

Snohomish County, WA

Risk-assessment baseline packet

Unit **County area 53061** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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Plan clock

Status	Approved, expires 2031-07-27	Plan	Snohomish County Multi-Jurisdictional Hazard Mitigation Plan (2025) (FEMA plan 111538)
Approved	2026-07-28	Expires	2031-07-27
As of	2026-09-28	Days	1,763 days to expiry

What changed since your last plan (approved 2026-07-28)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet
Repetitive loss now	FMA RL 28, SRL 59 (44 CFR 77.2); any definition: 230	Repeat-flood change	First release: no prior release to compare.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Snohomish County	County	Approved, expires 2031-07-27	Snohomish County Multi-Jurisdictional Hazard Mitigation Plan (2025) (FEMA plan 111538)	2026-07-28	2031-07-27	1,763		
Everett city	City	Approved, expires 2029-10-27	Everett City Hazard Mitigation Plan (2024) (FEMA plan 110122)	2024-10-28	2029-10-27	1,125		
Marysville city	City	Approved, expires 2031-06-24	Marysville HMP (FEMA plan 111763)	2026-06-25	2031-06-24	1,730		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
Sultan city	City	Approved, expires 2031-07-27	Snohomish County Multi-Jurisdictional Hazard Mitigation Plan (2025) (FEMA plan 111538)	2026-07-28	2031-07-27	1,763		
Arlington School District	School/School District	No approved plan on record	none	none	none		FEMA tracker shows a plan awaiting revisions	

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

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

CONTENTS

1. Plan clock, page 1	7. Supports B1-e: probability, page 14
2. What changed since your last plan (approved 2026-07-28), page 1	8. Supports B1-f: variation across the planning area, page 17
3. Supports B1-a: hazards, page 3	9. Supports B2-a and B2-b: assets and impacts, page 19
4. Supports B1-b: location, page 4	10. Supports B2-a: context, page 20
5. Supports B1-c: extent, page 5	11. Supports B2-c: repetitive loss, page 21
6. Supports B1-d: previous occurrences, page 9	12. Sources and OpenFEMA disclaimer, page 23

Supports B1-a: hazards

Hazards NRI does not cover: check locally

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

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

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Earthquake	Relatively High	Relatively High	\$160,708,138		\$85,973,407	\$246,681,545			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
2	Inland Flooding	Relatively High	Relatively High	\$111,892,015	\$122	\$16,746	\$111,908,883	11		
3	Landslide	Very High	Very High	\$3,108,215		\$21,626,429	\$24,734,644	8		
4	Heat Wave	Relatively High	Relatively High	\$2,766	\$25,632	\$11,911,600	\$11,939,998	8		
5	Ice Storm	Very High	Very High	\$287,706		\$3,329,860	\$3,617,566	6		
6	Coastal Flooding	Relatively Moderate	Relatively Moderate	\$2,272,626		\$105,964	\$2,378,590	3		
7	Cold Wave	Relatively Low	Relatively Moderate	\$2,038	\$6,780	\$2,149,275	\$2,158,094	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
8	Avalanche	Relatively High	Relatively Moderate	\$2,790		\$1,708,473	\$1,711,262	5		
9	Lightning	Relatively High	Relatively High	\$52,112		\$1,203,825	\$1,255,937	9		
10	Tornado	Relatively Low	Relatively Low	\$271,919	\$219	\$761,473	\$1,033,611	4		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	EAL population equivalence statistical value of life and injury, \$13.7M per life, not property damage	EAL total (see note) modeled dollars per year	Storm Events records since 1996 count	Evidence for an omission NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
11	Winter Weather	Relatively High	Relatively High	\$51,978	\$1,416	\$707,817	\$761,210	84		
12	Volcanic Activity	Relatively Moderate	Relatively Moderate	\$266,499		\$408,505	\$675,004	0		Declared 1 time; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
13	Wildfire	Very Low	Relatively Low	\$114,035	\$3	\$5,692	\$119,730	1		
14	Strong Wind	Very Low	Very Low	\$23,245	\$2	\$50,628	\$73,875	57		Includes 29 High Wind records and 25 Strong Wind records, event types the NRI definition of this hazard leaves out.
15	Hail	Very Low	Very Low	\$54,706	\$810	\$10,692	\$66,208	3		
16	Tsunami	Very Low	Very Low	\$50,519		\$0	\$50,519	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
17	Drought	Very Low	Very Low		\$44		\$44	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).

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated rated of all tracts
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	10 of 173

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Coastal 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.	28 of 173
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	45 of 173
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	19 of 173
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	173 of 173
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	173 of 173
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	173 of 173
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 173
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	173 of 173
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.	173 of 173
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	173 of 173
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	173 of 173
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	173 of 173
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	173 of 173
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	18 of 173
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	169 of 173
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	173 of 173
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	173 of 173

SOURCE

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

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	5, 2016 to 2022 (5 zone-level)		No damage reported in 5 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Physical measure: in event narratives only; local data required.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	3, 2012 to 2022 (3 zone-level)		Coastal Flood, 2012-12-17, \$200,000 property; \$0 crops, reported for the zone (2012 dollars); NWS zone WAZ507 (EVERETT AND VICINITY), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Flood depth: see the FEMA Flood Insurance Rate Map.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	0					Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	0					Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D- scale	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	3, 2001 to 2006	0.4 in to 1 in (median 0.75 in); 3 with a recorded value	1 in hail, 2006-04-15	Hail, 2005-05-19, property not reported; \$50,000 crops (2005 dollars)	Event records naming member places: Marysville city (1 record).	
Excessive Heat, Heat	heat index (narratives)	8, 2021 to 2023 (8 zone- level)	2 days to 5 days (median 4 days); 5 with a recorded value	5 consecutive days, 2023-05-12 to 2023-05-16, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	6, 2017 to 2024 (6 zone- level)		No damage reported in 6 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	11, 1997 to 2023		Flood, 2009-01-07, \$6,500,000 property; \$0 crops (2009 dollars)		Event records naming member places: Everett city (1 record), Sultan city (1 record).	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	8, 1997 to 2017 (2 zone-level)		Debris Flow, 2014-03-22, \$60,000,000 property; \$0 crops (2014 dollars), 43 direct deaths, 12 direct injuries		Event records naming member places: Everett city (1 record). Zone-level records (2) apply countywide.	Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	9, 1996 to 2008		Lightning, 1996-09-15, damage not reported, 1 direct death	Lightning, 1997-04-10, \$35,000 property; crops not reported (1997 dollars)	Event records naming member places: Everett city (2 records), Marysville city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	54, 2006 to 2025 (54 zone-level)	20 kt (23 mph) to 62 kt (71 mph) (median 44 kt (51 mph)); 54 with a recorded value	62 kt (71 mph) measured gust, High Wind, 2025-02-25; NWS zone WAZ568 (CASCADES OF SNOHOMISH AND KING COUNTIES), zone-level: may include parts of neighboring counties	High Wind, 2006-12-14, \$5,400,000 property; \$0 crops, reported for the zone (2006 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	5, 1976 to 2012	35 kt (40 mph) to 50 kt (58 mph) (median 44 kt (51 mph)); 3 with a recorded value	50 kt (58 mph) estimated gust, Thunderstorm Wind, 2005-06-21	Thunderstorm Wind, 2010-12-14, \$30,000 property; \$0 crops (2010 dollars)	No event record names a member place.	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	7, 1970 to 2006	F/EF0 to F/EF2 (median F/EF1); 7 with a recorded value	F2 tornado, 1970-11-24, 0.3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 30 yd wide, \$25,000 property; crops not recorded (1970 dollars)	Tornado, 1971-10-26, \$25,000 property; crops not recorded (1971 dollars)	Event records naming member places: Sultan city (1 record).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	1, 2017 to 2017 (1 zone-level)		Wildfire, 2017-09-04, \$4,500,000 property; \$0 crops, reported for the zone (2017 dollars); NWS zone WAZ568 (CASCADES OF SNOHOMISH AND KING COUNTIES), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	84, 2006 to 2025 (84 zone-level)		Heavy Snow, 2008-12-21, \$3,000,000 property; \$0 crops, reported for the zone (2008 dollars); NWS zone WAZ507 (EVERETT AND VICINITY), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B1-d: previous occurrences

Declaration rows

37

Counted incidents

32

Storm Events records since the plan: not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet.

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
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	\$430,918.95	during plan review, check whether your last plan included it; 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	none found	during plan review, check whether your last plan included it; within last 5 years	same incident as DR-4906
2023-01-12	2022-11-03	DR-4682-WA	Major disaster	SEVERE WINTER STORM, STRAIGHT-LINE WINDS, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding; Landslide; Strong Wind; Winter Weather	\$12,714,416.22	within last 5 years	
2022-09-10	2022-09-10	FM-5455-WA	Fire management	BOLT CREEK FIRE	Wildfire	none found	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	\$3,706,386.49		
2020-04-23	2020-01-20	DR-4539-WA	Major disaster	SEVERE STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding (primary); also designated: Landslide	\$3,544,806.23		
2020-03-22	2020-01-20	DR-4481-WA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$13,231,509.12		
2020-03-13	2020-01-20	EM-3427-WA	Emergency	COVID-19	Non-natural, not counted	none found		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	\$3,738,443.08		
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	\$7,385,182.41		
2015-10-15	2015-08-29	DR-4242-WA	Major disaster	SEVERE WINDSTORM	Strong Wind	\$4,985,222.19		
2014-04-02	2014-03-22	DR-4168-WA	Major disaster	FLOODING AND MUDSLIDES	Landslide	\$20,294,016.88		
2014-03-24	2014-03-22	EM-3370-WA	Emergency	FLOODING AND MUDSLIDES	Landslide	none found		same incident as DR-4168

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance		Flags	Notes
						<i>federal share obligated, nominal dollars</i>			
2012-03-05	2012-01-14	DR-4056-WA	Major disaster	SEVERE WINTER STORM, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding; Landslide; Winter Weather	\$5,180,765.28			
2009-03-02	2008-12-12	DR-1825-WA	Major disaster	SEVERE WINTER STORM AND RECORD AND NEAR RECORD SNOW	Winter Weather	\$5,816,939.81			
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	\$3,294,882.21			
2007-12-08	2007-12-01	DR-1734-WA	Major disaster	SEVERE STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding; Landslide	\$1,669,900.92			
2007-02-14	2006-12-14	DR-1682-WA	Major disaster	SEVERE WINTER STORM, LANDSLIDES, AND MUDSLIDES	Landslide; Winter Weather	\$4,348,376.36			
2006-12-12	2006-11-02	DR-1671-WA	Major disaster	SEVERE STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding; Landslide	\$1,946,920.19			
2006-05-17	2006-01-27	DR-1641-WA	Major disaster	SEVERE STORMS, FLOODING, TIDAL SURGE, LANDSLIDES, AND MUDSLIDES	Inland Flooding; Landslide	\$1,346,141.68			
2005-09-07	2005-08-29	EM-3227-WA	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	none found			
2003-11-07	2003-10-15	DR-1499-WA	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$3,711,411.45			
2001-03-01	2001-02-28	DR-1361-WA	Major disaster	EARTHQUAKE	Earthquake	\$449,638.61			
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	PA not declared for this county			
1997-01-17	1996-12-26	DR-1159-WA	Major disaster	SEVERE WINTER STORMS, LAND & MUDS SLIDES,FLOODING	Inland Flooding; Landslide; Winter Weather	none found			
1996-02-09	1996-01-26	DR-1100-WA	Major disaster	HIGH WINDS, SEVERE STORMS AND FLOODING	Inland Flooding (primary); also designated: Strong Wind	none found			
1996-01-03	1995-11-07	DR-1079-WA	Major disaster	SEVERE STORMS, HIGH WIND, AND FLOODING	Inland Flooding; Strong Wind	none found			
1993-03-04	1993-01-20	DR-981-WA	Major disaster	SEVERE STORMS & HIGH WIND	Strong Wind	none found			
1991-03-08	1990-12-20	DR-896-WA	Major disaster	SEVERE STORMS & HIGH TIDES	Inland Flooding (primary); also designated: Coastal Flooding	none found			
1990-11-26	1990-11-09	DR-883-WA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found			
1986-12-15	1986-11-22	DR-784-WA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found			
1980-05-21	1980-05-21	DR-623-WA	Major disaster	VOLCANIC ERUPTION, MT. ST. HELENS	Volcanic Activity	none found			
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			
1977-12-10	1977-12-10	DR-545-WA	Major disaster	SEVERE STORMS,MUDSLIDES, & FLOODING	Inland Flooding (primary); also designated: Landslide	none found			
1975-12-13	1975-12-13	DR-492-WA	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found			

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1965-05-11	1965-05-11	DR-196-WA	Major disaster	EARTHQUAKE	Earthquake	none found		
1964-12-29	1964-12-29	DR-185-WA	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding	none found		

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars. Dollars are nominal (as reported), labeled with the year; not adjusted for inflation.

SOURCES
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
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. Listed on every county page in the state; not counted with county rows.
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.

SOURCE
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance filed under this county for declarations that do not list it: 1 row, \$242,803.29

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 Snohomish County (PUD)	\$242,803.29

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.

SOURCES
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance not placed in a county in this state: 1 row, \$248,381.20

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated	Why not placed
				<i>federal share obligated, nominal dollars</i>	
4539	2020-04-23	Confederated Tribes of the Umatilla Indian Reservation	Umatilla County	\$248,381.20	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCE

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval records	During plan review records	Last 5 years records	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	5		0	2	0	0	1996 to 2026-06-30	
Coastal Flooding	3		0	1	2	0	1996 to 2026-06-30	
Cold Wave	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	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0		0	0	2	0		No Storm Events record; local data required (e.g., USGS).
Hail	3		0	0	0	0	1955 to 2026-06-30	
Heat Wave	8		0	5	0	0	1996 to 2026-06-30	
Hurricane	0		0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	6		0	4	0	0	1996 to 2026-06-30	
Inland Flooding	11		0	2	23	0	1996 to 2026-06-30	
Landslide	8		0	0	17	0	1996 to 2026-06-30	
Lightning	9		0	0	0	0	1996 to 2026-06-30	
Strong Wind	59		0	7	9	0	1955 to 2026-06-30	Includes 29 High Wind records and 25 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	7		0	0	1	0	1950 to 2026-06-30	
Tsunami	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	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Wildfire	1		0	0	1	0	1996 to 2026-06-30	
Winter Weather	84		0	31	8	0	1996 to 2026-06-30	

SOURCESNOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2025-02-25	High Wind	62 kt (71 mph) measured gust	\$0 property; \$0 crops, reported for the zone (2025 dollars)	0, 0	NWS zone WAZ568 (CASCADES OF SNOHOMISH AND KING COUNTIES), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2023-05-12	Heat		\$0 property; \$0 crops, reported for the zone (2023 dollars)	0, 0	NWS zone WAZ556 (BELLEVUE AND VICINITY), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2021-10-24	High Wind	52 kt (60 mph) estimated gust	damage not reported	2, 0	NWS zone WAZ568 (CASCADES OF SNOHOMISH AND KING COUNTIES), zone-level: may include parts of neighboring counties	within last 5 years	deaths or injuries recorded
2017-11-13	High Wind	37 kt (43 mph) measured sustained	\$2,000,000 property; \$0 crops, reported for the zone (2017 dollars)	1, 1	NWS zone WAZ555 (EAST PUGET SOUND LOWLANDS), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2017-09-04	Wildfire		\$4,500,000 property; \$0 crops, reported for the zone (2017 dollars)	0, 0	NWS zone WAZ568 (CASCADES OF SNOHOMISH AND KING COUNTIES), zone-level: may include parts of neighboring counties		B1-c worst recorded: Wildfire
2014-03-22	Debris Flow		\$60,000,000 property; \$0 crops (2014 dollars)	43, 12	OSO		deaths or injuries recorded
2012-12-17	Coastal Flood		\$200,000 property; \$0 crops, reported for the zone (2012 dollars)	0, 0	NWS zone WAZ507 (EVERETT AND VICINITY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2009-01-07	Flood		\$6,500,000 property; \$0 crops (2009 dollars)	0, 0	GOLD BAR to ARLINGTON		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2008-12-21	Heavy Snow		\$3,000,000 property; \$0 crops, reported for the zone (2008 dollars)	0, 0	NWS zone WAZ507 (EVERETT AND VICINITY), zone-level: may include parts of neighboring counties		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2005-06-21	Thunderstorm Wind	50 kt (58 mph) estimated gust	damage not reported	0, 0	DARRINGTON		B1-c worst recorded: Thunderstorm Wind
1996-09-15	Lightning		damage not reported	1, 0	MARYSVILLE		B1-c worst recorded: Lightning
1970-11-24	Tornado	F2, 0.3 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 30 yd wide	\$25,000 property; crops not recorded (1970 dollars)	0, 0	location not recorded		B1-c worst recorded: Tornado

The full list is in the **XLSX** file, sheet "B1-d Storm Events history" (204 rows).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
 FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.3	events per year	about 1 in 3 years	Likely	FEMA annualized frequency (modeled)	9	1994 to 2023 (30 years)	see B1-f	
Coastal Flooding	3.18	events per year at a location (modeled)	about 3.2 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	0.0352	event-days per year	about 0.0352 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	0.643	2005-11-12 to 2024-11-12 (19 years)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned. Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	4.72	event-days per year	about 4.72 days per year		event-days in 0 of 30 years, 1996 to 2025 (0%)	182	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Earthquake	0.0362	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 3.62%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	0.031	events per year	about 1 in 32 years	Possible	FEMA annualized frequency (modeled)	1.2 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	3.36	event-days per year	about 3.36 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	42.1	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 3.36 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 3 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Hurricane		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	0.446	event-days per year	about 0.446 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	30	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	0.393	event-days per year	about 0.393 days per year	Likely	event-days in 10 of 30 years, 1996 to 2025 (33.3%)	11	1996 to 2023 (28 years)	see B1-f	
Landslide	4.12	events per year (modeled)	about 4.12 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	8.63	days per year with a strike	about 8.63 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.0183	events per year	about 1 in 54 years	Possible	FEMA annualized frequency (modeled)	1	1986 to 2023 (38 years)	countywide	
Tornado	0.0489	events per year	about 1 in 20 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 Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Volcanic Activity	0.0123	annual probability	about 1 in 81 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0000283	annual probability at a location	chance a given location in the county burns in a year: 0.00283%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	Descriptor from Storm Events, not NRI: the NRI value is the chance at a location in the county, not how often the hazard affects the county.
Winter Weather	31.9	event-days per year	about 31.9 days per year	Likely	event-days in 18 of 30 years, 1996 to 2025 (60%)	581	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado, hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	1	30	0.0333
Hail	2.00 in+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	0	30	0
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	2	30	0.0667

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	EF0-1	1996 to 2025	4	30	0.133
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

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

SOURCE

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	10 of 173	83.3	86.3	89.4	Relatively Moderate 10, Not Applicable 163	
Coastal Flooding	28 of 173	72.7	86.4	99.4	Very High 1, Relatively High 2, Relatively Moderate 9, Relatively Low 14, Very Low 2, No Rating 145	
Cold Wave	45 of 173	15.4	47.2	64.8	Relatively Moderate 23, Relatively Low 17, Very Low 5, No Rating 128	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	19 of 173	66.8	67.5	70.4	Very Low 19, No Rating 154	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	173 of 173	79.8	89.9	99.8	Very High 22, Relatively High 78, Relatively Moderate 73	
Hail	173 of 173	1.6	8.9	22.0	Very Low 173	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	173 of 173	18.5	64.4	83.2	Relatively Moderate 137, Relatively Low 36	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	0 of 173				Not Applicable 173	
Ice Storm	173 of 173	50.2	81.9	92.3	Relatively High 4, Relatively Moderate 157, Relatively Low 12	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	173 of 173	3.7	32.0	99.6	Very High 6, Relatively High 9, Relatively Moderate 38, Relatively Low 87, Very Low 33	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Landslide	173 of 173	12.1	92.4	100.0	Very High 5, Relatively High 6, Relatively Moderate 40, Relatively Low 86, Very Low 36	
Lightning	173 of 173	7.4	32.9	59.1	Relatively Moderate 4, Relatively Low 158, Very Low 11	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	173 of 173	1.4	4.9	9.6	Very Low 173	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	173 of 173	4.0	12.4	25.3	Very Low 173	
Tsunami	18 of 173	13.8	28.4	51.4	Relatively Low 1, Very Low 17, No Rating 5, Not Applicable 150	
Volcanic Activity	169 of 173	79.0	83.5	99.5	Relatively High 4, Relatively Moderate 5, Relatively Low 8, Very Low 152, No Rating 4	
Wildfire	173 of 173	20.5	55.8	81.5	Relatively Low 16, Very Low 157	
Winter Weather	173 of 173	31.1	58.1	93.8	Relatively High 2, Relatively Moderate 142, Relatively Low 29	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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

SOURCE

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

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Snohomish County	County	Approved, expires 2031-07-27	FMA RL 22, SRL 44; any 179	\$31,243,435.32	0; not yet covered	Includes \$1,722,240 for declarations not counted as hazard incidents (DR-4481-WA).
Everett city	City	Approved, expires 2029-10-27	FMA RL 0, SRL 0; any 3	\$1,427,110.43	4; 0	Includes \$281,770.11 for declarations not counted as hazard incidents (DR-4481-WA).
Marysville city	City	Approved, expires 2031-06-24	FMA RL 0, SRL 0; any 2	\$891,625.12	2; 0	Includes \$33,097.82 for declarations not counted as hazard incidents (DR-4481-WA).
Sultan city	City	Approved, expires 2031-07-27	FMA RL 2, SRL 13; any 24	\$163,501.17	2; not yet covered	

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

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

SOURCESFEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>**Supports B2-a and B2-b: assets and impacts**

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2026-07-28 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche	\$88,580,324		10	\$2,790		\$1,708,473	0.00315%				
Coastal Flooding	\$5,021,427,079		17,571	\$2,272,626		\$105,964	0.0453%				
Cold Wave	\$30,768,923,302	\$73,440,986	154,543	\$2,038	\$6,780	\$2,149,275	under 0.0001%				
Drought		\$14,025,690			\$44		0.000317% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$279,674,383,073		827,957	\$160,708,138		\$85,973,407	0.0575%				
Hail	\$164,422,863,293	\$202,885,523	827,611	\$54,706	\$810	\$10,692	under 0.0001%				
Heat Wave	\$164,422,863,293	\$202,885,523	827,611	\$2,766	\$25,632	\$11,911,600	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$163,976,352,637		825,755	\$287,706		\$3,329,860	0.000175%				
Inland Flooding	\$164,261,219,047	\$133,543,821	12,403	\$111,892,015	\$122	\$16,746	n/a (see note)				NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b. EAL as % of exposure: n/a.
Landslide	\$5,708,187,099		27,693	\$3,108,215		\$21,626,429	0.0545%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2026-07-28 <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
Lightning	\$164,422,863,293		827,611	\$52,112		\$1,203,825	under 0.0001%				
Strong Wind	\$164,422,863,293	\$202,885,523	827,611	\$23,245	\$2	\$50,628	under 0.0001%				
Tornado	\$164,422,863,293	\$202,885,523	827,611	\$271,919	\$219	\$761,473	0.000165%				
Tsunami	\$2,627,476,761		303	\$50,519		\$0	0.00192%				
Volcanic Activity	\$164,422,863,293		827,611	\$266,499		\$408,505	0.000162%				
Wildfire	\$26,740,251,425	\$41,253,175	144,375	\$114,035	\$3	\$5,692	0.000426%				
Winter Weather	\$164,422,863,293	\$202,885,523	827,611	\$51,978	\$1,416	\$707,817	under 0.0001%				

Totals since 2026-07-28: Storm Events not yet covered: Storm Events data run through 2026-06-30, before the approval date, so there is no period to count yet; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

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

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

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

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

Supports B2-a: context

County context

Measure	Value
Population	827,611
Building value (total, not at risk)	\$164,422,863,293
Agriculture value (total, not at risk)	\$202,885,523
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$279,196,336
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)	\$129,970,386

Measure	Value
Social vulnerability rating	Very Low
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

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

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	28	Severe repetitive loss, FMA definition (44 CFR 77.2)	59
Repetitive loss, NFIP insurance definition	211	Severe repetitive loss, NFIP insurance definition	40

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

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

Repeat-flood properties: county and state-level rows

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	28	59	211	40	230	16	94
EDMONDS, CITY OF (community ID not in plan data)	1	1	3	1	4	0	1
EVERETT, CITY OF	0	0	3	0	3	0	0
INDEX, TOWN OF (community ID not in plan data)	1	0	2	0	2	0	1
LYNNWOOD, CITY OF (community ID not in plan data)	1	0	4	0	5	0	1
MARYSVILLE, CITY OF	0	0	2	0	2	0	1
MONROE, CITY OF (community ID not in plan data)	1	1	5	1	5	0	0
MOUNTLAKE TERRACE, CITY OF (community ID not in plan data)	0	0	1	0	1	0	0
SNOHOMISH, CITY OF (community ID not in plan data)	0	0	3	0	3	0	0
SULTAN, CITY OF	2	13	23	11	24	2	8
DARRINGTON, TOWN OF (community ID not in plan data)	0	0	1	0	1	0	0
LAKE STEVENS, CITY OF (community ID not in plan data)	0	0	1	0	1	0	0
SNOHOMISH COUNTY *	22	44	163	27	179	14	82
State level, not in this county: county not reported	0	0	2	0	2	0	0

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

Repeat-flood properties by plan member (NFIP community)

Member	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Snohomish County	535534	22	44	163	27	179	14	82	
Everett city	530164	0	0	3	0	3	0	0	
Marysville city	530168	0	0	2	0	2	0	1	
Sultan city	530173	2	13	23	11	24	2	8	

Per-member types: XLSX sheet 'B2-c Members'.

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

SOURCES

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

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

County repeat-flood properties by occupancy group

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	26	52	181	35	199	15	86
2 to 4 unit residential	1	2	7	2	7	0	4
other residential	0	0	6	0	6	0	1
non-residential	1	5	17	3	18	1	3
not reported	0	0	0	0	0	0	0

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

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

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

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

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

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

In this county 6 properties are FMA repetitive loss but not NFIP repetitive loss, and 189 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-28, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scscd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scscd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx
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Corrections: to report an error, name the packet, the table and what your records show. Contact: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_WA_53061. Preview: automated baseline.