

Pinal County, AZ

Risk-assessment baseline packet

Unit **County area 04021** 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 2027-09-11	Plan	Pinal County (FEMA plan 108427)
Approved	2022-09-12	Expires	2027-09-11
As of	2026-09-28	Days	348 days to expiry
Update underway	none in FEMA's plan tracker		

What changed since your last plan (approved 2022-09-12)

New federal declarations	FM-5493-AZ, FM-5505-AZ, FM-5585-AZ (3 declaration rows; 3 counted incidents)	Storm Events records since approval	192 (data through 2026-06-30)
Repetitive loss now	FMA RL 1, SRL 0 (44 CFR 77.2); any definition: 6	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
Pinal County	County	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		
Apache Junction city	City	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		
Casa Grande city	City	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		
Coolidge city	City	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		member approved 2024-10-24
Eloy city	City	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Florence town	Town	Plan 108427 approved 2022-09-12, pending adoption here; not yet eligible	Pinal County (FEMA plan 108427), pending adoption here	2022-09-12 by FEMA; not yet adopted here	2027-09-11 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Kearny town	Town	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		
Mammoth town	Town	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		
Maricopa city	City	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		
Queen Creek town	Town	Approved, expires 2027-05-10	Maricopa County (FEMA plan 107585)	2022-05-11	2027-05-10	224		
Superior town	Town	Approved, expires 2027-09-11	Pinal County (FEMA plan 108427)	2022-09-12	2027-09-11	348		
Winkelman town	Town	No approved plan on record	none	none	none		FEMA tracker shows a plan awaiting revisions	

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

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

CONTENTS

1. Plan clock, page 1	7. Supports B1-e: probability, page 12
2. What changed since your last plan (approved 2022-09-12), page 1	8. Supports B1-f: variation across the planning area, page 15
3. Supports B1-a: hazards, page 3	9. Supports B2-a and B2-b: assets and impacts, page 17
4. Supports B1-b: location, page 4	10. Supports B2-a: context, page 20
5. Supports B1-c: extent, page 5	11. Supports B2-c: repetitive loss, page 20
6. Supports B1-d: previous occurrences, page 8	12. Sources and OpenFEMA disclaimer, page 22

Supports B1-a: hazards

Hazards NRI does not cover: check locally

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

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

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$88,289,274	\$7,971	\$4,066,871	\$92,364,115	157		
2	Heat Wave	Relatively High	Relatively High	under \$1	\$603,035	\$22,993,851	\$23,596,886	165		
3	Wildfire	Relatively High	Relatively High	\$11,352,702	\$3,373	\$801,350	\$12,157,424	26		
4	Drought	Relatively High	Relatively High		\$2,702,647		\$2,702,647	73		
5	Lightning	Very High	Relatively High	\$67,123		\$2,306,715	\$2,373,838	9		
6	Earthquake	Relatively Low	Relatively Low	\$1,251,738		\$286,551	\$1,538,289			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	\$600,885	\$7,596	\$456,495	\$1,064,976	345		Includes 4 High Wind records and 3 Strong Wind records, event types the NRI definition of this hazard leaves out.
8	Hail	Relatively Moderate	Relatively Moderate	\$843,698	\$56,252	\$53,821	\$953,772	67		
9	Tornado	Relatively Low	Relatively Low	\$480,403	\$5,154	\$226,823	\$712,380	7		
10	Winter Weather	Very Low	Very Low	\$179	under \$1	\$11,869	\$12,048	39		

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	Hurricane	Very Low	Very Low	\$850	\$4,218	under \$1	\$5,069	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Cold Wave	Very Low	Very Low	\$27	\$7	\$1,330	\$1,364	5		Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
13	Landslide	Very Low	Very Low	\$1,034		\$294	\$1,328	3		
14	Avalanche	Very Low	Very Low	\$0		\$69	\$69	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.	7 of 95
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 95

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	3 of 95
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	65 of 95
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.	95 of 95
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	95 of 95
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	95 of 95
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.	95 of 95
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	0 of 95
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.	95 of 95
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.	48 of 95
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	95 of 95
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	95 of 95
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.	95 of 95
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 95
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 95
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.	95 of 95
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	95 of 95

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	4, 2011 to 2025 (4 zone-level)	1 day to 2 days (median 1.5 days); 4 with a recorded value	2 consecutive days, 2022-02-02 to 2022-02-03, 1 direct death, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	1, 2013 to 2013 (1 zone-level)		No crop damage reported in 1 records.	Frost/Freeze, 2013-01-12, \$10,000 property; \$0 crops, reported for the zone (2013 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	73, 2011 to 2025 (73 zone-level)	11 days to 437 days (median 190 days); 9 with a recorded value	437 days (about 14.4 months), 2014-02-18 to 2015-04-30, a run of 18 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)	78, 1961 to 2025	0.75 in to 2 in (median 1 in); 78 with a recorded value	2 in hail, 2025-10-13	Hail, 1999-09-19, \$100,000 property; \$50,000 crops (1999 dollars)	Event records naming member places: Superior town (6 records), Apache Junction city (4 records), Coolidge city (4 records), Casa Grande city (3 records), Florence town (3 records), Eloy city (2 records), Mammoth town (2 records), Maricopa city (2 records), Kearny town (1 record).	
Excessive Heat, Heat	heat index (narratives)	165, 2011 to 2026 (165 zone-level)	1 day to 29 days (median 2 days); 98 with a recorded value	29 consecutive days, 2023-07-01 to 2023-07-29, 11 direct deaths, 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)	157, 1996 to 2025		Flood, 2021-07-25, \$7,500,000 property; \$0 crops (2021 dollars)		Event records naming member places: Apache Junction city (20 records), Florence town (12 records), Superior town (7 records), Eloy city (4 records), Casa Grande city (3 records), Mammoth town (3 records), Coolidge city (2 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)	3, 2020 to 2025		Debris Flow, 2025-09-25, \$3,000 property; \$0 crops (2025 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)	9, 1999 to 2022		Lightning, 2000-10-21, damage not reported, 1 direct death, 1 direct injury	Lightning, 2022-09-02, \$1,500,000 property; \$0 crops (2022 dollars)	Event records naming member places: Apache Junction city (2 records), Casa Grande city (1 record), Eloy city (1 record), Florence town (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)	7, 2013 to 2023 (7 zone-level)	43 kt (49 mph) to 53 kt (61 mph) (median 48 kt (55 mph)); 7 with a recorded value	53 kt (61 mph) measured gust, High Wind, 2023-02-22; same speed and measurement basis also recorded on 2013-04-08; NWS zone AZZ506 (SOUTHEAST PINAL COUNTY), zone-level: may include parts of neighboring counties	Strong Wind, 2023-02-22, \$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.	
Thunderstorm Wind	wind speed (kt and mph)	409, 1955 to 2025	35 kt (40 mph) to 87 kt (100 mph) (median 52 kt (60 mph)); 345 with a recorded value	87 kt (100 mph), measurement type not recorded, Thunderstorm Wind, 1981-05-01	Thunderstorm Wind, 2007-08-13, \$5,000,000 property; \$0 crops (2007 dollars)	Event records naming member places: Apache Junction city (41 records), Casa Grande city (22 records), Coolidge city (21 records), Florence town (20 records), Eloy city (9 records), Maricopa city (8 records), Mammoth town (5 records), Superior town (4 records), Kearny town (2 records).	
Tornado	Enhanced Fujita (F before Feb 2007)	30, 1960 to 2024	F/EF0 to F/EF1 (median between F/EF0 and F/EF1); 26 with a recorded value	F1 tornado, 1972-06-21, 1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 1,000 yd wide, \$2,500,000 property; crops not recorded (1972 dollars), 8 direct injuries		Event records naming member places: Casa Grande city (1 record), Maricopa 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	26, 2013 to 2025 (26 zone- level)		Wildfire, 2021-06-04, \$8,000,000 property; \$0 crops, reported for the zone (2021 dollars); NWS zone AZZ558 (PINAL/ SUPERSTITION 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)	39, 2010 to 2024 (39 zone- level)		Winter Storm, 2017-01-20, \$100,000 property; \$0 crops, reported for the zone (2017 dollars); NWS zone AZZ514 (SANTA CATALINA AND RINCON MOUNTAINS), 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 rows23Counted incidents20

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
2025-05-22	2025-05-21	FM-5585-AZ	Fire management	CODY FIRE	Wildfire	none found	new since last plan; within last 5 years	
2024-07-09	2024-07-09	FM-5505-AZ	Fire management	SHAKE FIRE	Wildfire	none found	new since last plan; within last 5 years	
2024-05-29	2024-05-28	FM-5493-AZ	Fire management	SIMMONS FIRE	Wildfire	none found	new since last plan; within last 5 years	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2021-06-06	2021-06-06	FM-5389-AZ	Fire management	TELEGRAPH FIRE	Wildfire	none found		
2021-04-08	2021-04-08	FM-5385-AZ	Fire management	MARGO FIRE	Wildfire	none found		
2020-04-04	2020-01-20	DR-4524-AZ	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$1,188,317.12		
2020-03-13	2020-01-20	EM-3442-AZ	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4524
2017-07-08	2017-07-07	FM-5188-AZ	Fire management	ROACH FIRE	Wildfire	none found		
2015-06-17	2015-06-17	FM-5086-AZ	Fire management	KEARNY RIVER FIRE	Wildfire	none found		
2006-09-07	2006-07-25	DR-1660-AZ	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$1,413,890.11		
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		
2005-05-26	2005-05-26	FM-2558-AZ	Fire management	VEKOL FIRE-05-26-2005	Wildfire	none found		
2005-04-14	2005-02-10	DR-1586-AZ	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$468,978.95		
2003-06-18	2003-06-17	FM-2470-AZ	Fire management	ASPEN FIRE	Wildfire	none found		
2002-07-14	2002-07-12	FM-2439-AZ	Fire management	AZ - ORACLE HILLS FIRE - 07/14/2002	Wildfire	none found		
2000-10-27	2000-10-21	DR-1347-AZ	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$779,930.36		
1993-01-19	1993-01-05	DR-977-AZ	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding (primary); also designated: Tornado	none found		
1990-12-06	1990-07-08	DR-884-AZ	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1983-10-05	1983-09-23	DR-691-AZ	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1977-11-04	1977-11-04	DR-540-AZ	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1977-04-15	1977-04-15	EM-3038-AZ	Emergency	DROUGHT	Drought	none found		
1972-07-03	1972-07-03	DR-343-AZ	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1966-04-30	1966-04-30	DR-217-AZ	Major disaster	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)

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	5	1	1	2	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
Drought	73	10	0	10	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	78	11	2	13	0	0	1955 to 2026-06-30	
Heat Wave	165	65	16	78	0	0	1996 to 2026-06-30	
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	157	24	9	33	9	0	1996 to 2026-06-30	
Landslide	3	1	0	1	0	0	1996 to 2026-06-30	
Lightning	9	0	1	1	0	0	1996 to 2026-06-30	
Strong Wind	416	57	31	87	0	0	1955 to 2026-06-30	Includes 4 High Wind records and 3 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	30	2	1	3	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	26	10	1	11	10	3	1996 to 2026-06-30	
Winter Weather	39	11	2	13	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
2025-10-13	Hail	2 in	\$0 property; \$0 crops (2025 dollars)	0, 0	PALM SPGS	new since last plan; within last 5 years	B1-c worst recorded: Hail
2024-07-17	Heat		\$0 property; \$0 crops, reported for the zone (2024 dollars)	3, 0	NWS zone AZZ502 (TOHONO O ODHAM NATION), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	deaths or injuries recorded
2023-07-14	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2023 dollars)	11, 0	NWS zone AZZ502 (TOHONO O ODHAM NATION), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	deaths or injuries recorded
2023-07-01	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2023 dollars)	0, 0	NWS zone AZZ553 (NORTHWEST PINAL COUNTY), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2023-02-22	High Wind	53 kt (61 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2023 dollars)	0, 0	NWS zone AZZ506 (SOUTHEAST PINAL COUNTY), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2021-07-25	Flood		\$7,500,000 property; \$0 crops (2021 dollars)	0, 0	FRIENDLY CORNERS		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2021-06-12	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2021 dollars)	11, 0	NWS zone AZZ502 (TOHONO O ODHAM NATION), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2021-06-04	Wildfire		\$8,000,000 property; \$0 crops, reported for the zone (2021 dollars)	0, 0	NWS zone AZZ558 (PINAL/ SUPERSTITION MOUNTAINS), zone- level: may include parts of neighboring counties		B1-c worst recorded: Wildfire
2014-02-18	Drought		\$0 property; crops not reported, reported for the zone (2014 dollars)	0, 0	NWS zone AZZ506 (SOUTHEAST PINAL COUNTY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Drought
2000-10-21	Lightning		damage not reported	1, 1	CASA GRANDE		B1-c worst recorded: Lightning
1981-05-01	Thunderstorm Wind	87 kt (100 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1972-06-21	Tornado	F1, 1 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 1,000 yd wide	\$2,500,000 property; crops not recorded (1972 dollars)	0, 8	location not recorded		B1-c worst recorded: Tornado

The full list is in the **XLSX** file, sheet "**B1-d Storm Events history**" (1,001 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	0.000226	event-days per year	about 0.000226 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	0.00428	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	55	event-days per year	about 55 days per year	Likely	event-days in 9 of 30 years, 1996 to 2025 (30%)	2,877	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 55 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 9 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	0.00271	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.271%			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	0.388	events per year	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	14.8 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	12.7	event-days per year	about 12.7 days per year	Likely	event-days in 12 of 30 years, 1996 to 2025 (40%)	119	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 12.7 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 12 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.

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
Hurricane	0.0107	events per year	about 1 in 94 years	Possible	FEMA annualized frequency (modeled)	0	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.
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	3.89	event-days per year	about 3.89 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	109	1996 to 2023 (28 years)	see B1-f	
Landslide	1.05	events per year (modeled)	about 1.05 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	41.9	days per year with a strike	about 41.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.77	events per year	about 1.77 per year	Highly likely	FEMA annualized frequency (modeled)	68	1986 to 2023 (38 years)	countywide	
Tornado	0.383	events per year	about 1 in 3 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	0.00227	annual probability at a location	chance a given location in the county burns in a year: 0.227%	Likely	Storm Events records in 9 of 30 years, 1996 to 2025 (30%)	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.

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
Winter Weather	1.42	event-days per year	about 1.42 days per year	Likely	event-days in 14 of 30 years, 1996 to 2025 (46.7%)	27.1	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 1.42 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 14 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	36	30	1.2
Hail	2.00 in+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	286	30	9.53
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	30	30	1
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	22	30	0.733
Tornado	EF0-1	1996 to 2025	5	30	0.167
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	2	30	0.0667

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	7 of 95	14.6	15.5	16.7	Very Low 7, Not Applicable 88	
Coastal Flooding	0 of 95				Not Applicable 95	
Cold Wave	3 of 95	15.7	16.0	17.7	Very Low 3, No Rating 92	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	65 of 95	69.8	87.6	98.8	Relatively High 5, Relatively Moderate 15, Relatively Low 32, Very Low 13, No Rating 30	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	95 of 95	13.7	36.1	61.6	Relatively Low 35, Very Low 60	
Hail	95 of 95	30.5	56.0	76.9	Relatively Moderate 7, Relatively Low 86, 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
Heat Wave	95 of 95	53.8	93.6	98.5	Very High 7, Relatively High 77, Relatively Moderate 10, Relatively Low 1	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	95 of 95	10.8	13.2	35.8	Very Low 95	
Ice Storm	0 of 95				Not Applicable 95	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	95 of 95	1.0	69.7	99.3	Very High 8, Relatively High 29, Relatively Moderate 32, Relatively Low 21, Very Low 5	
Landslide	48 of 95	8.6	15.6	89.5	Relatively Low 4, Very Low 44, No Rating 47	
Lightning	95 of 95	25.4	76.3	95.1	Relatively High 39, Relatively Moderate 51, Relatively Low 5	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	95 of 95	18.7	39.3	67.8	Relatively Moderate 12, Relatively Low 82, 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.
Tornado	95 of 95	4.3	18.5	32.7	Relatively Low 2, Very Low 93	
Tsunami	0 of 95				Not Applicable 95	
Volcanic Activity	0 of 95				Not Applicable 95	
Wildfire	95 of 95	29.0	90.6	99.5	Very High 4, Relatively High 10, Relatively Moderate 41, Relatively Low 31, Very Low 9	
Winter Weather	95 of 95	10.9	13.8	48.1	Relatively Low 13, Very Low 82	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
Pinal County	County	Approved, expires 2027-09-11	FMA RL 1, SRL 0; any 3	\$2,997,244.32	0; 0	Includes \$467,820.89 for declarations not counted as hazard incidents (DR-4524-AZ).
Apache Junction city	City	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 3	\$33,588.72	67; 5	Includes \$33,588.72 for declarations not counted as hazard incidents (DR-4524-AZ).

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
Casa Grande city	City	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 0	\$199,749.21	30; 3	Includes \$199,749.21 for declarations not counted as hazard incidents (DR-4524-AZ).
Coolidge city	City	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 0	none found	27; 0	
Eloy city	City	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 0	\$71,535.46	16; 2	Includes \$56,818.31 for declarations not counted as hazard incidents (DR-4524-AZ).
Florence town	Town	Plan 108427 approved 2022-09-12, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$3,900.56	36; no approved plan	Includes \$3,900.56 for declarations not counted as hazard incidents (DR-4524-AZ).
Kearny town	Town	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 0	\$80,960.85	3; 2	Includes \$11,263.89 for declarations not counted as hazard incidents (DR-4524-AZ).
Mammoth town	Town	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 0	\$8,115.38	10; 0	
Maricopa city	City	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 0	\$127,725.68	11; 0	Includes \$90,037.75 for declarations not counted as hazard incidents (DR-4524-AZ).
Queen Creek town	Town	Approved, expires 2027-05-10	FMA RL 0, SRL 0; any 0	none found	0; 0	
Superior town	Town	Approved, expires 2027-09-11	FMA RL 0, SRL 0; any 0	\$7,204.40	17; 1	Includes \$7,204.40 for declarations not counted as hazard incidents (DR-4524-AZ).
Winkelman town	Town	No approved plan on record	FMA RL 0, SRL 0; any 1	none found	0; no approved plan	Whole community, including the part in Gila County; none of its repeat-flood properties are in this county.

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 2022-09-12 <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		\$69					building exposure is 0 in NRI
Coastal Flooding											Not Applicable in NRI for this county
Cold Wave	\$201,709,618	\$462,929	621	\$27	\$7	\$1,330	under 0.0001%		\$0		
Drought		\$293,574,511			\$2,702,647		0.921% (agriculture)		\$0		NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$113,466,745,197		425,264	\$1,251,738		\$286,551	0.0011%				
Hail	\$69,061,280,418	\$1,109,821,775	424,095	\$843,698	\$56,252	\$53,821	0.00122%	\$15,000			
Heat Wave	\$69,061,280,418	\$1,109,821,775	424,095	under \$1	\$603,035	\$22,993,851	under 0.0001%		\$0		
Hurricane	\$69,061,280,418	\$1,109,821,775	424,095	\$850	\$4,218	under \$1	under 0.0001%				
Ice Storm											Not Applicable in NRI for this county
Inland Flooding	\$69,055,293,962	\$173,598,188	12,078	\$88,289,274	\$7,971	\$4,066,871	n/a (see note)	\$403,000			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	\$334,472,822		1,182	\$1,034		\$294	0.000309%	\$3,000			
Lightning	\$69,061,280,418		424,095	\$67,123		\$2,306,715	under 0.0001%				

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 2022-09-12 <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	\$69,061,280,418	\$1,109,821,775	424,095	\$600,885	\$7,596	\$456,495	0.00087%	\$200,000	\$9,000		Storm Events damage since the plan includes 1 zone-level High Wind record (\$1,000) and 2 zone-level Strong Wind records (\$8,000), event types the NRI definition of this hazard leaves out.
Tornado	\$69,061,280,418	\$1,109,821,775	424,095	\$480,403	\$5,154	\$226,823	0.000696%	\$0			
Tsunami											Not Applicable in NRI for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$11,860,259,625	\$473,309,356	115,238	\$11,352,702	\$3,373	\$801,350	0.0957%		\$2,500,000	none found (3 declarations)	
Winter Weather	\$69,061,280,418	\$1,109,821,775	424,095	\$179	under \$1	\$11,869	under 0.0001%		\$20,000		

Totals since 2022-09-12 (Storm Events through 2026-06-30): 91 county-coded records, 91 with a damage value recorded (including \$0), \$621,000; 101 zone-level records, 101 with a damage value recorded (including \$0), \$2,529,000 reported for the zone; Public Assistance on counted declarations none found (3 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	424,095
Building value (total, not at risk)	\$69,061,280,418
Agriculture value (total, not at risk)	\$1,109,821,775
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$106,278,166
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)	\$31,206,039
Social vulnerability rating	Relatively Moderate
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)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	6	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	1	0	6	0	6	0	3
PINAL COUNTY*	1	0	3	0	3	0	0
APACHE JUNCTION, CITY OF	0	0	3	0	3	0	3
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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
Pinal County	040077	1	0	3	0	3	0	0	
Apache Junction city	040120	0	0	3	0	3	0	3	
Casa Grande city	040080	0	0	0	0	0	0	0	
Coolidge city	040082	0	0	0	0	0	0	0	
Eloy city	040083	0	0	0	0	0	0	0	
Florence town	040084	0	0	0	0	0	0	0	
Kearny town	040085	0	0	0	0	0	0	0	
Mammoth town	040086	0	0	0	0	0	0	0	
Maricopa city	040052	0	0	0	0	0	0	0	
Queen Creek town	040132	0	0	0	0	0	0	0	
Superior town	040119	0	0	0	0	0	0	0	
Winkelman town	040031	0	0	1	0	1	0	0	Whole community, including the part in Gila County; none of its repeat-flood properties are in this county.

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.

SOURCESFEMA, 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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	1	0	5	0	5	0	2
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	1	0	1	0	1
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.

SOURCESFEMA, 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 5 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

OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

Hazard Plain is an independent product built from public federal data. It is not a FEMA document and is not reviewed or endorsed by FEMA or any state agency.

Reuse, citation and corrections

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

Cite this: Hazard Plain (2026). Pinal County, AZ: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 04021). Preview: automated baseline. Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_AZ_04021. Preview: automated baseline.