

Johnson County, IA

Risk-assessment baseline packet

County FIPS: 19103 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 2030-07-02. Plan: Johnson County Iowa MJ HMP (FEMA plan 110530), approved 2025-07-03.

Since the plan was approved on 2025-07-03: no new hazard declaration and 47 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): Tornado (\$36,235,301 a year), Inland Flooding (\$27,464,976) and Strong Wind (\$10,494,805).

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; 19103 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 2030-07-02	Plan:	Johnson County Iowa MJ HMP (FEMA plan 110530)
Approved:	2025-07-03	Days to expiry:	1,371

What changed since your last plan (approved 2025-07-03)

New federal declarations:	none	Storm Events records since approval:	47 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 6 (44 CFR 77.2); any definition: 19	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: 20 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Johnson County	County	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		
Coralville city	City	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		this jurisdiction approved 2025-07-14
Hills city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	Johnson County Iowa MJ HMP (FEMA plan 110530), pending adoption here	2025-07-03 by FEMA; not yet adopted here	2030-07-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Iowa City city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	Johnson County Iowa MJ HMP (FEMA plan 110530), pending adoption here	2025-07-03 by FEMA; not yet adopted here	2030-07-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Lone Tree city	City	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		this jurisdiction approved 2025-07-14
North Liberty city	City	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		this jurisdiction approved 2025-07-24
Oxford city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	Johnson County Iowa MJ HMP (FEMA plan 110530), pending adoption here	2025-07-03 by FEMA; not yet adopted here	2030-07-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Shueyville city	City	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		
Solon city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	Johnson County Iowa MJ HMP (FEMA plan 110530), pending adoption here	2025-07-03 by FEMA; not yet adopted here	2030-07-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Swisher city	City	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		
Tiffin city	City	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		this jurisdiction approved 2025-07-24
University Heights city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	Johnson County Iowa MJ HMP (FEMA plan 110530), pending adoption here	2025-07-03 by FEMA; not yet adopted here	2030-07-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Branch city	City	Expired on 2026-02-23	Cedar County Multi-Jurisdiction Plan (FEMA plan 107204)	2021-02-23	2026-02-23	-219		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Clear Creek-Amana Community School District	School/School District	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		this jurisdiction approved 2025-07-24
Iowa City Community School District	School/School District	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	Johnson County Iowa MJ HMP (FEMA plan 110530), pending adoption here	2025-07-03 by FEMA; not yet adopted here	2030-07-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Lone Tree Community School District	School/School District	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		this jurisdiction approved 2025-07-24
Mid-Prairie Community School District	School/School District	Expired on 2024-01-21	Washington County (FEMA plan 105456)	2019-01-22	2024-01-21	-983		
Solon Community School District	School/School District	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	Johnson County Iowa MJ HMP (FEMA plan 110530), pending adoption here	2025-07-03 by FEMA; not yet adopted here	2030-07-02 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
West Branch Community School District	School/School District	Expired on 2026-02-23	Cedar County Multi-Jurisdiction Plan (FEMA plan 107204)	2021-02-23	2026-02-23	-219		this jurisdiction approved 2021-05-07
University of Iowa	College/University	Approved, expires 2030-07-02	Johnson County Iowa MJ HMP (FEMA plan 110530)	2025-07-03	2030-07-02	1,371		this jurisdiction approved 2025-07-14

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	Tornado	Relatively High	Relatively High	\$21,473,912	\$12,232	\$14,749,156	\$36,235,301	27	
2	Inland Flooding	Relatively Moderate	Relatively Moderate	\$26,282,665	\$500,962	\$681,349	\$27,464,976	75	
3	Strong Wind	Very High	Very High	\$5,884,543	\$622,259	\$3,988,004	\$10,494,805	240	Includes 14 High Wind and 1 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
4	Cold Wave	Relatively High	Relatively High	\$3,142	\$172,779	\$10,306,567	\$10,482,489	21	Includes 6 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
5	Hail	Relatively High	Relatively High	\$3,997,526	\$16,298	\$345,384	\$4,359,207	204	
6	Heat Wave	Relatively Moderate	Relatively Moderate	\$19,146	\$6	\$3,499,051	\$3,518,204	5	
7	Drought	Relatively Moderate	Relatively Moderate	n/a	\$1,462,135	n/a	\$1,462,135	15	
8	Lightning	Relatively Moderate	Relatively Moderate	\$60,877	n/a	\$769,461	\$830,338	10	
9	Winter Weather	Relatively High	Relatively High	\$73,703	\$423	\$417,547	\$491,672	156	
10	Ice Storm	Relatively Moderate	Relatively Moderate	\$243,711	n/a	\$184,562	\$428,273	9	
11	Earthquake	Very Low	Relatively Low	\$229,104	n/a	\$64,919	\$294,022		Storm Events does not record earthquakes.

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
12	Wildfire	Relatively Low	Relatively Low	\$141,689	\$430	\$21,602	\$163,721	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Landslide	Relatively Low	Relatively Low	\$2,761	n/a	\$17,696	\$20,458	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Hurricane	Very Low	Very Low	\$2,964	\$1,630	under \$1	\$4,595	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 wildfire and landslide records (Storm Events records these hazards only in part).

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 21 (Relatively Low, 57.7); tract 17 (Relatively Low, 42.5); tract 104.01 (Very Low, 36.2)
Hurricane	tract 104.02 (Very Low, 32.0); tract 105.02 (Very Low, 28.1); tract 21 (Very Low, 27.8)
Landslide	tract 101 (Relatively Moderate, 96.2); tract 102 (Relatively Moderate, 95.7); tract 103.08 (Relatively Low, 92.8)
Tornado	tract 21 (Very High, 100.0); tract 105.01 (Very High, 99.8); tract 104.02 (Very High, 99.8)
Wildfire	tract 101 (Relatively Low, 88.0); tract 104.02 (Relatively Low, 87.2); tract 102 (Relatively Low, 87.0)

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 21 is Census Tract 21). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	15 records, 1996 to 2019 (15 zone-level)	1 day to 31 days (median 3 days); 10 with a recorded value	2000-12-01 to 2000-12-31 (4 records, 1 of them a monthly summary record), zone-level		Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	6 records, 2005 to 2012 (6 zone-level)		Frost/Freeze, 2005-05-03, \$247,500 crop damage (2005 dollars); NWS zone IAZ064		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	15 records, 2003 to 2013 (15 zone-level)	12 days to 274 days (median 26.5 days); 6 with a recorded value	274 days (9 months), 2005-07-01 to 2006-03-31, a run of 9 consecutive Storm Events drought records, zone-level	Drought, 2003-08-01, property not reported; \$14,880,000 crops (zone total, 2003 dollars)	Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	229 records, 1968 to 2026	0.75 in to 2.75 in (median 1 in); 229 with a recorded value	2.75 in hail, 2026-03-10; same size also recorded on 1968-05-15, 1975-05-11, 1997-05-18, 1998-06-18, 2006-04-13	Hail, 1997-05-18, \$40,000,000 property; crops not reported (1997 dollars)	Event records naming jurisdictions in the plan: Iowa City city (48 records), North Liberty city (22 records), Hills city (19 records), Tiffin city (14 records), Swisher city (12 records), Solon city (10 records), University Heights city (9 records), Oxford city (6 records), Coralville city (5 records), Lone Tree city (4 records); and 1 more jurisdiction (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	5 records, 1997 to 2013 (5 zone-level)	1 day to 13 days (median 4 days); 5 with a recorded value	13 consecutive days, 1999-07-19 to 1999-07-31, 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)	9 records, 2000 to 2024 (9 zone-level)		Ice Storm, 2007-02-24, \$1,000,000 property; \$0 crops (2007 dollars); NWS zone IAZ064		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	75 records, 1996 to 2026 (8 zone-level)		Flood, 2008-06-01, \$230,000,000 property; \$0 crops (2008 dollars)		Event records naming jurisdictions in the plan: Iowa City city (22 records), Coralville city (9 records), Lone Tree city (6 records), Swisher city (6 records), Hills city (4 records), University Heights city (4 records), Tiffin city (3 records), Solon city (2 records), North Liberty city (1 record), Oxford city (1 record). Zone-level records (8) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	10 records, 2006 to 2015		Lightning, 2006-04-13, \$515,000 property; crops not reported (2006 dollars)		Event records naming jurisdictions in the plan: Coralville city (2 records), North Liberty city (2 records), Hills city (1 record), Iowa City city (1 record), Oxford city (1 record), Solon city (1 record), Swisher city (1 record), Tiffin city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	15 records, 1996 to 2026 (15 zone-level)	39 kt (45 mph) to 61 kt (70 mph) (median 52 kt (60 mph)); 14 with a recorded value	61 kt (70 mph) estimated gust, High Wind, 2021-12-15; NWS zone IAZ064	High Wind, 1996-05-24, \$500,000 property; crops not reported (zone total, 1996 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	282 records, 1958 to 2026	45 kt (52 mph) to 83 kt (96 mph) (median 56 kt (64 mph)); 249 with a recorded value	83 kt (96 mph), measurement type not recorded, Thunderstorm Wind, 1985-07-14; same speed and measurement basis also recorded on 1985-07-14	Thunderstorm Wind, 1998-06-29, \$30,700,000 property; \$14,000,000 crops (1998 dollars)	Event records naming jurisdictions in the plan: Iowa City city (41 records), North Liberty city (27 records), Tiffin city (14 records), Swisher city (13 records), Coralville city (11 records), Lone Tree city (10 records), Solon city (9 records), Hills city (8 records), University Heights city (6 records), Oxford city (5 records); and 1 more jurisdiction (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	46 records, 1962 to 2026	F/EF0 to F/EF3 (median F/EF1); 44 with a recorded value	F3 tornado, 1998-05-15, 14 mi within this county, 400 yd wide, \$6,000,000 property; crops not reported (1998 dollars), 17 direct injuries	Tornado, 2006-04-13, \$12,000,000 property; crops not reported (2006 dollars)	Event records naming jurisdictions in the plan: Lone Tree city (5 records), Hills city (4 records), Solon city (3 records), Iowa City city (2 records), North Liberty city (1 record), Oxford city (1 record), Swisher city (1 record), Tiffin 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).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	0					
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	156 records, 1996 to 2026 (155 zone- level)		Heavy Snow, 2005-01-05, \$10,000 property; crops not reported (2005 dollars); NWS zone IAZ064		No event record names a jurisdiction in the plan. Zone-level records (155) apply countywide.	

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

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

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 24 declarations covering 20 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>	Notes
2020-08-17	2020-08-10	DR-4557-IA	Major disaster	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted	\$3,939,495.94	
2020-03-23	2020-01-20	DR-4483-IA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$62,517,903.06	
2020-03-13	2020-01-20	EM-3480-IA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4483
2014-08-05	2014-06-26	DR-4187-IA	Major disaster	Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	Inland Flooding; Strong Wind; Tornado	\$1,692,083.50	
2013-07-02	2013-05-19	DR-4126-IA	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$2,797,327.11	
2013-05-31	2013-04-17	DR-4119-IA	Major disaster	Severe Storms, Straight-Line Winds, and Flooding	Inland Flooding (primary); also designated: Strong Wind	\$720,554.22	
2008-05-27	2008-05-25	DR-1763-IA	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	\$457,359,014.01	
2008-01-04	2007-12-10	DR-1737-IA	Major disaster	Severe Winter Storm	Ice Storm	\$760,951.53	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Notes
						<i>federal share obligated, nominal dollars</i>	
2007-03-14	2007-02-23	DR-1688-IA	Major disaster	Severe Winter Storms	Winter Weather	\$373,220.56	
2005-09-10	2005-08-29	EM-3239-IA	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded	
2004-05-25	2004-05-19	DR-1518-IA	Major disaster	Severe Storms, Tornadoes, and Flooding	Inland Flooding; Tornado	PA not declared for this county	
2002-06-19	2002-06-03	DR-1420-IA	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county	
1998-07-02	1998-06-13	DR-1230-IA	Major disaster	Severe Storms, Tornadoes and Flooding	Inland Flooding (primary); also designated: Tornado	no Public Assistance recorded	
1996-06-24	1996-05-08	DR-1121-IA	Major disaster	Severe Storms and Flooding	Inland Flooding	no Public Assistance recorded	
1993-07-09	1993-04-13	DR-996-IA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1991-07-12	1991-06-01	DR-911-IA	Major disaster	Severe Storms & Flooding	Inland Flooding	PA not declared for this county	
1990-09-06	1990-07-25	DR-879-IA	Major disaster	Severe Storms & Flooding	Inland Flooding	PA not declared for this county	
1990-05-26	1990-05-18	DR-868-IA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1974-06-24	1974-06-24	DR-443-IA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1973-05-23	1973-05-23	DR-386-IA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1972-08-18	1972-08-18	DR-348-IA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded	
1969-08-14	1969-08-14	DR-269-IA	Major disaster	Heavy Rains & Flooding	Inland Flooding	no Public Assistance recorded	
1968-05-29	1968-05-29	DR-240-IA	Major disaster	Tornadoes & Severe Storms	Tornado	no Public Assistance recorded	
1965-04-22	1965-04-22	DR-193-IA	Major disaster	Flooding	Inland Flooding	no Public Assistance recorded	

School districts and special districts in this county: \$502,911,843.16 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

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
1962-09-05	1962-09-05	DR-133-IA	Major disaster	Floods	Inland Flooding
1961-03-31	1961-03-31	DR-111-IA	Major disaster	Floods	Inland Flooding
1958-07-05	1958-07-05	DR-86-IA	Major disaster	Floods	Inland Flooding
1954-06-23	1954-06-23	DR-17-IA	Major disaster	Flood	Inland Flooding
1953-06-11	1953-06-11	DR-8-IA	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, \$2,950.56

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-1367-IA	2001-05-02	Severe Storms, Tornadoes and Flooding	Iowa Medical and Classification Center - Department of Corrections	\$2,950.56

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.

Public Assistance not placed in any Iowa county: 11 rows, \$7,881,708.52; listed on the Iowa state page.

Source: 3

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 records	In the 12 months before plan approval records	Last 5 years records	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Cold Wave	21	0	0	0	0	0	1996 to 2026-06-30	Includes 6 Frost/Freeze records.
Drought	15	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	229	23	5	53	0	0	1955 to 2026-06-30	
Heat Wave	5	0	0	0	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	9	0	1	1	1	0	1996 to 2026-06-30	

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
Inland Flooding	75	1	2	8	17	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	10	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	297	20	5	72	2	0	1955 to 2026-06-30	Includes 14 High Wind and 1 Strong Wind records.
Tornado	46	1	0	10	6	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	156	2	1	9	1	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2026-03-10	Hail	2.75 in	\$0 property; \$0 crops (2026 dollars)	0, 0	OASIS	new since last plan; within last 5 years	B1-c worst recorded: Hail
2021-12-15	High Wind	61 kt (70 mph) estimated gust	\$0 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone IAZ064 (JOHNSON), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2019-01-29	Extreme Cold/ Wind Chill		\$0 property; \$0 crops (zone total, 2019 dollars)	1, 0	NWS zone IAZ064 (JOHNSON), zone-level		deaths or injuries recorded
2011-05-29	Thunderstorm Wind	65 kt (75 mph) estimated gust	\$10,000 property; \$0 crops (2011 dollars)	1, 0	LAKE MACBRIDE SP		deaths or injuries recorded
2008-06-01	Flood		\$230,000,000 property; \$0 crops (2008 dollars)	0, 0	KENT COUNTY PARK to SHARON CENTER		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2005-07-01	Drought		property not reported; \$8,590,000 crops (zone total, 2005 dollars)	0, 0	NWS zone IAZ064 (JOHNSON), zone-level		B1-c worst recorded: Drought
2005-05-03	Frost/Freeze		property not reported; \$247,500 crops (zone total, 2005 dollars)	0, 0	NWS zone IAZ064 (JOHNSON), zone-level		B1-c worst recorded: Frost/Freeze
2000-12-01	Cold/Wind Chill		damage not reported	0, 0	NWS zone IAZ064 (JOHNSON), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1999-07-19	Heat		damage not reported	0, 0	NWS zone IAZ064 (JOHNSON), zone-level		B1-c worst recorded: Excessive Heat, Heat
1998-05-15	Tornado	F3, 14 mi within this county, 400 yd wide	\$6,000,000 property; crops not reported (1998 dollars)	0, 17	HILLS to IOWA CITY		B1-c worst recorded: Tornado
1985-07-14	Thunderstorm Wind	83 kt (96 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1962-05-22	Tornado	F2, 4.1 mi path length (whole path, pre-1996), 800 yd wide	\$250,000 property; crops not recorded (1962 dollars)	1, 0	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (863 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Cold Wave	7.16	event-days per year	about 7.16 days per year	Likely	Storm Events event- days in 8 of 30 years, 1996 to 2025 (26.7%)	136	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	12.9	event-days per year	about 12.9 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	434	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000991	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0991%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	4.44	events per year	about 4.44 per year	Highly likely	FEMA annualized frequency (modeled)	168.7 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	7	event-days per year	about 7 days per year	Likely	Storm Events event- days in 5 of 30 years, 1996 to 2025 (16.7%)	105	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.00575	events per year	about 1 in 174 years	Unlikely	FEMA annualized frequency (modeled)	2	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	0.459	event-days per year	about 0.459 days per year	Likely	Storm Events event- days in 7 of 30 years, 1996 to 2025 (23.3%)	31	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.96	event-days per year	about 1.96 days per year	Likely	Storm Events event- days in 22 of 30 years, 1996 to 2025 (73.3%)	55	1996 to 2023 (28 years)	see B1-f	
Landslide	0.203	events per year (modeled)	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	44.3	days per year with a strike	about 44.3 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Strong Wind	6.41	events per year	about 6.41 per year	Highly likely	FEMA annualized frequency (modeled)	244	1986 to 2023 (38 years)	countywide	
Tornado	0.593	events per year	about 0.59 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.000787	annual probability at a location	chance a given location in the county burns in a year: 0.0787%		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	15.5	event-days per year	about 15.5 days per year	Highly likely	Storm Events event-days in 29 of 30 years, 1996 to 2025 (96.7%)	295	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	93	30	3.1
Hail	2.00 in+	1996 to 2025	5	30	0.167
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	176	30	5.87
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	29	30	0.967
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	8	30	0.267
Tornado	EF0-1	1996 to 2025	21	30	0.7
Tornado	EF2-3	1996 to 2025	5	30	0.167
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Cold Wave	36 of 36	60.5	84.8	94.6	Relatively High 30, Relatively Moderate 6
Drought	21 of 36	67.1	85.9	98.6	Relatively High 2, Relatively Moderate 4, Relatively Low 9, Very Low 6, No Rating 15
Earthquake	36 of 36	8.1	18.7	57.7	Relatively Low 2, Very Low 34
Hail	36 of 36	77.3	89.3	99.2	Very High 1, Relatively High 20, Relatively Moderate 15
Heat Wave	36 of 36	37.0	70.9	87.9	Relatively High 4, Relatively Moderate 28, Relatively Low 4
Hurricane	36 of 36	14.1	17.5	32.0	Very Low 36
Ice Storm	36 of 36	39.4	67.1	91.8	Relatively High 1, Relatively Moderate 16, Relatively Low 19
Inland Flooding	36 of 36	5.3	46.1	94.1	Relatively High 5, Relatively Moderate 11, Relatively Low 18, Very Low 2
Landslide	36 of 36	27.4	64.0	96.2	Relatively Moderate 2, Relatively Low 7, Very Low 27
Lightning	36 of 36	33.1	63.1	88.4	Relatively High 5, Relatively Moderate 27, Relatively Low 4
Strong Wind	36 of 36	86.6	97.9	99.9	Very High 23, Relatively High 13

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	36 of 36	82.8	98.5	100.0	Very High 31, Relatively High 5
Wildfire	25 of 36	18.9	72.4	88.0	Relatively Low 14, Very Low 11, No Rating 11
Winter Weather	36 of 36	58.3	82.7	95.5	Relatively High 25, Relatively Moderate 11

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Johnson County	County	Approved, expires 2030-07-02	FMA RL 0, SRL 1; any 7	\$2,635,458.41	0 total; 0 since its plan	Includes \$455,756.26 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Coralville city	City	Approved, expires 2030-07-02	FMA RL 0, SRL 4; any 8	\$8,430,232.15	27 total; 0 since its plan	Includes \$418,017.21 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Hills city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$48,105.33	36 total; no approved plan	
Iowa City city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	FMA RL 0, SRL 1; any 2	\$8,965,586.42	114 total; no approved plan	Includes \$940,738.57 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Lone Tree city	City	Approved, expires 2030-07-02	FMA RL 0, SRL 0; any 0	\$5,608.28	25 total; 2 since its plan	
North Liberty city	City	Approved, expires 2030-07-02	FMA RL 0, SRL 0; any 1	\$320,162.02	53 total; 6 since its plan	Includes \$186,246.56 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Oxford city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$10,582.50	14 total; no approved plan	
Shueyville city	City	Approved, expires 2030-07-02	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	4 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Solon city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$354,606.26	25 total; no approved plan	Includes \$160,756.05 for declarations not counted as hazard incidents (DR-4483-IA, DR-4557-IA).
Swisher city	City	Approved, expires 2030-07-02	FMA RL 0, SRL 0; any 1	\$189,850.63	33 total; 0 since its plan	Includes \$189,850.63 for declarations not counted as hazard incidents (DR-4557-IA).
Tiffin city	City	Approved, expires 2030-07-02	FMA RL 0, SRL 0; any 0	\$87,082.43	33 total; 0 since its plan	Includes \$48,213.63 for declarations not counted as hazard incidents (DR-4557-IA).
University Heights city	City	Plan 110530 approved 2025-07-03, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$103,400.24	19 total; no approved plan	Includes \$96,873.94 for declarations not counted as hazard incidents (DR-4557-IA).
West Branch city	City	Expired on 2026-02-23	FMA RL 0, SRL 0; any 3	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Cedar County; none of its repeat-flood properties are in this county.

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

School districts and special districts get a plan clock row only.

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 2025-07-03 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Cold Wave	\$34,132,529,446	\$282,761,630	152,809	\$3,142	\$172,779	\$10,306,567	under 0.0001%				
Drought	n/a	\$144,021,946	n/a	n/a	\$1,462,135	n/a	1.02% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$60,243,479,147	n/a	152,854	\$229,104	n/a	\$64,919	0.00038%				
Hail	\$34,132,529,446	\$282,761,630	152,809	\$3,997,526	\$16,298	\$345,384	0.0117%	\$0			
Heat Wave	\$34,132,529,446	\$282,761,630	152,809	\$19,146	\$6	\$3,499,051	under 0.0001%				
Hurricane	\$34,132,239,362	\$280,620,751	152,808	\$2,964	\$1,630	under \$1	under 0.0001%				
Ice Storm	\$34,122,282,043	n/a	152,743	\$243,711	n/a	\$184,562	0.000714%				
Inland Flooding	\$34,118,858,989	\$24,244,096	5,209	\$26,282,665	\$500,962	\$681,349	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	\$863,974,618	n/a	3,981	\$2,761	n/a	\$17,696	0.00032%				
Lightning	\$34,132,529,446	n/a	152,809	\$60,877	n/a	\$769,461	0.000178%				
Strong Wind	\$34,132,529,446	\$282,761,630	152,809	\$5,884,543	\$622,259	\$3,988,004	0.0172%	\$0	\$0		
Tornado	\$34,132,529,446	\$282,761,630	152,809	\$21,473,912	\$12,232	\$14,749,156	0.0629%	\$0			

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 2025-07-03 <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
Wildfire	\$2,571,451,546	\$72,245,868	17,872	\$141,689	\$430	\$21,602	0.00551%				
Winter Weather	\$34,132,529,446	\$282,761,630	152,809	\$73,703	\$423	\$417,547	0.000216%		\$0		

Totals since 2025-07-03 (Storm Events through 2026-06-30): 44 county-coded records, 44 with a damage value recorded (including \$0), \$0; 3 zone-level records, 3 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: no counted declaration since the plan.

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	152,809
Building value (total, not at risk)	\$34,132,529,446
Agriculture value (total, not at risk)	\$282,761,630
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$61,204,898
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)	\$35,045,298
Social vulnerability rating	Very Low
Community resilience rating	Very High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	6
Repetitive loss, NFIP insurance definition	14	Severe repetitive loss, NFIP insurance definition	1

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

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	0	6	14	1	19	2	8
of which: Coralville city	0	4	5	1	8	2	3
of which: Iowa City city	0	1	1	0	2	0	2
of which: North Liberty city	0	0	1	0	1	0	0
of which: Swisher city	0	0	1	0	1	0	0
of which: Johnson County (unincorporated area)	0	1	6	0	7	0	3
Statewide, no county in FEMA's file	0	0	1	0	1	0	0

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Johnson County	190882	0	1	6	0	7	0	3	
Coralville city	190169	0	4	5	1	8	2	3	
Hills city	190170	0	0	0	0	0	0	0	
Iowa City city	190171	0	1	1	0	2	0	2	
Lone Tree city	190610	0	0	0	0	0	0	0	
North Liberty city	190630	0	0	1	0	1	0	0	
Oxford city	190172	0	0	0	0	0	0	0	
Shueyville city	195184	0	0	0	0	0	0	0	
Solon city	190432	0	0	0	0	0	0	0	
Swisher city	190810	0	0	1	0	1	0	0	

Jurisdiction	NFIP community ID	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
Tiffin city	190173	0	0	0	0	0	0	0	
University Heights city	190670	0	0	0	0	0	0	0	
West Branch city	190058	0	0	3	0	3	0	1	Whole community, including the part in Cedar County; none of its repeat-flood properties are in this county.

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	0	3	8	0	11	0	5
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	3	5	1	7	2	3
not reported	0	0	0	0	0	0	0

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

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

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

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 14 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)

6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_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_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/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Johnson County, IA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 19103). Automated baseline. <https://hazardplain.org/ia/19103/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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