

Baltimore County, MD

Risk-assessment baseline packet

Unit **County area 24005** 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 2027-01-17	Plan	Baltimore County Hazard Mitigation Plan (FEMA plan 107924)
Approved	2022-01-18	Expires	2027-01-17
As of	2026-09-28	Days	111 days to expiry
Update underway	FEMA tracker shows a plan in progress		

What changed since your last plan (approved 2022-01-18)

New federal declarations	EM-3634-MD (1 declaration row; 1 counted incident)	Storm Events records since approval	274 (data through 2026-06-30)
Repetitive loss now	FMA RL 13, SRL 19 (44 CFR 77.2); any definition: 184	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
Baltimore County	County	Approved, expires 2027-01-17	Baltimore County Hazard Mitigation Plan (FEMA plan 107924)	2022-01-18	2027-01-17	111	FEMA tracker shows a plan in progress	

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.

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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 <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
1	Inland Flooding	Relatively High	Relatively High	\$62,680,691	\$149,552	\$4,455,765	\$67,286,008	484		
2	Heat Wave	Relatively High	Relatively High	\$4	\$4,375	\$42,553,923	\$42,558,303	90		
3	Hurricane	Relatively Moderate	Relatively High	\$13,023,187	\$319,727	\$429,275	\$13,772,188	3		
4	Earthquake	Relatively Moderate	Relatively Moderate	\$5,993,532		\$2,401,322	\$8,394,854			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
5	Cold Wave	Relatively High	Relatively High	\$192,681	\$81,973	\$6,717,577	\$6,992,231	57		Includes 38 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
6	Tornado	Relatively Moderate	Relatively Moderate	\$3,543,971	\$1,217	\$737,826	\$4,283,015	21		
7	Strong Wind	Relatively High	Relatively High	\$1,230,346	\$50,029	\$2,203,365	\$3,483,740	624		Includes 23 High Wind records and 26 Strong Wind records, event types the NRI definition of this hazard leaves out.
8	Lightning	Very High	Very High	\$150,674		\$3,083,150	\$3,233,824	14		
9	Winter Weather	Very High	Very High	\$141,734	\$16	\$2,568,863	\$2,710,614	256		
10	Coastal Flooding	Relatively Moderate	Relatively Moderate	\$1,578,892		\$22,414	\$1,601,306	18		

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
11	Hail	Relatively Moderate	Relatively Moderate	\$1,280,220	\$26,734	\$48,951	\$1,355,905	136		
12	Drought	Relatively Moderate	Relatively Moderate		\$1,140,769		\$1,140,769	10		
13	Ice Storm	Relatively Moderate	Relatively Moderate	\$53,193		\$169,846	\$223,039	5		
14	Wildfire	Very Low	Very Low	\$23,454	\$2	\$3,290	\$26,747	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.
15	Landslide	Relatively Low	Relatively Low	\$8,696		\$472	\$9,168	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.
16	Avalanche	Very Low	Very Low	\$0		\$8	\$8	0		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 <i>rated of all tracts</i>
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.	1 of 219

Hazard	Location	Census tracts rated
		<i>rated of all tracts</i>
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.	46 of 219
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	219 of 219
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	45 of 219
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.	219 of 219
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	219 of 219
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	219 of 219
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.	219 of 219
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	219 of 219
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.	219 of 219
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.	212 of 219
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	219 of 219
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	219 of 219
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.	219 of 219
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 219
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 219
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.	213 of 219
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	219 of 219

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 <i>count, years</i>	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.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	18, 1996 to 2024 (16 zone-level)		Storm Surge/Tide, 1996-09-06, \$250,000 property; crops not reported (1996 dollars)		No event record names a member place. Zone-level records (16) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	19, 1998 to 2026 (19 zone-level)	1 day to 11 days (median 2 days); 17 with a recorded value	11 consecutive days, 2026-01-23 to 2026-02-02, 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	38, 1997 to 2021 (38 zone- level)		Frost/Freeze, 1997-04-10, \$30,000 crop damage, reported for the zone (1997 dollars); NWS zone MDZ006 (NORTHERN BALTIMORE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D- scale	10, 1997 to 2007 (10 zone- level)	30 days to 140 days (median 61.5 days); 4 with a recorded value	140 days (about 4.6 months), 1999-05-01 to 1999-09-17, a run of 5 consecutive Storm Events drought records, zone- level	Drought, 1997-07-01, property not reported; \$2,530,000 crops, reported for the zone (1997 dollars)	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)	146, 1963 to 2025	0.75 in to 4 in (median 1 in); 146 with a recorded value	4 in hail, 2015-06-23; same size also recorded on 1999-07-30	Hail, 1998-06-26, \$25,000 property; crops not reported (1998 dollars)	No event record names a member place.	
Excessive Heat, Heat	heat index (narratives)	90, 1996 to 2025 (90 zone- level)	1 day to 8 days (median 2 days); 61 with a recorded value	8 consecutive days, 2002-08-12 to 2002-08-19, 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. 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	3, 1999 to 2011 (3 zone- level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Tropical Storm record, 2003-09-18 to 2003-09-19, \$252,000,000 property; crops not reported, reported for the zone (2003 dollars); NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Ice Storm	Sperry-Piltz (local data)	5, 1996 to 2015 (5 zone- level)		Ice Storm, 1999-01-14, \$100,000 property; crops not reported, reported for the zone (1999 dollars); NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	484, 1996 to 2025 (8 zone- level)		Flash Flood, 2018-05-27, \$8,600,000 property; \$0 crops (2018 dollars)		No event record names a member place. Zone-level records (8) 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)	14, 1996 to 2022		Lightning, 2022-08-04, damage not reported, 1 direct death	Lightning, 2001-07-01, \$1,000,000 property; crops not reported (2001 dollars)	No event record names a member place.	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)	49, 1996 to 2025 (49 zone- level)	30 kt (35 mph) to 59 kt (68 mph) (median 50 kt (58 mph)); 31 with a recorded value	59 kt (68 mph) measured gust, High Wind, 2012-10-29, 2 direct injuries (reported for the zone); NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	646, 1957 to 2026	40 kt (46 mph) to 78 kt (90 mph) (median 52 kt (60 mph)); 568 with a recorded value	78 kt (90 mph) estimated gust, Thunderstorm Wind, 2019-05-29; same speed and measurement basis also recorded on 2010-11-17	Thunderstorm Wind, 2023-07-28, \$2,000,000 property; crops not reported (2023 dollars)	No event record names a member place.	Speeds under 20 kt (likely entry errors) are left out of the observed range.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	32, 1973 to 2025	F/EF0 to F/EF2 (median F/EF1); 31 with a recorded value	F2 tornado, 1990-10-18, 0.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 100 yd wide, \$25,000,000 property; crops not recorded (1990 dollars), 59 direct injuries		No event record names a member place.	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)	256, 1996 to 2026 (256 zone-level)		Winter Storm, 2003-02-14, \$1,500,000 property; crops not reported, reported for the zone (2003 dollars), 1 direct injury (reported for the zone); NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		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 rows

24

Counted incidents

19

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2026-01-24	2026-01-23	EM-3634-MD	Emergency	SEVERE WINTER STORM	Winter Weather	none found	new since last plan; within last 5 years	
2020-03-26	2020-01-20	DR-4491-MD	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$39,844,910.23		
2020-03-13	2020-01-20	EM-3430-MD	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4491
2018-07-02	2018-05-27	DR-4376-MD	Major disaster	SEVERE STORM AND FLOODING	Inland Flooding	\$5,386,932.16		
2016-03-04	2016-01-22	DR-4261-MD	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$10,288,091		
2014-04-10	2014-02-12	DR-4170-MD	Major disaster	SNOWSTORM	Winter Weather	\$2,613,161.44		
2012-11-20	2012-10-26	DR-4091-MD	Major disaster	HURRICANE SANDY	Hurricane	\$830,547.29		
2012-10-28	2012-10-26	EM-3349-MD	Emergency	HURRICANE SANDY	Hurricane	none found		same incident as DR-4091
2011-10-05	2011-09-06	DR-4038-MD	Major disaster	REMNANTS OF TROPICAL STORM LEE	Inland Flooding (primary); also designated: Hurricane	\$1,646,734.99		
2011-09-16	2011-08-24	DR-4034-MD	Major disaster	HURRICANE IRENE	Hurricane	\$1,698,372.09		
2011-08-27	2011-08-26	EM-3335-MD	Emergency	HURRICANE IRENE	Hurricane	none found		same incident as DR-4034
2010-05-06	2010-02-05	DR-1910-MD	Major disaster	SEVERE WINTER STORMS AND SNOWSTORMS	Winter Weather	\$3,749,072.55		
2010-02-19	2009-12-18	DR-1875-MD	Major disaster	SEVERE WINTER STORM AND SNOWSTORM	Winter Weather	\$2,852,954.76		
2005-09-13	2005-08-29	EM-3251-MD	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2003-09-19	2003-09-18	DR-1492-MD	Major disaster	HURRICANE ISABEL	Hurricane	\$2,349,950		
2003-03-14	2003-02-14	EM-3179-MD	Emergency	SNOW	Winter Weather	\$1,240,360.57		
2000-04-10	2000-01-25	DR-1324-MD	Major disaster	SEVERE WINTER STORM	Winter Weather	\$891,827.59		
1996-01-11	1996-01-06	DR-1081-MD	Major disaster	BLIZZARD OF 96 (SEVERE SNOW STORM)	Winter Weather	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1993-03-16	1993-03-13	EM-3100-MD	Emergency	SEVERE SNOWFALL & WINTER STORM	Winter Weather	none found		
1979-09-14	1979-09-14	DR-601-MD	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found		
1977-01-26	1977-01-26	DR-524-MD	Major disaster	ICE CONDITIONS	Winter Weather	PA not declared for this county		
1975-10-04	1975-10-04	DR-489-MD	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding	none found		
1972-06-23	1972-06-23	DR-341-MD	Major disaster	TROPICAL STORM AGNES	Inland Flooding (primary); also designated: Hurricane	none found		
1971-08-17	1971-08-17	DR-309-MD	Major disaster	SEVERE STORMS & 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
1962-03-09	1962-03-09	DR-127-MD	Major disaster	SEVERE STORMS, HIGH TIDES & FLOODING	Inland Flooding (primary); also designated: Coastal Flooding		

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: 1 row, \$112,415.86

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated	Why not placed
				<i>federal share obligated, nominal dollars</i>	
4491	2020-03-26	Board of Child Care of the United Methodist Church	Berkeley County	\$112,415.86	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 records	During plan review records	Last 5 years records	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	18	2	0	2	0	0	1996 to 2026-06-30	
Cold Wave	57	5	2	5	0	0	1996 to 2026-06-30	Includes 38 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
Drought	10	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	146	14	3	14	0	0	1955 to 2026-06-30	
Heat Wave	90	9	2	9	0	0	1996 to 2026-06-30	
Hurricane	3	0	0	0	5	0	1996 to 2026-06-30	
Ice Storm	5	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	484	84	32	84	6	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	14	1	1	1	0	0	1996 to 2026-06-30	
Strong Wind	695	123	55	124	0	0	1955 to 2026-06-30	Includes 23 High Wind records and 26 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	32	4	2	4	1	0	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	256	32	17	38	10	1	1996 to 2026-06-30	

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
2026-01-23	Extreme Cold/ Wind Chill		\$0 property; \$0 crops, reported for the zone (2026 dollars)	0, 0	NWS zone MDZ006 (NORTHERN BALTIMORE), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2022-08-04	Lightning		damage not reported	1, 0	CARNEY	new since last plan; within last 5 years	B1-c worst recorded: Lightning
2019-05-29	Thunderstorm Wind	78 kt (90 mph) estimated gust	damage not reported	0, 0	WHITE MARSH		B1-c worst recorded: Thunderstorm Wind
2018-07-16	Heat		damage not reported	3, 0	NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2018-07-03	Excessive Heat		damage not reported	8, 0	NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2018-05-27	Flash Flood		\$8,600,000 property; \$0 crops (2018 dollars)	0, 0	CHADWICK MANOR		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2012-10-29	High Wind	59 kt (68 mph) measured gust	\$7,120,000 property; \$0 crops, reported for the zone (2012 dollars)	0, 2	NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2003-09-18	Tropical Storm		\$252,000,000 property; crops not reported, reported for the zone (2003 dollars)	0, 0	NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2002-08-12	Heat		damage not reported	0, 0	NWS zone MDZ006 (NORTHERN BALTIMORE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2002-08-01	Heat		damage not reported	5, 0	NWS zone MDZ011 (SOUTHERN BALTIMORE), zone-level: may include parts of neighboring counties		deaths or injuries recorded
1997-04-10	Frost/Freeze		property not reported; \$30,000 crops, reported for the zone (1997 dollars)	0, 0	NWS zone MDZ006 (NORTHERN BALTIMORE), zone-level: may include parts of neighboring counties		B1-c worst recorded: Frost/ Freeze (outside NRI Cold Wave definition)

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
1990-10-18	Tornado	F2, 0.1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 100 yd wide	\$25,000,000 property; crops not recorded (1990 dollars)	0, 59	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (1,810 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.

FEMA's declaration data list no tribal or special-area declarations for this state.

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Coastal Flooding	3.69	events per year at a location (modeled)	about 3.7 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	1.57	event-days per year	about 1.57 days per year	Likely	event-days in 10 of 30 years, 1996 to 2025 (33.3%)	27.3	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 1.57 cold 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 10 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. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.

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
Drought	5.96	event-days per year	about 5.96 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	168	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 5.96 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 4 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	0.00132	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.132%			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	3.49	events per year	about 3.49 per year	Highly likely	FEMA annualized frequency (modeled)	146.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	5.39	event-days per year	about 5.39 days per year	Likely	event-days in 24 of 30 years, 1996 to 2025 (80%)	83.8	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.101	events per year	about 1 in 10 years	Likely	FEMA annualized frequency (modeled)	36	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	1.03	event-days per year	about 1.03 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	68	1946-12-31 to 2014-02-12 (67 years)	countywide	NRI gives about 1.03 ice storm event-days a year here (its annualized frequency over 67 years; not its event count divided by the years), but Storm Events has a record in only 5 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.
Inland Flooding	5.64	event-days per year	about 5.64 days per year	Likely	event-days in 26 of 30 years, 1996 to 2025 (86.7%)	158	1996 to 2023 (28 years)	see B1-f	
Landslide	0.395	events per year (modeled)	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	38.1	days per year with a strike	about 38.1 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	7.99	events per year	about 7.99 per year	Highly likely	FEMA annualized frequency (modeled)	303	1986 to 2023 (38 years)	countywide	
Tornado	0.501	events per year	about 0.5 per year	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	0.0000177	annual probability at a location	chance a given location in the county burns in a year: 0.00177%		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	12.5	event-days per year	about 12.5 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	217	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)
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/>

Descriptor scale used in this packet (defined per unit)

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year

Unit	Descriptor	Definition
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	92	30	3.07
Hail	2.00 in+	1996 to 2025	5	30	0.167
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	497	30	16.6
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	26	30	0.867
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	37	30	1.23
Tornado	EF0-1	1996 to 2025	21	30	0.7
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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	1 of 219	3.0	3.0	3.0	Very Low 1, Not Applicable 218	
Coastal Flooding	46 of 219	70.5	87.6	98.1	Relatively High 2, Relatively Moderate 17, Relatively Low 11, Very Low 16, No Rating 173	
Cold Wave	219 of 219	15.8	37.0	63.5	Relatively Moderate 35, Relatively Low 182, Very 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.
Drought	45 of 219	69.0	82.5	97.6	Relatively Moderate 8, Relatively Low 25, Very Low 12, No Rating 174	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	219 of 219	1.4	49.7	87.3	Relatively Moderate 4, Relatively Low 146, Very Low 69	
Hail	219 of 219	1.3	42.9	79.0	Relatively Moderate 3, Relatively Low 159, Very Low 57	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	219 of 219	1.5	89.9	97.0	Very High 3, Relatively High 153, Relatively Moderate 60, Relatively Low 1, Very 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	219 of 219	28.8	67.9	88.2	Relatively Moderate 25, Relatively Low 193, Very Low 1	
Ice Storm	219 of 219	0.1	11.5	38.6	Relatively Low 1, Very Low 218	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	219 of 219	0.2	12.2	92.7	Relatively High 3, Relatively Moderate 12, Relatively Low 76, Very Low 128	
Landslide	212 of 219	8.7	30.2	93.7	Relatively Low 12, Very Low 200, No Rating 7	
Lightning	219 of 219	0.2	54.3	86.7	Relatively High 10, Relatively Moderate 126, Relatively Low 81, Very 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.
Strong Wind	219 of 219	0.6	44.6	80.6	Relatively Moderate 48, Relatively Low 169, Very 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.
Tornado	219 of 219	0.8	28.2	59.9	Relatively Moderate 3, Relatively Low 92, Very Low 124	
Tsunami	0 of 219				Insufficient Data 219	
Volcanic Activity	0 of 219				Not Applicable 219	

Hazard	Tracts rated of all	Risk score min	Median	Max	Tracts by rating	Note
		<i>NRI score, 0 to 100</i>				
Wildfire	213 of 219	18.7	37.1	68.8	Relatively Low 1, Very Low 212, No Rating 6	
Winter Weather	219 of 219	10.8	83.8	97.1	Very High 2, Relatively High 143, Relatively Moderate 72, Relatively Low 1, Very 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.

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	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>			
Baltimore County	County	Approved, expires 2027-01-17	FMA RL 13, SRL 19; any 184	\$30,866,015.81	0; 0	Includes \$16,026,098.89 for declarations not counted as hazard incidents (DR-4491-MD).

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 2022-01-18 <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	\$0		under 1	\$0		\$8					building exposure is 0 in NRI
Coastal Flooding	\$3,605,498,286		15,778	\$1,578,892		\$22,414	0.0438%		\$0		
Cold Wave	\$161,232,669,669	\$86,944,544	854,450	\$192,681	\$81,973	\$6,717,577	0.00012%		\$0		
Drought		\$73,898,214			\$1,140,769		1.54% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$277,253,425,734		854,535	\$5,993,532		\$2,401,322	0.00216%				
Hail	\$161,232,669,669	\$86,944,544	854,450	\$1,280,220	\$26,734	\$48,951	0.000794%				
Heat Wave	\$161,232,669,669	\$86,944,544	854,450	\$4	\$4,375	\$42,553,923	under 0.0001%		\$0		
Hurricane	\$161,207,318,640	\$86,927,178	854,302	\$13,023,187	\$319,727	\$429,275	0.00808%				
Ice Storm	\$160,267,835,017		853,542	\$53,193		\$169,846	under 0.0001%				
Inland Flooding	\$161,120,765,688	\$2,669,643	10,846	\$62,680,691	\$149,552	\$4,455,765	n/a (see note)	\$500,000			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b. EAL as % of exposure: n/a.
Landslide	\$4,361,272,715		20,386	\$8,696		\$472	0.000199%				
Lightning	\$161,232,669,669		854,450	\$150,674		\$3,083,150	under 0.0001%				
Strong Wind	\$161,232,669,669	\$86,944,544	854,450	\$1,230,346	\$50,029	\$2,203,365	0.000763%	\$6,918,000	\$0		
Tornado	\$161,232,669,669	\$86,944,544	854,450	\$3,543,971	\$1,217	\$737,826	0.0022%	\$16,025,000			
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$18,922,183,623	\$14,720,560	113,652	\$23,454	\$2	\$3,290	0.000124%				

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 2022-01-18 <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	\$161,232,669,669	\$86,944,544	854,450	\$141,734	\$16	\$2,568,863	under 0.0001%		\$0	none found (1 declaration)	

Totals since 2022-01-18 (Storm Events through 2026-06-30): 223 county-coded records, 205 with a damage value recorded (including \$0), \$23,443,000; 51 zone-level records, 28 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance on counted declarations none found (1 declaration, 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	854,450
Building value (total, not at risk)	\$161,232,669,669
Agriculture value (total, not at risk)	\$86,944,544
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$91,675,671
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)	\$65,396,048
Social vulnerability rating	Relatively Low
Community resilience rating	Very 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)	13	Severe repetitive loss, FMA definition (44 CFR 77.2)	19
Repetitive loss, NFIP insurance definition	176	Severe repetitive loss, NFIP insurance definition	16

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 total and NFIP communities

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	19	176	16	184	3	81
BALTIMORE COUNTY*	13	19	176	16	184	3	81

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
Baltimore County	240010	13	19	176	16	184	3	81	

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	12	9	131	7	139	3	69
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	1	0	8	0	8	0	1
non-residential	0	10	37	9	37	0	11
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 6 properties are FMA repetitive loss but not NFIP repetitive loss, and 169 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)
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 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_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx
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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_MD_24005. Preview: automated baseline.