhead city	280244	0	3	9	3	10	0	10	
Waveland city	285262	9	12	33	5	43	1	23	

Per-member types: XLSX sheet 'B2-c Members'.

Member 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 member row, while the county table counts only its part in this county.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

County repeat-flood properties by occupancy group

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	124	166	666	86	774	87	385
2 to 4 unit residential	1	1	6	1	6	0	3
other residential	0	0	19	0	19	0	1
non-residential	2	8	31	6	34	2	12
not reported	0	0	0	0	0	0	0

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

In this county 59 properties are FMA repetitive loss but not NFIP repetitive loss, and 654 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Every table above lists its own sources. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <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 2026-09-28, 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 2026-09-28, <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 2026-09-28, <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 2026-09-28, 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_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_Gazetteer/2024_Gaz_elsd_national.zip

gazetteer/2024_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

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).

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.

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). Hancock County, MS: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 28045). Preview: automated baseline. 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: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_MS_28045. Preview: automated baseline.