

Mineral County, WV

Risk-assessment baseline packet

County FIPS: 54057 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: Approved, expires 2029-08-26. Plan: RPDC 08 Hazard Mitigation Plan (FEMA plan 110090), approved 2024-08-27.

Since the plan was approved on 2024-08-27: 1 new hazard declaration (1 incident) and 67 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$13,255,085 a year), Strong Wind (\$274,256) and Tornado (\$179,986).

The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.

NRI: FEMA's National Risk Index (version 1.20, December 2025).

NFIP: National Flood Insurance Program.

RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).

FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.

PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.

Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.

County-coded: NOAA logged the event to this county.

FIPS: the federal code for a place; 54057 is this area.

D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).

F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.

kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.

CFR: Code of Federal Regulations.

A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).

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

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Plan clock

Status:	Approved, expires 2029-08-26	Plan:	RPDC 08 Hazard Mitigation Plan (FEMA plan 110090)
Approved:	2024-08-27	Days to expiry:	1,061

What changed since your last plan (approved 2024-08-27)

New federal declarations:	1 new hazard declaration (1 incident): EM-3639-WV (Severe Winter Storm)	Storm Events records since approval:	67 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 2 (44 CFR 77.2); any definition: 23	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Mineral County	County	Approved, expires 2029-08-26	RPDC 08 Hazard Mitigation Plan (FEMA plan 110090)	2024-08-27	2029-08-26	1,061	this jurisdiction approved 2024-09-10
Carpendale town	Town	Approved, expires 2029-08-26	RPDC 08 Hazard Mitigation Plan (FEMA plan 110090)	2024-08-27	2029-08-26	1,061	this jurisdiction approved 2024-09-03
Elk Garden town	Town	Approved, expires 2029-08-26	RPDC 08 Hazard Mitigation Plan (FEMA plan 110090)	2024-08-27	2029-08-26	1,061	this jurisdiction approved 2024-09-03
Keyser city	City	Approved, expires 2029-08-26	RPDC 08 Hazard Mitigation Plan (FEMA plan 110090)	2024-08-27	2029-08-26	1,061	this jurisdiction approved 2024-09-25
Piedmont town	Town	Approved, expires 2029-08-26	RPDC 08 Hazard Mitigation Plan (FEMA plan 110090)	2024-08-27	2029-08-26	1,061	this jurisdiction approved 2024-09-04
Ridgeley town	Town	Approved, expires 2029-08-26	RPDC 08 Hazard Mitigation Plan (FEMA plan 110090)	2024-08-27	2029-08-26	1,061	this jurisdiction approved 2024-10-08

Plan 110090 covers 11 other participants, named in the Excel file.

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

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively Low	\$13,104,845	\$73,170	\$77,070	\$13,255,085	54	
2	Strong Wind	Relatively Low	Relatively Low	\$47,119	\$9,404	\$217,734	\$274,256	141	Includes 20 High Wind records (a NOAA non-thunderstorm wind type, outside NRI's Strong Wind definition).
3	Tornado	Very Low	Very Low	\$103,118	\$426	\$76,443	\$179,986	2	
4	Hurricane	Relatively Low	Relatively Low	\$142,137	\$19,568	\$6,860	\$168,565	0	Declared 3 times; no Storm Events record of this type.
5	Hail	Relatively Low	Relatively Low	\$136,240	\$1,819	\$23,957	\$162,016	24	
6	Heat Wave	Very Low	Very Low	\$9	\$7	\$137,403	\$137,419	13	
7	Drought	Relatively Low	Relatively Low	n/a	\$132,192	n/a	\$132,192	0	Declared 2 times; no Storm Events record of this type.
8	Cold Wave	Very Low	Very Low	\$14,132	\$85,014	\$17,254	\$116,400	83	Includes 42 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
9	Lightning	Relatively Low	Relatively Low	\$5,944	n/a	\$89,586	\$95,530	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
10	Earthquake	Very Low	Very Low	\$62,463	n/a	\$17,531	\$79,993		Storm Events does not record earthquakes.
11	Winter Weather	Relatively Low	Relatively Low	\$30,399	\$12	\$18,315	\$48,725	247	
12	Landslide	Relatively Low	Relatively Low	\$10,041	n/a	\$20,461	\$30,502	0	Declared 5 times; no Storm Events record of this type.
13	Ice Storm	Very Low	Very Low	\$10,706	n/a	\$4,043	\$14,748	6	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
14	Wildfire	Very Low	Very Low	\$7,249	\$20	\$2,165	\$9,435	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Avalanche	Very Low	Very Low	under \$1	n/a	\$1,312	\$1,312	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local lightning, landslide and wildfire records (Storm Events records these hazards only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: coastal flooding, tsunami and volcanic activity. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 106 (Very Low, 53.6); tract 107 (Very Low, 52.3); tract 101 (Very Low, 52.0)
Earthquake	tract 106 (Relatively Low, 43.5); tract 105 (Very Low, 33.7); tract 104 (Very Low, 32.7)
Hurricane	tract 106 (Relatively Low, 65.2); tract 104 (Relatively Low, 64.3); tract 105 (Relatively Low, 62.1)
Landslide	tract 104 (Relatively Moderate, 98.1); tract 103 (Relatively Moderate, 97.5); tract 102 (Relatively Moderate, 96.1)
Tornado	tract 106 (Relatively Low, 42.0); tract 103 (Relatively Low, 41.5); tract 102 (Relatively Low, 39.9)
Wildfire	tract 104 (Relatively Low, 79.3); tract 106 (Relatively Low, 70.5); tract 103 (Relatively Low, 68.7)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 106 is Census Tract 106). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	0					
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	41 records, 2011 to 2026 (41 zone-level)	1 day to 11 days (median 2 days); 27 with a recorded value	11 consecutive days, 2026-01-23 to 2026-02-02, zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	42 records, 2007 to 2021 (42 zone-level)		No crop damage reported in 42 records.		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	0					Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	25 records, 1988 to 2024	0.75 in to 1.75 in (median 1 in); 25 with a recorded value	1.75 in hail, 2008-06-22; same size also recorded on 2002-08-03		Event records naming jurisdictions in the plan: Keyser city (6 records), Piedmont town (1 record).	
Excessive Heat, Heat	heat index (in event narratives)	13 records, 2011 to 2021 (13 zone-level)	1 day to 3 days (median 2 days); 6 with a recorded value	3 consecutive days, 2019-07-19 to 2019-07-21, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	6 records, 2008 to 2025 (6 zone-level)		Ice Storm, 2019-12-16, \$15,000 property; crops not reported (2019 dollars); NWS zone WVZ503		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	54 records, 1996 to 2025		Flash Flood, 1996-09-06, \$500,000 property; \$50,000 crops (1996 dollars)		Event records naming jurisdictions in the plan: Keyser city (6 records).	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	0					Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	20 records, 2007 to 2025 (20 zone-level)	50 kt (58 mph) to 63 kt (72 mph) (median 53 kt (61 mph)); 20 with a recorded value	63 kt (72 mph) measured gust, High Wind, 2023-03-04; same speed and measurement basis also recorded on 2019-11-27; NWS zone WVZ503	High Wind, 2008-02-10, \$5,000 property; \$0 crops (zone total, 2008 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	128 records, 1991 to 2026	45 kt (52 mph) to 67 kt (77 mph) (median 52 kt (60 mph)); 112 with a recorded value	67 kt (77 mph), measurement type not recorded, Thunderstorm Wind, 1991-04-09, 1 direct injury	Thunderstorm Wind, 2008-06-28, \$20,000 property; \$0 crops (2008 dollars)	Event records naming jurisdictions in the plan: Keyser city (30 records), Elk Garden town (6 records), Piedmont town (2 records), Ridgeley town (2 records).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	2 records, 1998	F/EF1 to F/EF2 (median between F/EF1 and F/EF2); 2 with a recorded value	F2 tornado, 1998-06-02, 10 mi within this county, 150 yd wide, \$150,000 property; \$100,000 crops (1998 dollars)		Event records naming jurisdictions in the plan: Keyser city (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	247 records, 2006 to 2026 (247 zone-level)		Winter Storm, 2010-02-05, \$10,000 property; crops not reported (2010 dollars); NWS zone WVZ504		Countywide (zone-level records).	

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 19 declarations covering 15 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2026-01-24	2026-01-23	EM-3639-WV	Emergency	Severe Winter Storm	Winter Weather	no Public Assistance recorded	new since last plan; within last 5 years	
2020-04-03	2020-01-20	DR-4517-WV	Major disaster	COVID-19 Pandemic	Non-natural, not counted	no Public Assistance recorded		
2020-03-13	2020-01-20	EM-3450-WV	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4517
2018-07-12	2018-05-28	DR-4378-WV	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide	\$1,165,194.70		
2012-10-29	2012-10-29	EM-3358-WV	Emergency	Hurricane Sandy	Hurricane	no Public Assistance recorded		
2012-06-30	2012-06-29	EM-3345-WV	Emergency	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted	no Public Assistance recorded		
2010-04-23	2010-02-05	DR-1903-WV	Major disaster	Severe Winter Storms and Snowstorms	Winter Weather	\$75,560.46		
2005-09-05	2005-08-29	EM-3221-WV	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2003-09-23	2003-09-18	DR-1496-WV	Major disaster	Hurricane Isabel	Hurricane	\$38,955.20		
2003-03-14	2003-02-16	DR-1455-WV	Major disaster	Severe Winter Storm, Record/Near Record Snow, Heavy Rains, Flooding and Landslides	Inland Flooding; Landslide; Winter Weather	\$39,505.72		
1996-09-11	1996-09-05	DR-1137-WV	Major disaster	Hurricane Fran and Associated Heavy Rains, Flooding Highwind	Hurricane; Inland Flooding; Landslide	no Public Assistance recorded		
1996-01-25	1996-01-19	DR-1096-WV	Major disaster	Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded		
1996-01-13	1996-01-06	DR-1084-WV	Major disaster	Blizzard of 96 (Severe Snow Storm)	Winter Weather	no Public Assistance recorded		
1995-07-12	1995-06-23	DR-1060-WV	Major disaster	Severe Storms, Heavy Rains, Flooding, Mudslides	Inland Flooding; Landslide	no Public Assistance recorded		
1993-03-17	1993-03-13	EM-3109-WV	Emergency	Severe Snowfall & Winter Storm	Winter Weather	no Public Assistance recorded		
1985-11-07	1985-11-03	DR-753-WV	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1977-08-24	1977-08-24	EM-3051-WV	Emergency	Drought	Drought	no Public Assistance recorded		
1977-01-19	1977-01-19	EM-3021-WV	Emergency	Drought	Drought	no Public Assistance recorded		
1967-03-13	1967-03-13	DR-224-WV	Major disaster	Flooding	Inland Flooding	no Public Assistance recorded		

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1964-03-20	1964-03-20	DR-165-WV	Major disaster	Severe Storms & Flooding	Inland Flooding
1963-03-13	1963-03-13	DR-147-WV	Major disaster	Severe Storms & Flooding	Inland Flooding
1962-03-09	1962-03-09	DR-125-WV	Major disaster	Severe Storm, High Tides & Flooding	Inland Flooding (primary); also designated: Coastal Flooding
1961-07-23	1961-07-23	DR-117-WV	Major disaster	Floods	Inland Flooding
1957-01-31	1957-01-31	DR-67-WV	Major disaster	Flood	Inland Flooding
1954-08-04	1954-08-04	DR-21-WV	Major disaster	Flood	Inland Flooding

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

Public Assistance filed under this county for declarations that do not list it: 1 row, \$60,742.54

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-4455-WV	2019-08-03	Severe Storms, Flooding, Landslides, and Mudslides	West Virginia Division of Highways / District 5	\$60,742.54

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

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	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	83	9	2	15	0	0	1996 to 2026-06-30	Includes 42 Frost/Freeze records.
Drought	0	0	0	0	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	25	1	0	3	0	0	1955 to 2026-06-30	
Heat Wave	13	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	3	0	1996 to 2026-06-30	No Storm Events records of this type; 3 federal declared incidents (see declarations table)
Ice Storm	6	1	0	3	0	0	1996 to 2026-06-30	
Inland Flooding	54	5	0	7	7	0	1996 to 2026-06-30	
Landslide	0	0	0	0	5	0	1996 to 2026-06-30	No Storm Events records of this type; 5 federal declared incidents (see declarations table)
Lightning	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Strong Wind	148	22	2	39	0	0	1955 to 2026-06-30	Includes 20 High Wind records.
Tornado	2	0	0	0	0	0	1950 to 2026-06-30	
Wildfire	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Winter Weather	247	29	15	65	5	1	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2026-01-23	Extreme Cold/ Wind Chill		damage not reported	0, 0	NWS zone WVZ504 (EASTERN MINERAL), zone-level	new since last plan; within last 5 years	B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2023-03-04	High Wind	63 kt (72 mph) measured gust	\$0 property; \$0 crops (zone total, 2023 dollars)	0, 0	NWS zone WVZ503 (WESTERN MINERAL), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2019-12-16	Ice Storm		\$15,000 property; crops not reported (zone total, 2019 dollars)	0, 0	NWS zone WVZ503 (WESTERN MINERAL), zone-level		B1-c worst recorded: Ice Storm
2019-07-19	Heat		damage not reported	0, 0	NWS zone WVZ504 (EASTERN MINERAL), zone-level		B1-c worst recorded: Excessive Heat, Heat
2010-02-05	Winter Storm		\$10,000 property; crops not reported (zone total, 2010 dollars)	0, 0	NWS zone WVZ504 (EASTERN MINERAL), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2008-06-28	Thunderstorm Wind	50 kt (58 mph) estimated gust	\$20,000 property; \$0 crops (2008 dollars)	0, 0	NEW CREEK		B1-c most damaging: Thunderstorm Wind
2008-06-22	Hail	1.75 in	\$20,000 property; \$0 crops (2008 dollars)	0, 0	REESES MILL to FT ASHBY		B1-c worst recorded: Hail
2008-02-10	High Wind	57 kt (66 mph) measured gust	\$5,000 property; \$0 crops (zone total, 2008 dollars)	0, 0	NWS zone WVZ504 (EASTERN MINERAL), zone-level		B1-c most damaging: High Wind and Strong Wind
1998-06-02	Tornado	F2, 10 mi within this county, 150 yd wide	\$150,000 property; \$100,000 crops (1998 dollars)	0, 0	KEYSER to BURLINGTON		B1-c worst recorded: Tornado
1998-06-02	Tornado	F1, 1 mi within this county, 100 yd wide	\$5,000 property; \$10,000 crops (1998 dollars)	0, 0	PATTERSON CREEK		large reported damage
1996-09-06	Flash Flood		\$500,000 property; \$50,000 crops (1996 dollars)	0, 0	COUNTYWIDE		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
1991-04-09	Thunderstorm Wind	67 kt (77 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 1	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (578 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

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

Supports FEMA checklist item B1-e: probability of future events

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
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.
Cold Wave	3.97	event-days per year	about 3.97 days per year	Likely	Storm Events event-days in 10 of 30 years, 1996 to 2025 (33.3%)	75.6	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	3.46	event-days per year	about 3.46 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	147	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.000612	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0612%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.16	events per year	about 2.16 per year	Highly likely	FEMA annualized frequency (modeled)	82.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.5	event-days per year	about 1.5 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	26.9	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.0274	events per year	about 1 in 37 years	Possible	FEMA annualized frequency (modeled)	6	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.335	event-days per year	about 0.335 days per year	Likely	Storm Events event-days in 6 of 30 years, 1996 to 2025 (20%)	23	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.36	event-days per year	about 1.36 days per year	Likely	Storm Events event-days in 20 of 30 years, 1996 to 2025 (66.7%)	38	1996 to 2023 (28 years)	see B1-f	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Landslide	0.668	events per year (modeled)	about 0.67 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	38.2	days per year with a strike	about 38.2 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	2.79	events per year	about 2.79 per year	Highly likely	FEMA annualized frequency (modeled)	106	1986 to 2023 (38 years)	countywide	
Tornado	0.0795	events per year	about 1 in 13 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00051	annual probability at a location	chance a given location in the county burns in a year: 0.051%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	18.7	event-days per year	about 18.7 days per year	Likely	Storm Events event-days in 20 of 30 years, 1996 to 2025 (66.7%)	356	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	15	30	0.5
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	104	30	3.47
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	11	30	0.367
Tornado	EF0-1	1996 to 2025	1	30	0.0333
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	7 of 7	48.1	51.3	53.6	Very Low 7
Cold Wave	7 of 7	20.7	27.3	40.9	Relatively Low 7
Drought	7 of 7	79.9	85.6	95.4	Relatively Moderate 1, Relatively Low 6
Earthquake	7 of 7	22.4	32.3	43.5	Relatively Low 1, Very Low 6
Hail	7 of 7	64.4	74.8	79.4	Relatively Moderate 5, Relatively Low 2
Heat Wave	7 of 7	4.2	33.2	48.2	Relatively Low 6, Very Low 1
Hurricane	7 of 7	53.7	59.5	65.2	Relatively Low 7
Ice Storm	7 of 7	18.9	33.2	42.4	Relatively Low 3, Very Low 4
Inland Flooding	7 of 7	90.5	93.8	98.8	Very High 2, Relatively High 5
Landslide	7 of 7	83.6	95.8	98.1	Relatively Moderate 4, Relatively Low 3
Lightning	7 of 7	42.9	57.4	78.4	Relatively High 1, Relatively Moderate 4, Relatively Low 2
Strong Wind	7 of 7	62.3	75.9	86.3	Relatively High 1, Relatively Moderate 6
Tornado	7 of 7	27.9	35.5	42.0	Relatively Low 6, Very Low 1
Wildfire	7 of 7	43.2	67.1	79.3	Relatively Low 3, Very Low 4
Winter Weather	7 of 7	62.9	75.9	87.7	Relatively High 1, Relatively Moderate 6

Cold Wave: Agriculture is 73% of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

Drought: Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

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

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, drought, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place
			FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition	FEMA records matched by applicant name; federal share obligated, nominal dollars	all years; since its plan
Mineral County	County	Approved, expires 2029-08-26	FMA RL 0, SRL 0; any 9	\$4,517.27	0 total; 0 since its plan
Carpendale town	Town	Approved, expires 2029-08-26	FMA RL 0, SRL 0; any 0	\$3,341.18	0 total; 0 since its plan
Elk Garden town	Town	Approved, expires 2029-08-26	FMA RL 0, SRL 0; any 0	\$7,755.80	6 total; 0 since its plan
Keyser city	City	Approved, expires 2029-08-26	FMA RL 0, SRL 2; any 14	\$80,008.20	43 total; 7 since its plan
Piedmont town	Town	Approved, expires 2029-08-26	FMA RL 0, SRL 0; any 0	\$13,301.54	3 total; 0 since its plan
Ridgeley town	Town	Approved, expires 2029-08-26	FMA RL 0, SRL 0; any 0	\$7,945.50	2 total; 0 since its plan

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

County Public Assistance in B1-d also includes applicants filed under the county that are not jurisdictions in this plan (for example state agencies, special districts and nonprofits), so the jurisdiction rows add up to less.

Supports FEMA checklist items B2-a and B2-b: vulnerability and potential impacts

Local data needed

The table below gives county-level starting figures; the plan describes impacts for each jurisdiction and its own assets.

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

County-level starter: exposure, expected annual loss and damage since the plan

Sources: 1, 2, 3, 5, 6, 7

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-08-27 <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	\$208,376	n/a	under 1	under \$1	n/a	\$1,312	under 0.0001%				
Cold Wave	\$5,886,037,881	\$27,840,469	26,925	\$14,132	\$85,014	\$17,254	0.00024%		\$0		
Drought	n/a	\$2,971,138	n/a	n/a	\$132,192	n/a	4.45% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$10,248,425,629	n/a	26,938	\$62,463	n/a	\$17,531	0.000609%				
Hail	\$5,886,039,339	\$27,840,469	26,925	\$136,240	\$1,819	\$23,957	0.00231%				
Heat Wave	\$5,886,037,881	\$27,840,469	26,925	\$9	\$7	\$137,403	under 0.0001%				
Hurricane	\$5,872,873,019	\$27,723,885	26,840	\$142,137	\$19,568	\$6,860	0.00242%				
Ice Storm	\$5,884,829,132	n/a	26,915	\$10,706	n/a	\$4,043	0.000182%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-08-27 <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
Inland Flooding	\$5,879,765,391	\$5,322,998	1,717	\$13,104,845	\$73,170	\$77,070	n/a (see note)	\$0			NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$741,275,094	n/a	3,848	\$10,041	n/a	\$20,461	0.00135%				
Lightning	\$5,886,039,339	n/a	26,925	\$5,944	n/a	\$89,586	0.000101%				
Strong Wind	\$5,886,039,339	\$27,840,469	26,925	\$47,119	\$9,404	\$217,734	0.000801%	\$42,000	\$0		
Tornado	\$5,886,039,339	\$27,840,469	26,925	\$103,118	\$426	\$76,443	0.00175%				
Wildfire	\$317,725,447	\$4,959,759	3,148	\$7,249	\$20	\$2,165	0.00228%				
Winter Weather	\$5,886,037,881	\$27,840,469	26,925	\$30,399	\$12	\$18,315	0.000516%		\$0	no Public Assistance recorded (1 declaration)	

Totals since 2024-08-27 (Storm Events through 2026-06-30): 25 county-coded records, 22 with a damage value recorded (including \$0), \$42,000; 42 zone-level records, 12 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: none recorded on the 1 counted declaration.

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

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	26,925
Building value (total, not at risk)	\$5,886,039,339
Agriculture value (total, not at risk)	\$27,840,469
NRI risk rating (all hazards)	Relatively Low
Expected annual loss, buildings and agriculture, all hazards	\$13,996,032
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)	\$710,134
Social vulnerability rating	Relatively High
Community resilience rating	Relatively Moderate
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	2
Repetitive loss, NFIP insurance definition	23	Severe repetitive loss, NFIP insurance definition	2

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county total and NFIP communities

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	0	2	23	2	23	0	1
of which: Mineral County (unincorporated area)	0	0	9	0	9	0	1
of which: Keyser city	0	2	14	2	14	0	0

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Mineral County	540129	0	0	9	0	9	0	1
Carpendale town	545555	0	0	0	0	0	0	0
Elk Garden town	540091	0	0	0	0	0	0	0
Keyser city	540130	0	2	14	2	14	0	0
Piedmont town	540131	0	0	0	0	0	0	0
Ridgeley town	540155	0	0	0	0	0	0	0

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	0	2	18	2	18	0	1
2 to 4 unit residential	0	0	2	0	2	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	3	0	3	0	0
not reported	0	0	0	0	0	0	0

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 23 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
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3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
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6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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 (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

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Corrections: to report an error, name the packet, the table and what your records show. Contact: contact@hazardplain.org