

Cochise County, AZ

Risk-assessment baseline packet

Unit **County area 04003** 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.

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Plan clock

Status	Approved, expires 2028-01-26	Plan	Cochise County (FEMA plan 108221)
Approved	2023-01-27	Expires	2028-01-26
As of	2026-09-28	Days	485 days to expiry

What changed since your last plan (approved 2023-01-27)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	169 (data through 2026-06-30)
Repetitive loss now	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 2	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
Cochise County	County	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-01-26
Benson city	City	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-04-13
Bisbee city	City	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-04-13
Douglas city	City	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-04-13
Huachuca City town	Town	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-04-13
Sierra Vista city	City	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-04-13

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Tombstone city	City	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-04-13
Willcox city	City	Approved, expires 2028-01-26	Cochise County (FEMA plan 108221)	2023-01-27	2028-01-26	485		member approved 2023-04-13

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 modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively Moderate	\$40,876,586	\$3,290	\$3,404,630	\$44,284,506	237		
2	Heat Wave	Relatively High	Relatively High	\$315	\$14,380	\$22,271,625	\$22,286,320	73		
3	Wildfire	Relatively High	Relatively High	\$18,270,112	\$2,655	\$1,165,144	\$19,437,911	45		
4	Lightning	Very High	Relatively High	\$15,747		\$1,761,429	\$1,777,175	15		
5	Drought	Relatively Moderate	Relatively Moderate		\$1,187,828		\$1,187,828	84		
6	Earthquake	Relatively Low	Relatively Low	\$771,547		\$243,500	\$1,015,046			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
7	Strong Wind	Relatively Moderate	Relatively Moderate	\$387,731	\$1,203	\$293,563	\$682,496	202		Includes 25 High Wind records and 9 Strong Wind records, event types the NRI definition of this hazard leaves out.
8	Tornado	Very Low	Very Low	\$34,607	\$219	\$15,162	\$49,988	7		
9	Hail	Very Low	Very Low	\$28,372	\$6,848	\$1,874	\$37,093	102		
10	Hurricane	Very Low	Very Low	\$10,230	\$3,735	under \$1	\$13,964	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
11	Winter Weather	Very Low	Relatively Low	\$2,132	under \$1	\$11,269	\$13,401	36		

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
12	Cold Wave	Very Low	Very Low	\$456	\$21	\$10,945	\$11,422	14		Includes 5 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
13	Landslide	Very Low	Very Low	\$976		\$387	\$1,363	1		
14	Avalanche	Very Low	Very Low	\$3		\$555	\$557	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Coastal Flooding	Not Applicable	Not Applicable					0	NRI rates coastal flooding 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).
	Ice Storm	Not Applicable	Not Applicable					0	NRI rates ice storm Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Not Applicable	Not Applicable					0	NRI rates tsunami 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.
	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.	15 of 38
Coastal Flooding	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 38
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	6 of 38
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 38

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
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.	38 of 38
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	38 of 38
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	38 of 38
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.	38 of 38
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	0 of 38
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.	38 of 38
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.	37 of 38
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	38 of 38
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	38 of 38
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.	38 of 38
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 38
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 38
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.	38 of 38
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	38 of 38

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)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	9, 2011 to 2025 (9 zone-level)	1 day to 2 days (median 1 day); 8 with a recorded value	2 consecutive days, 2022-02-02 to 2022-02-03, 1 direct death, zone-level	Cold/Wind Chill, 2023-02-16, \$5,000 property; \$0 crops, reported for the zone (2023 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	5, 2011 to 2023 (5 zone-level)		No crop damage reported in 5 records.	Frost/Freeze, 2011-02-02, \$1,000,000 property; \$0 crops, reported for the zone (2011 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	Temperature: 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
Drought	US Drought Monitor D-scale	84, 2011 to 2025 (84 zone-level)	36 days to 437 days (median 217 days); 9 with a recorded value	437 days (about 14.4 months), 2014-02-18 to 2015-04-30, a run of 16 consecutive Storm Events drought records, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	126, 1971 to 2026	0.5 in to 2 in (median 1 in); 126 with a recorded value	2 in hail, 2021-09-07; same size also recorded on 1988-10-16	Hail, 2024-08-21, \$100,000 property; \$0 crops (2024 dollars)	Event records naming member places: Sierra Vista city (24 records), Willcox city (9 records), Benson city (8 records), Douglas city (8 records), Bisbee city (3 records), Tombstone city (3 records).	
Excessive Heat, Heat	heat index (narratives)	73, 2011 to 2026 (73 zone-level)	1 day to 8 days (median 1 day); 63 with a recorded value	8 consecutive days, 2023-07-15 to 2023-07-22, 1 direct death, 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	0					Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	0					Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	237, 1996 to 2026		Flood, 2022-08-24, \$1,500,000 property; \$0 crops (2022 dollars)		Event records naming member places: Sierra Vista city (36 records), Bisbee city (18 records), Douglas city (17 records), Benson city (16 records), Willcox city (14 records), Tombstone city (6 records).	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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Debris Flow	none (count and damage)	1, 2012 to 2012		Debris Flow, 2012-08-17, \$10,000 property; \$0 crops (2012 dollars)		No event record names a member place.	Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	15, 1996 to 2023		Lightning, 2015-06-30, \$0 property; \$0 crops (2015 dollars), 1 direct death	Lightning, 2023-08-16, \$150,000 property; \$0 crops (2023 dollars)	Event records naming member places: Douglas city (3 records), Sierra Vista city (3 records), Benson city (2 records), Willcox city (1 record).	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)	34, 2011 to 2026 (34 zone-level)	30 kt (35 mph) to 76 kt (87 mph) (median 53.5 kt (62 mph)); 34 with a recorded value	76 kt (87 mph) measured gust, High Wind, 2014-11-05; NWS zone AZZ513 (DRAGOON/MULE/HUACHUCA AND SANTA RITA MOUNTAINS), zone-level: may include parts of neighboring counties	Strong Wind, 2011-05-09, \$11,200,000 property; \$0 crops, reported for the zone (2011 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	200, 1959 to 2025	30 kt (35 mph) to 87 kt (100 mph) (median 53 kt (61 mph)); 181 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1995-08-27	Thunderstorm Wind, 2010-08-24, \$1,000,000 property; \$0 crops (2010 dollars)	Event records naming member places: Sierra Vista city (19 records), Willcox city (14 records), Douglas city (12 records), Benson city (11 records), Bisbee city (4 records), Tombstone city (3 records).	
Tornado	Enhanced Fujita (F before Feb 2007)	18, 1956 to 2024	F/EF0 to F/EF1 (median F/EF0); 14 with a recorded value	EF1 tornado, 2019-09-23, 1.71 mi within this county, 580 yd wide, \$250,000 property; \$0 crops (2019 dollars), 5 direct injuries		Event records naming member places: Douglas city (1 record), Huachuca City town (1 record), Willcox city (1 record).	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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Wildfire	acres burned (local data)	45, 2011 to 2025 (45 zone- level)		Wildfire, 2011-07-01, \$15,000,000 property; \$0 crops, reported for the zone (2011 dollars); NWS zone AZZ513 (DRAGOON/MULE/ HUACHUCA AND SANTA RITA MOUNTAINS), zone- level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	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)	36, 2010 to 2024 (36 zone- level)		Winter Storm, 2019-01-01, \$20,000 property; \$0 crops, reported for the zone (2019 dollars); NWS zone AZZ508 (EASTERN COCHISE COUNTY BELOW 5000 FEET), 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 rows14Counted incidents11

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
2020-04-04	2020-01-20	DR-4524-AZ	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$500,928.39		
2020-03-13	2020-01-20	EM-3442-AZ	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4524
2017-06-11	2017-06-07	FM-5183-AZ	Fire management	LIZARD FIRE	Wildfire	none found		
2011-06-12	2011-06-12	FM-2919-AZ	Fire management	MONUMENT FIRE	Wildfire	none found		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		
						<i>federal share obligated, nominal dollars</i>	Flags	Notes
2011-05-09	2011-05-08	FM-2907-AZ	Fire management	HORSESHOE TWO FIRE	Wildfire	none found		
2009-05-18	2009-05-18	FM-2821-AZ	Fire management	MULE PASS FIRE	Wildfire	none found		
2005-09-12	2005-08-29	EM-3241-AZ	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found		
2003-06-21	2003-06-21	FM-2471-AZ	Fire management	ASH FIRE	Wildfire	none found		
2000-10-27	2000-10-21	DR-1347-AZ	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$234,401.92		
1999-10-15	1999-09-14	DR-1304-AZ	Major disaster	SEVERE STORMS, FLOODING, HIGH WINDS	Inland Flooding; Strong Wind	PA not declared for this county		
1993-01-19	1993-01-05	DR-977-AZ	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding (primary); also designated: Tornado	none found		
1983-10-05	1983-09-23	DR-691-AZ	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1977-04-15	1977-04-15	EM-3038-AZ	Emergency	DROUGHT	Drought	none found		
1970-09-22	1970-09-22	DR-294-AZ	Major disaster	HEAVY RAINS & FLASH	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)

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	14	6	1	7	0	0	1996 to 2026-06-30	Includes 5 Frost/Freeze records, event types the NRI definition of this hazard leaves out.
Drought	84	26	3	29	1	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	126	9	4	14	0	0	1955 to 2026-06-30	
Heat Wave	73	37	9	46	0	0	1996 to 2026-06-30	

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
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Inland Flooding	237	30	12	42	5	0	1996 to 2026-06-30	
Landslide	1	0	0	0	0	0	1996 to 2026-06-30	
Lightning	15	1	0	1	0	0	1996 to 2026-06-30	
Strong Wind	234	41	17	60	1	0	1955 to 2026-06-30	Includes 25 High Wind records and 9 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	18	1	0	1	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	45	11	5	16	5	0	1996 to 2026-06-30	
Winter Weather	36	7	3	12	0	0	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
2026-06-24	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2026 dollars)	2, 0	NWS zone AZZ507 (UPPER SAN PEDRO RIVER VALLEY), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	deaths or injuries recorded
2024-06-25	Heat		\$0 property; \$0 crops, reported for the zone (2024 dollars)	2, 0	NWS zone AZZ508 (EASTERN COCHISE COUNTY BELOW 5000 FEET), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	deaths or injuries recorded
2023-07-15	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2023 dollars)	1, 0	NWS zone AZZ507 (UPPER SAN PEDRO RIVER VALLEY), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: Excessive Heat, Heat

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2022-08-24	Flood		\$1,500,000 property; \$0 crops (2022 dollars)	0, 0	ELFRIDA	during plan review, check whether your last plan included it; within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2021-09-07	Hail	2 in	\$0 property; \$0 crops (2021 dollars)	0, 0	PALOMINAS to HEREFORD		B1-c worst recorded: Hail
2019-09-23	Tornado	EF1, 1.71 mi within this county, 580 yd wide	\$250,000 property; \$0 crops (2019 dollars)	0, 5	WILLCOX		B1-c worst recorded: Tornado
2015-06-30	Lightning		\$0 property; \$0 crops (2015 dollars)	1, 0	BENSON		B1-c worst recorded: Lightning
2014-11-05	High Wind	76 kt (87 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2014 dollars)	0, 0	NWS zone AZZ513 (DRAGOON/MULE/HUACHUCA AND SANTA RITA MOUNTAINS), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2014-02-18	Drought		\$0 property; crops not reported, reported for the zone (2014 dollars)	0, 0	NWS zone AZZ507 (UPPER SAN PEDRO RIVER VALLEY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2011-07-01	Wildfire		\$15,000,000 property; \$0 crops, reported for the zone (2011 dollars)	0, 0	NWS zone AZZ513 (DRAGOON/MULE/HUACHUCA AND SANTA RITA MOUNTAINS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Wildfire
1997-08-06	Flash Flood		damage not reported	6, 0	DOUGLAS		deaths or injuries recorded
1995-08-27	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	Sierra Vista		B1-c worst recorded: Thunderstorm Wind

The full list is in the XLSX file, sheet "B1-d Storm Events history" (883 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)

15 Fire Management declarations (1990-06-27 to 1996-06-24) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

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

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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		events per year at a location (modeled)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Cold Wave	0.00731	event-days per year	about 0.00731 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	0.139	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	76.4	event-days per year	about 76.4 days per year	Likely	event-days in 11 of 30 years, 1996 to 2025 (36.7%)	3,101	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 76.4 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 11 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	0.00178	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.178%			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	0.266	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	10.1 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.44	event-days per year	about 2.44 days per year	Likely	event-days in 11 of 30 years, 1996 to 2025 (36.7%)	32.4	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 2.44 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 11 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Hurricane	0.0283	events per year	about 1 in 35 years	Possible	FEMA annualized frequency (modeled)	6	1851 to 2024 (Atlantic); 1949 to 2024 (Pacific)	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.

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
Ice Storm		event-days per year					1946-12-31 to 2014-02-12 (67 years)	countywide	Not Applicable in NRI for this county; no descriptor.
Inland Flooding	6.21	event-days per year	about 6.21 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	174	1996 to 2023 (28 years)	see B1-f	
Landslide	1.38	events per year (modeled)	about 1.38 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	56.2	days per year with a strike	about 56.2 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.584	events per year	about 0.58 per year	Likely	FEMA annualized frequency (modeled)	23	1986 to 2023 (38 years)	countywide	
Tornado	0.156	events per year	about 1 in 6 years	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.00891	annual probability at a location	chance a given location in the county burns in a year: 0.891%	Likely	Storm Events records in 10 of 30 years, 1996 to 2025 (33.3%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI: the NRI value is the chance at a location in the county, not how often the hazard affects the county.
Winter Weather	4.31	event-days per year	about 4.31 days per year	Likely	event-days in 13 of 30 years, 1996 to 2025 (43.3%)	81.8	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 4.31 winter weather 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 13 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.

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
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	51	30	1.7
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	139	30	4.63
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	14	30	0.467
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	15	30	0.5
Tornado	EF0-1	1996 to 2025	6	30	0.2
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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 <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	15 of 38	33.7	42.3	45.3	Very Low 15, Not Applicable 23	
Coastal Flooding	0 of 38				Not Applicable 38	
Cold Wave	6 of 38	16.1	17.7	22.1	Relatively Low 2, Very Low 4, No Rating 32	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	19 of 38	69.8	81.4	98.6	Relatively High 4, Relatively Moderate 1, Relatively Low 8, Very Low 6, No Rating 19	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	38 of 38	5.9	45.9	77.6	Relatively Low 23, Very Low 15	
Hail	38 of 38	1.9	23.3	45.9	Relatively Low 1, Very Low 37	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	38 of 38	81.6	98.1	99.8	Very High 31, Relatively High 5, Relatively Moderate 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	38 of 38	13.2	28.3	44.0	Very Low 38	
Ice Storm	0 of 38				Not Applicable 38	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	38 of 38	1.8	83.4	99.8	Very High 9, Relatively High 13, Relatively Moderate 13, Relatively Low 1, Very Low 2	
Landslide	37 of 38	8.7	21.0	89.9	Relatively Low 4, Very Low 33, No Rating 1	
Lightning	38 of 38	55.0	94.3	98.8	Very High 13, Relatively High 21, Relatively Moderate 4	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	38 of 38	15.9	60.3	80.1	Relatively Moderate 22, Relatively Low 14, 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.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Tornado	38 of 38	0.3	4.4	9.9	Very Low 38	
Tsunami	0 of 38				Not Applicable 38	
Volcanic Activity	0 of 38				Not Applicable 38	
Wildfire	38 of 38	47.7	98.1	99.6	Very High 9, Relatively High 17, Relatively Moderate 7, Relatively Low 3, Very Low 2	
Winter Weather	38 of 38	17.2	23.8	29.6	Relatively Low 34, Very Low 4	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Cochise County	County	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 2	\$197,830.29	0; 0	Includes \$15,268.04 for declarations not counted as hazard incidents (DR-4524-AZ).
Benson city	City	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 0	\$0	37; 4	Includes \$0 for declarations not counted as hazard incidents (DR-4524-AZ).
Bisbee city	City	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 0	\$72,442.15	25; 1	Includes \$20,602.48 for declarations not counted as hazard incidents (DR-4524-AZ).
Douglas city	City	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 0	\$36,304.10	41; 3	Includes \$36,304.10 for declarations not counted as hazard incidents (DR-4524-AZ).
Huachuca City town	Town	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 0	none found	1; 0	
Sierra Vista city	City	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 0	\$17,651.01	82; 9	Includes \$17,651.01 for declarations not counted as hazard incidents (DR-4524-AZ).
Tombstone city	City	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 0	none found	12; 1	
Willcox city	City	Approved, expires 2028-01-26	FMA RL 0, SRL 0; any 0	none found	39; 4	

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.

SOURCESFEMA, 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
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- A problem statement per participant per hazard
- 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 2023-01-27 <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	\$3,548,624		1	\$3		\$555	under 0.0001%				
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$873,832,638	\$7,453,685	813	\$456	\$21	\$10,945	under 0.0001%		\$5,000		
Drought		\$71,297,588			\$1,187,828		1.67% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$46,739,687,424		125,447	\$771,547		\$243,500	0.00165%				
Hail	\$27,309,472,531	\$186,369,894	125,169	\$28,372	\$6,848	\$1,874	0.000104%	\$100,000			
Heat Wave	\$27,309,472,531	\$186,369,894	125,169	\$315	\$14,380	\$22,271,625	under 0.0001%		\$0		
Hurricane	\$27,305,305,213	\$186,348,321	125,143	\$10,230	\$3,735	under \$1	under 0.0001%				
Ice Storm											Not Applicable in NRI for this county
Inland Flooding	\$27,308,240,863	\$25,507,158	10,534	\$40,876,586	\$3,290	\$3,404,630	n/a (see note)	\$97,000			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	\$562,777,701		1,209	\$976		\$387	0.000173%				
Lightning	\$27,309,472,531		125,169	\$15,747		\$1,761,429	under 0.0001%	\$150,000			

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 2023-01-27 <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
Strong Wind	\$27,309,472,531	\$186,369,894	125,169	\$387,731	\$1,203	\$293,563	0.00142%	\$73,500	\$25,500		Storm Events damage since the plan includes 1 zone-level High Wind record (\$20,000) and 2 zone-level Strong Wind records (\$5,500), event types the NRI definition of this hazard leaves out.
Tornado	\$27,309,472,531	\$186,369,894	125,169	\$34,607	\$219	\$15,162	0.000127%	\$0			
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$5,661,278,429	\$118,114,954	41,688	\$18,270,112	\$2,655	\$1,165,144	0.323%		\$534,000		
Winter Weather	\$27,309,472,531	\$186,369,894	125,169	\$2,132	under \$1	\$11,269	under 0.0001%		\$0		

Totals since 2023-01-27 (Storm Events through 2026-06-30): 71 county-coded records, 71 with a damage value recorded (including \$0), \$420,500; 98 zone-level records, 98 with a damage value recorded (including \$0), \$564,500 reported for the zone; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

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

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

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B2-a: context

County context

Measure	Value
Population	125,169
Building value (total, not at risk)	\$27,309,472,531
Agriculture value (total, not at risk)	\$186,369,894
NRI risk rating (all hazards)	Relatively Moderate

Measure	Value
Expected annual loss, buildings and agriculture, all hazards	\$61,618,990
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)	\$29,180,080
Social vulnerability rating	Relatively High
Community resilience rating	Very Low
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)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	2	Severe repetitive loss, NFIP insurance definition	0

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

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

Repeat-flood properties: county and state-level rows

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	0	0	2	0	2	0	2
COCHISE COUNTY*	0	0	2	0	2	0	2
State level, not in this county: county not reported	0	1	0	0	1	1	0

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
Cochise County	040012	0	0	2	0	2	0	2	
Benson city	040013	0	0	0	0	0	0	0	
Bisbee city	040014	0	0	0	0	0	0	0	
Douglas city	040015	0	0	0	0	0	0	0	

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
Huachuca City town	040016	0	0	0	0	0	0	0	
Sierra Vista city	040017	0	0	0	0	0	0	0	
Tombstone city	040106	0	0	0	0	0	0	0	
Willcox city	040018	0	0	0	0	0	0	0	

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	0	0	2	0	2	0	2
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	0	0	0	0	0
not reported	0	0	0	0	0	0	0

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 fmaRl field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRl) 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 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 2 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

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

3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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_AZ_04003. Preview: automated baseline.