

Mason County, WA

Risk-assessment baseline packet

County FIPS: 53045 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2028-09-12. Plan: Mason County Hazard Mitigation Plan (FEMA plan 109120), approved 2023-09-13.

Since the plan was approved on 2023-09-13: 3 new hazard declarations (2 incidents) and 4 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): Earthquake (\$26,332,449 a year), Inland Flooding (\$14,807,871) and Coastal Flooding (\$1,276,639).

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; 53045 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 2028-09-12

Approved:

2023-09-13

Plan:

Mason County Hazard Mitigation Plan (FEMA plan 109120)

Days to expiry:

713

What changed since your last plan (approved 2023-09-13)

New federal declarations:

3 new hazard declarations (2 incidents): DR-4775-WA (Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), EM-3629-WA (Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), DR-4906-WA (Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides)

Repetitive loss now:

FMA RL 1, SRL 4 (44 CFR 77.2); any definition: 27

Storm Events records since approval:

4 records (data through 2026-06-30)

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 negative = days since expiry
Mason County	County	Approved, expires 2028-09-12	Mason County Hazard Mitigation Plan (FEMA plan 109120)	2023-09-13	2028-09-12	713
Shelton city	City	Approved, expires 2028-09-12	Mason County Hazard Mitigation Plan (FEMA plan 109120)	2023-09-13	2028-09-12	713
Central Mason Fire & EMS	Fire/EMS District	Approved, expires 2028-09-12	Mason County Hazard Mitigation Plan (FEMA plan 109120)	2023-09-13	2028-09-12	713
Fire District #16	Fire/EMS District	Approved, expires 2028-09-12	Mason County Hazard Mitigation Plan (FEMA plan 109120)	2023-09-13	2028-09-12	713
Mason County Fire District #4	Fire/EMS District	Approved, expires 2028-09-12	Mason County Hazard Mitigation Plan (FEMA plan 109120)	2023-09-13	2028-09-12	713
PUD #1	Electric/Power Authority	Approved, expires 2028-09-12	Mason County Hazard Mitigation Plan (FEMA plan 109120)	2023-09-13	2028-09-12	713
PUD #3	Electric/Power Authority	Approved, expires 2028-09-12	Mason County Hazard Mitigation Plan (FEMA plan 109120)	2023-09-13	2028-09-12	713

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 modeled dollars per year	EAL agriculture modeled dollars per year	Cost of expected deaths and injuries FEMA's dollar value per year, not property damage	EAL total (see note) modeled dollars per year	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Earthquake	Relatively Moderate	Relatively Moderate	\$18,360,232	n/a	\$7,972,216	\$26,332,449			Storm Events does not record earthquakes.
2	Inland Flooding	Relatively Moderate	Relatively Low	\$14,760,445	\$5,581	\$41,845	\$14,807,871	5		
3	Coastal Flooding	Relatively Moderate	Relatively Moderate	\$1,181,997	n/a	\$94,642	\$1,276,639	1		
4	Heat Wave	Relatively Low	Relatively Low	\$177	\$5,969	\$647,321	\$653,467	3		
5	Landslide	Relatively High	Relatively Moderate	\$10,894	n/a	\$489,286	\$500,180	4		
6	Tsunami	Very Low	Very Low	\$85,988	n/a	\$347,131	\$433,119	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
7	Tornado	Very Low	Very Low	\$29,695	\$152	\$63,718	\$93,566	1		
8	Lightning	Very Low	Very Low	\$5,282	n/a	\$48,929	\$54,211	2		
9	Winter Weather	Relatively Low	Relatively Low	\$7,398	\$436	\$38,952	\$46,786	67		
10	Strong Wind	Very Low	Very Low	\$25,852	\$2	\$7,536	\$33,390	32		Includes 21 High Wind and 11 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
11	Wildfire	Very Low	Very Low	\$24,600	\$2	\$1,264	\$25,866	2		

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>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
12	Ice Storm	Very Low	Very Low	\$16,170	n/a	\$3,297	\$19,468	1		
13	Hail	Very Low	Very Low	\$2,869	\$325	\$646	\$3,839	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Avalanche	Very Low	Very Low	\$4	n/a	\$221	\$225	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Volcanic Activity	Very Low	Very Low	under \$1	n/a	\$8	\$8	0		Declared 1 time; no Storm Events record of this type.
16	Drought	Very Low	Very Low	n/a	\$5	n/a	\$5	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
17	Cold Wave	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Hurricane	Not Applicable	Not Applicable					0	NRI rates hurricane Not Applicable for this county, and no counted federal declaration for this county names it (EM-3227-WA names it but is not counted as a local occurrence; see B1-d).	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 tsunami and volcanic activity records (Storm Events records these hazards only in part).

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.

Coastal Flooding and 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 9602.01 (Very Low, 29.5); tract 9613 (Very Low, 28.5); tract 9400 (Very Low, 27.2)
Earthquake	tract 9608 (Very High, 99.4); tract 9604.01 (Very High, 98.4); tract 9605 (Relatively High, 97.0)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 9601 (Relatively High, 99.8); tract 9603.01 (Relatively High, 99.6); tract 9613 (Relatively High, 99.4)
Tornado	tract 9604.01 (Very Low, 24.9); tract 9605 (Very Low, 24.3); tract 9608 (Very Low, 20.4)
Tsunami	tract 9605 (Relatively Moderate, 80.5); tract 9604.02 (Relatively Low, 73.8); tract 9603.02 (Relatively Low, 63.2)
Volcanic Activity	tract 9611.01 (Very Low, 81.2); tract 9604.03 (Very Low, 76.5); tract 9610 (Very Low, 68.2)
Wildfire	tract 9605 (Relatively Low, 80.8); tract 9603.01 (Relatively Low, 77.8); tract 9602.02 (Relatively Low, 76.1)

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 9602.01 is Census Tract 9602.01). 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					
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	1 record, 2012 (1 zone-level)		Coastal Flood, 2012-12-17, \$2,000 property; \$0 crops (2012 dollars); NWS zone WAZ511		Countywide (zone-level records).	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
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)	1 record, 1985	1 in; 1 with a recorded value	1 in hail, 1985-10-22		No event record names a jurisdiction in the plan.	
Excessive Heat, Heat	heat index (in event narratives)	3 records, 2021 to 2023 (3 zone-level)	1 day to 5 days (median 3 days); 3 with a recorded value	5 consecutive days, 2023-05-12 to 2023-05-16, 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)	1 record, 2012 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	5 records, 2007 to 2021		Flood, 2009-01-07, \$900,000 property; \$0 crops (2009 dollars)		Event records naming jurisdictions in the plan: Shelton city (1 record).	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)	4 records, 2006 to 2011 (4 zone-level)		Debris Flow, 2007-12-03, \$500,000 property; \$0 crops (2007 dollars), 1 direct death (reported for the zone); NWS zone WAZ511		Countywide (zone-level records).	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	2 records, 1997 to 2013		Lightning, 1997-07-05, \$70,000 property; crops not reported (1997 dollars)		No event record names a jurisdiction in the plan.	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	32 records, 2006 to 2021 (32 zone-level)	35 kt (40 mph) to 93 kt (107 mph) (median 48.5 kt (56 mph)); 32 with a recorded value	93 kt (107 mph) measured gust, High Wind, 2009-11-18; NWS zone WAZ513	High Wind, 2006-12-14, \$2,800,000 property; \$0 crops (zone total, 2006 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	1 record, 2019	F/EF1; 1 with a recorded value	EF1 tornado, 2019-10-18, 0.68 mi within this county, 90 yd wide, \$150,000 property; \$0 crops (2019 dollars)		No event record names a jurisdiction in the plan.	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).
Tsunami	none (count and damage only)	0					
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	2 records, 2012 to 2015 (2 zone-level)		Wildfire, 2012-10-04, property not reported; \$1,100,000 crops (2012 dollars); NWS zone WAZ511		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	67 records, 2006 to 2025 (67 zone-level)		Heavy Snow, 2008-12-21, \$600,000 property; \$0 crops (2008 dollars); NWS zone WAZ511		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, lightning, tsunami and volcanic ash, volcanic ashfall.

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: 32 declarations covering 28 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
2026-04-07	2025-12-05	DR-4906-WA	Major disaster	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind	\$21,139.41	new since last plan; within last 5 years	
2025-12-12	2025-12-09	EM-3629-WA	Emergency	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-4906
2024-04-28	2024-01-05	DR-4775-WA	Major disaster	Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Strong Wind; Winter Weather	\$811,465.35	new since last plan; within last 5 years	
2023-07-05	2023-07-04	FM-5468-WA	Fire management	McEwan Fire	Wildfire	no Public Assistance recorded	in the 12 months before plan approval; within last 5 years	
2022-03-29	2021-12-26	DR-4650-WA	Major disaster	Severe Winter Storms, Snowstorms, Straight-Line Winds, Flooding	Inland Flooding (primary); also designated: Strong Wind, Winter Weather	\$1,212,247.94	within last 5 years	
2021-04-08	2020-12-29	DR-4593-WA	Major disaster	Severe Winter Storm, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Strong Wind; Winter Weather	\$379,021.60		
2020-04-23	2020-01-20	DR-4539-WA	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide	\$475,508.69		
2020-03-22	2020-01-20	DR-4481-WA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$1,479,283.26		
2020-03-13	2020-01-20	EM-3427-WA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4481
2019-03-04	2018-12-10	DR-4418-WA	Major disaster	Severe Winter Storms, Straight-Line Winds, Flooding, Landslides, Mudslides, Tornado	Inland Flooding; Landslide; Strong Wind; Tornado; Winter Weather	\$243,912.75		
2016-02-02	2015-12-01	DR-4253-WA	Major disaster	Severe Winter Storm, Straight-Line Winds, Flooding, Landslides, Mudslides, and a T	Inland Flooding (primary); also designated: Landslide, Strong Wind, Winter Weather	\$425,012.93		
2016-01-15	2015-11-12	DR-4249-WA	Major disaster	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Strong Wind	\$349,126.39		
2012-03-05	2012-01-14	DR-4056-WA	Major disaster	Severe Winter Storm, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Winter Weather	\$428,114.57		
2009-03-02	2008-12-12	DR-1825-WA	Major disaster	Severe Winter Storm and Record and Near Record Snow	Winter Weather	\$264,414.13		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						federal share obligated,	nominal dollars		
2009-01-30	2009-01-06	DR-1817-WA	Major disaster	Severe Winter Storm, Landslides, Mudslides, and Flooding	Inland Flooding (primary); also designated: Landslide, Winter Weather		\$496,490.87		
2007-12-08	2007-12-01	DR-1734-WA	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide		\$3,879,707.73		
2007-02-14	2006-12-14	DR-1682-WA	Major disaster	Severe Winter Storm, Landslides, and Mudslides	Landslide; Winter Weather		\$1,157,097.26		
2006-05-17	2006-01-27	DR-1641-WA	Major disaster	Severe Storms, Flooding, Tidal Surge, Landslides, and Mudslides	Inland Flooding; Landslide		\$208,865.99		
2005-09-07	2005-08-29	EM-3227-WA	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded			
2003-11-07	2003-10-15	DR-1499-WA	Major disaster	Severe Storms and Flooding	Inland Flooding		\$538,767.85		
2001-03-01	2001-02-28	DR-1361-WA	Major disaster	Earthquake	Earthquake		\$371,411.99		
1997-04-02	1997-03-18	DR-1172-WA	Major disaster	Heavy Rains, Snow Melt, Flooding, Land & Mud Slides	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded			
1997-01-17	1996-12-26	DR-1159-WA	Major disaster	Severe Winter Storms, Land & Muds Slides,Flooding	Inland Flooding; Landslide; Winter Weather	no Public Assistance recorded			
1996-01-03	1995-11-07	DR-1079-WA	Major disaster	Severe Storms, High Wind, and Flooding	Inland Flooding; Strong Wind	no Public Assistance recorded			
1993-03-04	1993-01-20	DR-981-WA	Major disaster	Severe Storms & High Wind	Strong Wind	no Public Assistance recorded			
1990-11-26	1990-11-09	DR-883-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded			
1980-05-21	1980-05-21	DR-623-WA	Major disaster	Volcanic Eruption, Mt. St. Helens	Volcanic Activity	no Public Assistance recorded			
1979-12-31	1979-12-31	DR-612-WA	Major disaster	Storms, High Tides, Mudslides & Flooding	Inland Flooding (primary); also designated: Coastal Flooding, Landslide	PA not declared for this county			
1975-12-13	1975-12-13	DR-492-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded			
1974-01-25	1974-01-25	DR-414-WA	Major disaster	Severe Storms, Snowmelt & Flooding	Inland Flooding	no Public Assistance recorded			
1965-05-11	1965-05-11	DR-196-WA	Major disaster	Earthquake	Earthquake	no Public Assistance recorded			
1964-12-29	1964-12-29	DR-185-WA	Major disaster	Heavy Rains & 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
1963-03-02	1963-03-02	DR-146-WA	Major disaster	Floods	Inland Flooding
1962-10-20	1962-10-20	DR-137-WA	Major disaster	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted
1957-03-06	1957-03-06	DR-70-WA	Major disaster	Floods	Inland Flooding
1956-02-25	1956-02-25	DR-50-WA	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.

16 Fire Management declarations (1970-07-18 to 1998-09-25) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Public Assistance filed under this county for declarations that do not list it: 1 row, \$42,311.71

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4635-WA	2022-01-05	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Public Utility District #1 of Mason County	\$42,311.71

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 Washington county: 1 row, \$248,381.20; listed on the Washington 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 <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
Coastal Flooding	1	0	0	0	1	0	1996 to 2026-06-30	
Cold Wave	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0	0	0	0	2	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	1	0	0	0	0	0	1955 to 2026-06-30	
Heat Wave	3	0	1	2	0	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
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	1	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	5	0	0	0	21	2	1996 to 2026-06-30	
Landslide	4	0	0	0	15	2	1996 to 2026-06-30	
Lightning	2	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	32	0	0	0	9	2	1955 to 2026-06-30	Includes 21 High Wind and 11 Strong Wind records.
Tornado	1	0	0	0	1	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Wildfire	2	0	0	0	1	0	1996 to 2026-06-30	
Winter Weather	67	4	4	12	10	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
2023-05-12	Heat		\$0 property; \$0 crops (zone total, 2023 dollars)	0, 0	NWS zone WAZ511 (HOOD CANAL AREA), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2019-10-18	Tornado	EF1, 0.68 mi within this county, 90 yd wide	\$150,000 property; \$0 crops (2019 dollars)	0, 0	BAY SHR		B1-c worst recorded: Tornado
2012-12-17	Coastal Flood		\$2,000 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone WAZ511 (HOOD CANAL AREA), zone-level		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2012-10-04	Wildfire		property not reported; \$1,100,000 crops (zone total, 2012 dollars)	0, 0	NWS zone WAZ511 (HOOD CANAL AREA), zone-level		B1-c worst recorded: Wildfire
2009-11-18	High Wind	93 kt (107 mph) measured gust	\$0 property; \$0 crops (zone total, 2009 dollars)	0, 0	NWS zone WAZ513 (OLYMPICS), zone-level		B1-c worst recorded: High Wind and Strong Wind
2009-01-07	Flood		\$900,000 property; \$0 crops (2009 dollars)	0, 0	SHELTON		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2008-12-21	Heavy Snow		\$600,000 property; \$0 crops (zone total, 2008 dollars)	0, 0	NWS zone WAZ511 (HOOD CANAL AREA), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2008-01-14	Strong Wind	43 kt (49 mph) estimated gust	\$0 property; \$0 crops (zone total, 2008 dollars)	1, 0	NWS zone WAZ511 (HOOD CANAL AREA), zone-level		deaths or injuries recorded
2007-12-03	Debris Flow		\$500,000 property; \$0 crops (zone total, 2007 dollars)	1, 0	NWS zone WAZ511 (HOOD CANAL AREA), zone-level		deaths or injuries recorded
2006-12-14	High Wind	78 kt (90 mph) measured gust	\$1,000,000 property; \$0 crops (zone total, 2006 dollars)	1, 1	NWS zone WAZ512 (LOWER CHEHALIS VALLEY AREA), zone-level		deaths or injuries recorded
1997-07-05	Lightning		\$70,000 property; crops not reported (1997 dollars)	0, 0	BELFAIR		B1-c worst recorded: Lightning
1985-10-22	Hail	1 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail

The full list is in the Excel file, sheet "B1-d Storm Events history" (119 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
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Coastal Flooding	3.15	events per year at a location (modeled)	about 3.1 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0	event-days per year	none modeled		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	0	2005-11-12 to 2024-11-12 (19 years)	countywide	No Storm Events cold wave record, 1996 to 2025.
Drought	1.27	event-days per year	about 1.27 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	35	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.0294	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 2.94%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.0103	events per year	about 1 in 97 years	Possible	FEMA annualized frequency (modeled)	0.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.67	event-days per year	about 2.67 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	35.3	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic); 1949 to 2024 (Pacific)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.306	event-days per year	about 0.306 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	21	1946-12-31 to 2014-02-12 (67 years)	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
Inland Flooding	0.179	event-days per year	about 0.179 days per year	Likely	Storm Events event-days in 4 of 30 years, 1996 to 2025 (13.3%)	5	1996 to 2023 (28 years)	see B1-f	
Landslide	10.9	events per year (modeled)	about 10.9 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	5.15	days per year with a strike	about 5.15 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.00883	events per year	about 1 in 113 years	Unlikely	FEMA annualized frequency (modeled)	1	1986 to 2023 (38 years)	countywide	
Tornado	0.0434	events per year	about 1 in 23 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami	0.0553	annual probability at the most exposed location (used in place of a county value)	chance at the county's most exposed location in a year: 5.53%		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
Volcanic Activity	0.001	annual probability	about 1 in 1,000 years	Unlikely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0000654	annual probability at a location	chance a given location in the county burns in a year: 0.00654%	Possible	Storm Events records in 2 of 30 years, 1996 to 2025 (6.67%)	not shown	modeled	see B1-f	
Winter Weather	11.8	event-days per year	about 11.8 days per year	Likely	Storm Events event-days in 18 of 30 years, 1996 to 2025 (60%)	209	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	0	30	0
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	0	30	0
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	0	30	0
Tornado	EF0-1	1996 to 2025	1	30	0.0333
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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	5 of 19	25.3	27.2	29.5	Very Low 5, Not Applicable 14
Coastal Flooding	16 of 19	69.6	93.0	98.1	Relatively High 5, Relatively Moderate 9, Very Low 2, No Rating 3
Cold Wave	0 of 19				No Rating 19
Drought	7 of 19	67.0	67.1	68.5	Very Low 7, No Rating 12
Earthquake	19 of 19	82.7	94.4	99.4	Very High 2, Relatively High 14, Relatively Moderate 3
Hail	19 of 19	1.2	5.5	12.8	Very Low 19
Heat Wave	19 of 19	6.5	53.0	70.3	Relatively Moderate 7, Relatively Low 10, Very Low 2
Hurricane	0 of 19				Not Applicable 19
Ice Storm	19 of 19	1.7	14.1	39.7	Relatively Low 1, Very Low 18
Inland Flooding	19 of 19	8.2	74.4	93.8	Relatively High 7, Relatively Moderate 7, Relatively Low 4, Very Low 1
Landslide	19 of 19	28.7	97.3	99.8	Relatively High 4, Relatively Moderate 8, Relatively Low 6, Very Low 1
Lightning	19 of 19	2.7	19.3	33.0	Relatively Low 9, Very Low 10
Strong Wind	19 of 19	5.0	14.2	20.2	Relatively Low 1, Very Low 18
Tornado	19 of 19	3.5	14.5	24.9	Very Low 19
Tsunami	14 of 19	20.8	47.0	80.5	Relatively Moderate 1, Relatively Low 5, Very Low 8, No Rating 2, Not Applicable 3
Volcanic Activity	5 of 19	42.1	68.2	81.2	Very Low 5, No Rating 14
Wildfire	19 of 19	28.5	71.4	80.8	Relatively Low 10, Very Low 9
Winter Weather	19 of 19	26.4	52.1	67.0	Relatively Moderate 12, Relatively Low 7

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 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	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Mason County	County	Approved, expires 2028-09-12	FMA RL 1, SRL 4; any 26	\$5,333,313.73	0 total; 0 since its plan	Includes \$126,284.52 for declarations not counted as hazard incidents (DR-4481-WA).
Shelton city	City	Approved, expires 2028-09-12	FMA RL 0, SRL 0; any 0	\$238,744.99	1 total; 0 since its plan	Includes \$48,385.72 for declarations not counted as hazard incidents (DR-4481-WA).

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	Agriculture exposure	Population exposed	EAL buildings	EAL agriculture	Cost of expected deaths and injuries	EAL as % of exposure	Storm Events damage since 2023-09-13	Zone-level damage since plan	Public Assistance since plan	Note
	<i>modeled dollars</i>	<i>modeled dollars</i>	<i>people</i>	<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>FEMA's dollar value per year, not property damage</i>	<i>buildings; agriculture where noted</i>	<i>county-coded records, property plus crops, nominal dollars</i>	<i>property plus crops, reported for the zone</i>	<i>nominal dollars; see note</i>	
Avalanche	\$3,338,700	n/a	under 1	\$4	n/a	\$221	0.000105%				
Coastal Flooding	\$878,725,748	n/a	3,113	\$1,181,997	n/a	\$94,642	0.135%				
Cold Wave	\$0	\$0	0	\$0	\$0	\$0					building exposure is 0 in NRI

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 2023-09-13 <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
Drought	n/a	\$3,313,695	n/a	n/a	\$5	n/a	0.000144% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$23,442,671,922	n/a	65,726	\$18,360,232	n/a	\$7,972,216	0.0783%				
Hail	\$13,634,127,879	\$62,486,333	65,689	\$2,869	\$325	\$646	under 0.0001%				
Heat Wave	\$13,634,127,879	\$62,486,333	65,689	\$177	\$5,969	\$647,321	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$13,574,312,529	n/a	65,383	\$16,170	n/a	\$3,297	0.000119%				
Inland Flooding	\$13,490,182,707	\$17,617,475	2,787	\$14,760,445	\$5,581	\$41,845	n/a (see note)			\$832,604.76	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	\$1,097,794,317	n/a	4,793	\$10,894	n/a	\$489,286	0.000992%			\$832,604.76	
Lightning	\$13,634,127,879	n/a	65,689	\$5,282	n/a	\$48,929	under 0.0001%				
Strong Wind	\$13,634,127,879	\$62,486,333	65,689	\$25,852	\$2	\$7,536	0.00019%			\$832,604.76	
Tornado	\$13,634,127,879	\$62,486,333	65,689	\$29,695	\$152	\$63,718	0.000218%				
Tsunami	\$3,343,238,561	n/a	1,218	\$85,988	n/a	\$347,131	0.00257%				
Volcanic Activity	\$13,634,127,879	n/a	65,689	under \$1	n/a	\$8	under 0.0001%				
Wildfire	\$1,591,891,365	\$8,058,002	8,552	\$24,600	\$2	\$1,264	0.00155%				
Winter Weather	\$13,634,127,879	\$62,486,333	65,689	\$7,398	\$436	\$38,952	under 0.0001%		\$0	\$811,465.35	

Totals since 2023-09-13 (Storm Events through 2026-06-30): 0 county-coded records, 0 with a damage value recorded (including \$0), \$0; 4 zone-level records, 2 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: \$832,604.76 on 3 counted declarations, 2 of them with Public Assistance.

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	65,689
Building value (total, not at risk)	\$13,634,127,879
Agriculture value (total, not at risk)	\$62,486,333
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$34,524,076
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)	\$9,757,013
Social vulnerability rating	Relatively High
Community resilience rating	Relatively Low
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)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	4
Repetitive loss, NFIP insurance definition	26	Severe repetitive loss, NFIP insurance definition	3

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	1	4	26	3	27	0	11
of which: Mason County (unincorporated area)	1	4	25	3	26	0	10
of which: Skokomish Indian Tribe (community ID not in plan data)	0	0	1	0	1	0	1
Statewide, no county in FEMA's file	0	0	2	0	2	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>
Mason County	530115	1	4	25	3	26	0	10
Shelton city	530116	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	1	4	25	3	26	0	10
2 to 4 unit residential	0	0	0	0	0	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	1	0	1	0	1
not reported	0	0	0	0	0	0	0

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 25 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_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/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).

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