

Shelby County, AL

Risk-assessment baseline packet

County FIPS: 01117 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 2027-06-12. Plan: Shelby County (FEMA plan 108336), approved 2022-06-13.

Since the plan was approved on 2022-06-13: 1 new hazard declaration (1 incident) and 100 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 (\$55,597,187 a year), Tornado (\$32,038,051) and Cold Wave (\$6,717,134).

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; 01117 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 2022-06-13), page 2
- 4. B1-a: hazard identification, page 4
- 5. B1-b: hazard location, page 5
- 6. B1-c: hazard extent, page 6
- 7. B1-d: previous occurrences, page 8
- 8. B1-e: probability of future events, page 13
- 9. B1-f: hazards that vary across jurisdictions, page 15
- 10. B2-a and B2-b: vulnerability and potential impacts, page 18
- 11. B2-a: vulnerability (county context), page 20
- 12. B2-c: repetitive loss properties, page 20
- 13. Sources, what the plan adds, disclaimer and citation, page 22

Plan clock

Status:	Approved, expires 2027-06-12	Plan:	Shelby County (FEMA plan 108336)
Approved:	2022-06-13	Days to expiry:	255
Update underway:	none recorded in FEMA's plan tracker		

What changed since your last plan (approved 2022-06-13)

New federal declarations:	1 new hazard declaration (1 incident): EM-3618-AL (Hurricane Helene)	Storm Events records since approval:	100 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 13, SRL 52 (44 CFR 77.2); any definition: 125	Repeat-flood change:	this release sets the baseline count.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for every jurisdiction listed in this county: 17 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry negative = days since expiry	Notes
Shelby County (unincorporated area)	Unincorporated	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Alabaster city	City	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Birmingham city	City	Approved, expires 2031-05-12	Division G (FEMA plan 111630)	2026-05-13	2031-05-12	1,685	this jurisdiction approved 2026-06-16
Calera city	City	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Chelsea city	City	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Columbiana city	City	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Harpersville town	Town	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Helena city	City	Approved, expires 2031-05-12	Division G (FEMA plan 111630)	2026-05-13	2031-05-12	1,685	Also approved under plan 108336 (Shelby County, expires 2027-06-12). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. this jurisdiction approved 2026-06-15
Hoover city	City	Approved, expires 2031-05-12	Division G (FEMA plan 111630)	2026-05-13	2031-05-12	1,685	
Indian Springs Village city	Town	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Montevallo city	City	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Pelham city	City	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Vestavia Hills city	City	Approved, expires 2031-05-12	Division G (FEMA plan 111630)	2026-05-13	2031-05-12	1,685	this jurisdiction approved 2026-05-27
Vincent town	Town	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Westover town	Town	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Wilsonville town	Town	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	
Wilton town	Town	Approved, expires 2027-06-12	Shelby County (FEMA plan 108336)	2022-06-13	2027-06-12	255	

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 Moderate	Relatively Moderate	\$53,536,639	\$7,898	\$2,052,649	\$55,597,187	77	
2	Tornado	Relatively High	Relatively High	\$14,688,623	\$1,341	\$17,348,089	\$32,038,051	36	
3	Cold Wave	Relatively Moderate	Relatively High	\$29,643	\$9,600	\$6,677,891	\$6,717,134	7	Includes 2 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
4	Heat Wave	Relatively Moderate	Relatively Moderate	\$248	\$8,971	\$3,335,220	\$3,344,439	10	
5	Earthquake	Relatively Low	Relatively Moderate	\$2,577,398	n/a	\$679,565	\$3,256,963		Storm Events does not record earthquakes.
6	Lightning	Relatively High	Relatively High	\$90,488	n/a	\$1,542,852	\$1,633,339	13	
7	Strong Wind	Relatively Moderate	Relatively Moderate	\$141,785	\$2,688	\$1,363,963	\$1,508,437	338	Includes 5 High Wind and 13 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
8	Hurricane	Relatively Low	Relatively Low	\$432,300	\$22,055	\$24,051	\$478,406	7	Includes 3 Tropical Depression records (outside NRI's Hurricane definition).
9	Hail	Relatively Low	Relatively Low	\$387,947	\$6,218	\$3,491	\$397,657	165	
10	Wildfire	Relatively Low	Relatively Low	\$256,854	\$40	\$44,768	\$301,662	0	Declared 1 time; no Storm Events record of this type.
11	Ice Storm	Relatively Moderate	Relatively Moderate	\$189,244	n/a	\$7,432	\$196,676	2	

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
12	Drought	Relatively Low	Relatively Low	n/a	\$166,488	n/a	\$166,488	51	
13	Landslide	Relatively Moderate	Relatively Low	\$88,770	n/a	\$13,915	\$102,684	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Winter Weather	Relatively Low	Relatively Low	\$15,535	\$59	\$20,019	\$35,612	18	

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 303.15 (Relatively Moderate, 79.5); tract 303.14 (Relatively Low, 74.6); tract 303.52 (Relatively Low, 74.2)
Hurricane	tract 301.02 (Relatively Low, 57.3); tract 303.15 (Relatively Low, 54.7); tract 307.04 (Relatively Low, 54.4)
Landslide	tract 302.15 (Relatively Moderate, 97.8); tract 306.15 (Relatively Moderate, 97.6); tract 307.04 (Relatively Moderate, 97.4)
Tornado	tract 303.30 (Very High, 99.5); tract 303.15 (Very High, 99.3); tract 303.52 (Very High, 99.3)
Wildfire	tract 307.04 (Relatively Moderate, 90.3); tract 307.03 (Relatively Moderate, 88.9); tract 301.02 (Relatively Low, 87.8)

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 303.15 is Census Tract 303.15). 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	5 records, 1996 to 2017 (5 zone-level)	2 days to 28 days (median 3 days); 5 with a recorded value	February 2017 (1 monthly summary record), zone-level	Cold/Wind Chill, 1996-03-07, property not reported; \$1,000,000 crops (zone total, 1996 dollars)	Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	2 records, 2007 (2 zone-level)		No crop damage reported in 2 records.		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	51 records, 2006 to 2025 (51 zone-level)	22 days to 519 days (median 62 days); 10 with a recorded value	519 days (about 17.0 months), 2007-03-27 to 2008-08-26, a run of 18 consecutive Storm Events drought records, zone-level		Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	196 records, 1955 to 2025	0.3 in to 4.5 in (median 1 in); 196 with a recorded value	4.5 in hail, 2003-05-02	Hail, 2002-03-30, \$400,000 property; \$0 crops (2002 dollars)	Event records naming jurisdictions in the plan: Alabaster city (18 records), Pelham city (12 records), Helena city (10 records), Chelsea city (9 records), Columbiana city (8 records), Montevallo city (8 records), Calera city (7 records), Vincent town (7 records), Harpersville town (4 records), Wilsonville town (4 records); and 2 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	10 records, 1996 to 2025 (10 zone-level)	1 day to 16 days (median 3 days); 6 with a recorded value	16 consecutive days, 2007-08-08 to 2007-08-23, zone-level		Countywide (zone-level records).	Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	7 records, 2005 to 2020 (7 zone-level)		Strongest recorded: Tropical Storm record, 2005-08-29 to 2005-08-30, \$3,000,000 property; crops not reported (2005 dollars); NWS zone ALZ025		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)	2 records, 1998 to 2011 (2 zone-level)		No damage reported in 2 records.		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	77 records, 1996 to 2026 (1 zone-level)		Flood, 2010-03-10, \$500,000 property; \$0 crops (2010 dollars)		Event records naming jurisdictions in the plan: Columbiana city (4 records), Alabaster city (3 records), Pelham city (3 records), Helena city (2 records), Wilsonville town (2 records), Chelsea city (1 record), Harpersville town (1 record), Montevallo city (1 record), Wilton town (1 record). Zone-level records (1) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	13 records, 1998 to 2024		Lightning, 2018-06-25, \$300,000 property; \$0 crops (2018 dollars)		Event records naming jurisdictions in the plan: Helena city (3 records), Pelham city (2 records), Alabaster city (1 record), Calera 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)	18 records, 1998 to 2025 (18 zone-level)	30 kt (35 mph) to 62 kt (71 mph) (median 42 kt (48 mph)); 18 with a recorded value	62 kt (71 mph) estimated gust, High Wind, 2004-09-16; NWS zone ALZ025		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	409 records, 1965 to 2026	35 kt (40 mph) to 69 kt (79 mph) (median 50 kt (58 mph)); 322 with a recorded value	69 kt (79 mph), measurement type not recorded, Thunderstorm Wind, 1989-11-15	Thunderstorm Wind, 1998-03-19, \$380,000 property; \$0 crops (1998 dollars)	Event records naming jurisdictions in the plan: Columbiana city (22 records), Pelham city (19 records), Calera city (17 records), Alabaster city (16 records), Helena city (16 records), Wilsonville town (13 records), Montevallo city (12 records), Vincent town (12 records), Harpersville town (11 records), Westover town (11 records); and 2 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	52 records, 1957 to 2025	F/EF0 to F/EF4 (median F/EF1); 52 with a recorded value	F4 tornado, 1973-05-27, 30.2 mi path length (whole path, pre-1996), 800 yd wide, \$25,000,000 property; crops not recorded (1973 dollars), 1 direct death, 63 direct injuries		Event records naming jurisdictions in the plan: Columbiana city (3 records), Wilsonville town (3 records), Alabaster city (2 records), Helena city (2 records), Vincent town (2 records), Calera city (1 record), Harpersville town (1 record), Montevallo city (1 record), Pelham city (1 record), Wilton town (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	18 records, 1996 to 2026 (18 zone-level)		Winter Storm, 1996-02-01, \$15,000 property; crops not reported (1996 dollars); NWS zone ALZ025	Winter Storm, 2000-01-28, \$15,000 property; \$0 crops (zone total, 2000 dollars)	Countywide (zone-level records).	

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

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

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

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

A monthly summary record covers most or all of a month; it does not count days at wave conditions.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 26 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
2024-09-26	2024-09-22	EM-3618-AL	Emergency	Hurricane Helene	Hurricane (primary); also designated: Tornado	no Public Assistance recorded	new since last plan; within last 5 years	
2021-12-21	2021-10-06	DR-4632-AL	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county	in the 12 months before plan approval; within last 5 years	
2021-04-26	2021-03-25	DR-4596-AL	Major disaster	Severe Storms, Straight- Line Winds, and Tornadoes	Strong Wind; Tornado	\$1,523,017.01		
2020-09-14	2020-09-14	EM-3545-AL	Emergency	Hurricane Sally	Hurricane	no Public Assistance recorded		
2020-03-29	2020-01-20	DR-4503-AL	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$349,851.75		
2020-03-13	2020-01-20	EM-3472-AL	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4503
2017-10-08	2017-10-06	EM-3394-AL	Emergency	Hurricane Nate	Hurricane	no Public Assistance recorded		
2017-09-11	2017-09-08	EM-3389-AL	Emergency	Hurricane Irma	Hurricane	no Public Assistance recorded		
2011-04-28	2011-04-15	DR-1971-AL	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	Inland Flooding; Strong Wind; Tornado	\$74,243.40		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2011-04-27	2011-04-27	EM-3319-AL	Emergency	Severe Storms, Tornadoes, and Straight-Line Winds	Strong Wind; Tornado	no Public Assistance recorded		same incident as DR-1971
2008-08-30	2008-08-29	EM-3292-AL	Emergency	Hurricane Gustav	Hurricane	no Public Assistance recorded		
2005-09-10	2005-08-29	EM-3237-AL	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2005-07-10	2005-07-10	DR-1593-AL	Major disaster	Hurricane Dennis	Hurricane	\$144,020.25		
2004-09-15	2004-09-13	DR-1549-AL	Major disaster	Hurricane Ivan	Hurricane	\$629,261.64		
2003-05-12	2003-05-05	DR-1466-AL	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$6,847.95		FEMA's declaration record does not list Public Assistance, but FEMA's PA project summaries show obligations for this county
2002-11-14	2002-11-05	DR-1442-AL	Major disaster	Severe Storms and Tornadoes	Tornado	PA not declared for this county		
1999-09-18	1999-09-17	FM-2278-AL	Fire management	AI - Chelsea Fire - 09/18/99	Wildfire	no Public Assistance recorded		
1994-03-30	1994-03-27	DR-1019-AL	Major disaster	Severe Storms, Tornado, and Flooding	Inland Flooding; Tornado	no Public Assistance recorded		
1993-03-15	1993-03-13	EM-3096-AL	Emergency	Severe Snowfall, Winter Storm	Winter Weather	no Public Assistance recorded		
1990-02-17	1990-02-03	DR-856-AL	Major disaster	Severe Storms, Tornadoes & Flooding	Inland Flooding; Tornado	no Public Assistance recorded		
1983-12-13	1983-12-02	DR-695-AL	Major disaster	Severe Storms,Flooding and Tornadoes	Inland Flooding; Tornado	PA not declared for this county		
1979-04-18	1979-04-18	DR-578-AL	Major disaster	Storms, Wind, Flooding	Inland Flooding	PA not declared for this county		
1977-07-20	1977-07-20	EM-3045-AL	Emergency	Drought	Drought	no Public Assistance recorded		
1975-03-14	1975-03-14	DR-458-AL	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1975-01-18	1975-01-18	EM-3007-AL	Emergency	Tornadoes	Tornado	no Public Assistance recorded		
1973-05-29	1973-05-29	DR-388-AL	Major disaster	Severe Storms & 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
1961-02-27	1961-02-27	DR-109-AL	Major disaster	Floods	Inland Flooding

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

Public Assistance filed under this county for declarations that do not list it: 3 rows, \$176,549.61

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-1836-AL	2009-05-08	Severe Storms, Flooding, Tornadoes, and Straight-Line Winds	Hoover, City of	\$10,879.44
DR-1605-AL	2005-08-29	Hurricane Katrina	Hoover, City of	\$135,849.04
DR-1362-AL	2001-03-05	Severe Storms and Flooding	Hoover, City of	\$29,821.13

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

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	7	0	0	0	0	0	1996 to 2026-06-30	Includes 2 Frost/Freeze records.
Drought	51	7	0	7	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	196	10	1	11	0	0	1955 to 2026-06-30	
Heat Wave	10	3	0	3	0	0	1996 to 2026-06-30	
Hurricane	7	0	0	0	7	1	1996 to 2026-06-30	Includes 3 Tropical Depression records.
Ice Storm	2	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	77	9	9	15	9	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

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
Lightning	13	2	0	2	0	0	1996 to 2026-06-30	
Strong Wind	427	63	4	64	2	0	1955 to 2026-06-30	Includes 5 High Wind and 13 Strong Wind records.
Tornado	52	3	5	8	9	1	1950 to 2026-06-30	
Wildfire	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Winter Weather	18	3	0	3	1	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2021-10-06	Flash Flood		\$0 property; \$0 crops (2021 dollars)	2, 0	ELVIRA	in the 12 months before plan approval; within last 5 years	deaths or injuries recorded
2018-06-25	Lightning		\$300,000 property; \$0 crops (2018 dollars)	0, 0	SAGINAW		B1-c worst recorded: Lightning
2017-02-01	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2017 dollars)	0, 0	NWS zone ALZ025 (SHELBY), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2010-03-10	Flood		\$500,000 property; \$0 crops (2010 dollars)	0, 0	ELVIRA to ALDRICH		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2007-08-08	Heat		\$0 property; \$0 crops (zone total, 2007 dollars)	0, 19	NWS zone ALZ025 (SHELBY), zone-level		B1-c worst recorded: Excessive Heat, Heat
2007-03-27	Drought		\$0 property; crops not reported (zone total, 2007 dollars)	0, 0	NWS zone ALZ025 (SHELBY), zone-level		B1-c worst recorded: Drought
2005-08-29	Tropical Storm		\$3,000,000 property; crops not reported (zone total, 2005 dollars)	0, 0	NWS zone ALZ025 (SHELBY), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2004-09-16	High Wind	62 kt (71 mph) estimated gust	\$1,200,000 property; \$0 crops (zone total, 2004 dollars)	0, 0	NWS zone ALZ025 (SHELBY), zone-level		B1-c worst recorded: High Wind and Strong Wind
2003-05-02	Hail	4.5 in	\$250,000 property; \$0 crops (2003 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Hail
1989-11-15	Thunderstorm Wind	69 kt (79 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1973-05-27	Tornado	F4, 30.2 mi path length (whole path, pre-1996), 800 yd wide	\$25,000,000 property; crops not recorded (1973 dollars)	1, 63	location not recorded		deaths or injuries recorded
1964-01-24	Tornado	F4, 3.3 mi path length (whole path, pre-1996), 100 yd wide	\$250,000 property; crops not recorded (1964 dollars)	10, 6	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (860 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	0.579	event-days per year	about 0.579 days per year	Likely	Storm Events event- days in 4 of 30 years, 1996 to 2025 (13.3%)	11	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	31	event-days per year	about 31 days per year	Likely	Storm Events event- days in 12 of 30 years, 1996 to 2025 (40%)	1,022	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.00235	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.235%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	3.7	events per year	about 3.7 per year	Highly likely	FEMA annualized frequency (modeled)	140.6 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	7.74	event-days per year	about 7.74 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	126	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0587	events per year	about 1 in 17 years	Possible	FEMA annualized frequency (modeled)	24	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	0.409	event-days per year	about 0.409 days per year	Possible	Storm Events event- days in 2 of 30 years, 1996 to 2025 (6.67%)	28	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.86	event-days per year	about 1.86 days per year	Likely	Storm Events event- days in 22 of 30 years, 1996 to 2025 (73.3%)	52	1996 to 2023 (28 years)	see B1-f	
Landslide	1.22	events per year (modeled)	about 1.22 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	70.5	days per year with a strike	about 70.5 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	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
Strong Wind	1.88	events per year	about 1.88 per year	Highly likely	FEMA annualized frequency (modeled)	72	1986 to 2023 (38 years)	countywide	
Tornado	0.807	events per year	about 0.81 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00127	annual probability at a location	chance a given location in the county burns in a year: 0.127%		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	2.79	event-days per year	about 2.79 days per year	Likely	Storm Events event- days in 13 of 30 years, 1996 to 2025 (43.3%)	53	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	78	30	2.6
Hail	2.00 in+	1996 to 2025	4	30	0.133
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	287	30	9.57
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	7	30	0.233
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	11	30	0.367
Tornado	EF0-1	1996 to 2025	34	30	1.13
Tornado	EF2-3	1996 to 2025	2	30	0.0667
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	55 of 55	16.0	70.0	84.9	Relatively High 11, Relatively Moderate 39, Relatively Low 3, Very Low 2
Drought	11 of 55	72.3	84.6	95.7	Relatively Moderate 2, Relatively Low 7, Very Low 2, No Rating 44
Earthquake	55 of 55	2.4	61.5	79.5	Relatively Moderate 1, Relatively Low 47, Very Low 7
Hail	55 of 55	1.2	47.1	65.0	Relatively Low 47, Very Low 8
Heat Wave	55 of 55	1.8	62.3	81.5	Relatively Moderate 36, Relatively Low 17, Very Low 2
Hurricane	55 of 55	14.9	51.1	57.3	Relatively Low 26, Very Low 29
Ice Storm	55 of 55	0.3	36.0	64.2	Relatively Low 35, Very Low 20
Inland Flooding	55 of 55	0.2	64.7	98.2	Very High 3, Relatively High 14, Relatively Moderate 18, Relatively Low 16, Very Low 4
Landslide	55 of 55	45.3	89.6	97.8	Relatively Moderate 8, Relatively Low 35, Very Low 12
Lightning	55 of 55	0.4	77.1	92.9	Relatively High 26, Relatively Moderate 24, Relatively Low 3, Very Low 2
Strong Wind	55 of 55	0.7	58.7	81.2	Relatively Moderate 32, Relatively Low 21, Very Low 2

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	55 of 55	4.3	95.5	99.5	Very High 34, Relatively High 17, Relatively Moderate 2, Very Low 2
Wildfire	55 of 55	22.5	75.5	90.3	Relatively Moderate 2, Relatively Low 36, Very Low 17
Winter Weather	55 of 55	10.7	26.2	33.9	Relatively Low 53, Very Low 2

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 <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Shelby County (unincorporated area)	Unincorporated	Approved, expires 2027-06-12	FMA RL 1, SRL 1; any 11	\$1,098,616.19	0 total; 0 since its plan	Includes \$309,313.43 for declarations not counted as hazard incidents (DR-4503-AL).
Alabaster city	City	Approved, expires 2027-06-12	FMA RL 0, SRL 4; any 7	\$111,185.84	40 total; 3 since its plan	
Birmingham city	City	Approved, expires 2031-05-12	FMA RL 4, SRL 11; any 106	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Jefferson County and Walker County, plus 1 property with no county in FEMA's file; none of its repeat-flood properties are in this county.
Calera city	City	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	\$58,035.08	26 total; 3 since its plan	
Chelsea city	City	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	\$2,619	20 total; 1 since its plan	
Columbiana city	City	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	\$171,435.25	37 total; 6 since its plan	
Harpersville town	Town	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	\$1,031.78	17 total; 3 since its plan	
Helena city	City	Approved, expires 2031-05-12	FMA RL 0, SRL 0; any 2	\$177,629.93	33 total; 1 since its plan	Also approved under plan 108336 (Shelby County, expires 2027-06-12). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last.
Hoover city	City	Approved, expires 2031-05-12	FMA RL 0, SRL 5; any 19	\$541,361.90	1 total; 0 since its plan	Whole community, including the part in Jefferson County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Indian Springs Village city	Town	Approved, expires 2027-06-12	FMA RL 0, SRL 1; any 3	no Public Assistance recorded	0 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Montevallo city	City	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 1	\$13,677.05	22 total; 2 since its plan	
Pelham city	City	Approved, expires 2027-06-12	FMA RL 12, SRL 46; any 99	\$285,738.17	37 total; 0 since its plan	
Vestavia Hills city	City	Approved, expires 2031-05-12	FMA RL 1, SRL 2; any 16	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Jefferson County; none of its repeat-flood properties are in this county.
Vincent town	Town	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	21 total; 4 since its plan	
Westover town	Town	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	14 total; 0 since its plan	
Wilsonville town	Town	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	22 total; 3 since its plan	
Wilton town	Town	Approved, expires 2027-06-12	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	3 total; 0 since its plan	

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

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 2022-06-13 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Cold Wave	\$47,385,167,379	\$21,303,381	222,782	\$29,643	\$9,600	\$6,677,891	under 0.0001%				
Drought	n/a	\$15,730,110	n/a	n/a	\$166,488	n/a	1.06% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$79,716,468,622	n/a	223,024	\$2,577,398	n/a	\$679,565	0.00323%				
Hail	\$47,385,167,379	\$21,303,381	222,782	\$387,947	\$6,218	\$3,491	0.000819%	\$0			
Heat Wave	\$47,385,167,379	\$21,303,381	222,782	\$248	\$8,971	\$3,335,220	under 0.0001%		\$0		
Hurricane	\$47,385,167,379	\$21,303,381	222,782	\$432,300	\$22,055	\$24,051	0.000912%			no Public Assistance recorded (1 declaration)	
Ice Storm	\$47,383,472,599	n/a	222,773	\$189,244	n/a	\$7,432	0.000399%				

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 2022-06-13 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Inland Flooding	\$47,316,601,491	\$3,659,166	4,519	\$53,536,639	\$7,898	\$2,052,649	n/a (see note)	\$0			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	\$3,573,516,433	n/a	16,799	\$88,770	n/a	\$13,915	0.00248%				
Lightning	\$47,385,167,379	n/a	222,782	\$90,488	n/a	\$1,542,852	0.000191%	\$25,000			
Strong Wind	\$47,385,167,379	\$21,303,381	222,782	\$141,785	\$2,688	\$1,363,963	0.000299%	\$30,500	\$1,000		Storm Events damage since the plan includes 1 zone-level Strong Wind record (\$1,000): a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition.
Tornado	\$47,385,167,379	\$21,303,381	222,782	\$14,688,623	\$1,341	\$17,348,089	0.031%	\$0		no Public Assistance recorded (1 declaration)	
Wildfire	\$6,599,363,496	\$3,527,164	38,006	\$256,854	\$40	\$44,768	0.00389%				
Winter Weather	\$47,385,167,379	\$21,303,381	222,782	\$15,535	\$59	\$20,019	under 0.0001%		\$0		

Totals since 2022-06-13 (Storm Events through 2026-06-30): 83 county-coded records, 83 with a damage value recorded (including \$0), \$55,500; 17 zone-level records, 14 with a damage value recorded (including \$0), \$1,000 reported for the zone; Public Assistance: none recorded on the 1 counted declaration.

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	222,782
Building value (total, not at risk)	\$47,385,167,379
Agriculture value (total, not at risk)	\$21,303,381
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$72,660,832
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)	\$33,113,905
Social vulnerability rating	Very Low
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	13	Severe repetitive loss, FMA definition (44 CFR 77.2)	52
Repetitive loss, NFIP insurance definition	124	Severe repetitive loss, NFIP insurance definition	51

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	13	52	124	51	125	0	39
of which: Hoover city	0	0	1	0	1	0	0
of which: Leeds city (plan jurisdiction listed on the Jefferson County page)	0	0	1	0	1	0	0
of which: Shelby County (unincorporated area)	1	1	11	1	11	0	4
of which: Alabaster city	0	4	7	3	7	0	3
of which: Pelham city	12	46	98	46	99	0	31
of which: Helena city	0	0	2	0	2	0	1
of which: Montevallo city	0	0	1	0	1	0	0
of which: Indian Springs Village town	0	1	3	1	3	0	0
Statewide, no county in FEMA's file	0	0	3	0	3	0	0

1 of the county's repeat-flood properties belong to NFIP communities whose plan jurisdiction is not listed on this page (the community rows above name the page that lists it).

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>	Note
Shelby County (unincorporated area)	010191	1	1	11	1	11	0	4	
Alabaster city	010192	0	4	7	3	7	0	3	
Birmingham city	010116	4	11	103	10	106	2	22	Whole community, including the part in Jefferson County and Walker County, plus 1 property with no county in FEMA's file; none of its repeat-flood properties are in this county.
Calera city	010373	0	0	0	0	0	0	0	
Chelsea city	010432	0	0	0	0	0	0	0	
Columbiana city	010449	0	0	0	0	0	0	0	
Harpersville town	010293	0	0	0	0	0	0	0	
Helena city	010294	0	0	2	0	2	0	1	
Hoover city	010123	0	5	19	5	19	1	7	Whole community, including the part in Jefferson County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 1, NFIP SRL 0, any category 1.
Indian Springs Village city	010430	0	1	3	1	3	0	0	
Montevallo city	010349	0	0	1	0	1	0	0	
Pelham city	010193	12	46	98	46	99	0	31	

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>	Note
Vestavia Hills city	010132	1	2	15	2	16	0	7	Whole community, including the part in Jefferson County; none of its repeat-flood properties are in this county.
Vincent town	010292	0	0	0	0	0	0	0	
Westover town	010451	0	0	0	0	0	0	0	
Wilsonville town	010404	0	0	0	0	0	0	0	
Wilton town	010405	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	12	46	110	45	111	0	36
2 to 4 unit residential	0	2	3	2	3	0	0
other residential	0	0	1	0	1	0	0
non-residential	1	4	10	4	10	0	3
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 111 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_Gaz_cousubs_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_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). Shelby County, AL: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 01117). Automated baseline. <https://hazardplain.org/al/01117/> 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