

Clark County, WA

Risk-assessment baseline packet

Unit **County area 53011** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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

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

OPENFEMA DISCLAIMER

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

Plan clock

Status	Approved, expires 2028-04-12	Plan	Clark County Hazard Mitigation Plan (FEMA plan 108929)
Approved	2023-04-13	Expires	2028-04-12
As of	2026-09-28	Days	562 days to expiry

What changed since your last plan (approved 2023-04-13)

New federal declarations	DR-4775-WA, DR-4906-WA (2 declaration rows; 2 counted incidents)	Storm Events records since approval	32 (data through 2026-06-30)
Repetitive loss now	FMA RL 1, SRL 1 (44 CFR 77.2); any definition: 8	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: 18 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

CONTENTS

1. Plan clock, page 1
2. What changed since your last plan (approved 2023-04-13), page 1
3. Supports B1-a: hazards, page 3
4. Supports B1-b: location, page 5
5. Supports B1-c: extent, page 6
6. Supports B1-d: previous occurrences, page 9
7. Supports B1-e: probability, page 13
8. Supports B1-f: variation across the planning area, page 17
9. Supports B2-a and B2-b: assets and impacts, page 19
10. Supports B2-a: context, page 20
11. Supports B2-c: repetitive loss, page 21
12. Sources and OpenFEMA disclaimer, page 22

Plan clock

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
Clark County	County	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Battle Ground city	City	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Camas city	City	Plan 108929 approved 2023-04-13, pending adoption here; not yet eligible	Clark County Hazard Mitigation Plan (FEMA plan 108929), pending adoption here	2023-04-13 by FEMA; not yet adopted here	2028-04-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
La Center city	City	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Ridgefield city	City	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Vancouver city	City	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Washougal city	City	Plan 108929 approved 2023-04-13, pending adoption here; not yet eligible	Clark County Hazard Mitigation Plan (FEMA plan 108929), pending adoption here	2023-04-13 by FEMA; not yet adopted here	2028-04-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Yacolt town	Town	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Battle Ground School District	School/School District	Plan 108929 approved 2023-04-13, pending adoption here; not yet eligible	Clark County Hazard Mitigation Plan (FEMA plan 108929), pending adoption here	2023-04-13 by FEMA; not yet adopted here	2028-04-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Evergreen School District (Clark)	School/School District	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Mount Pleasant School District	School/School District	Plan 108573 approved 2022-07-27, pending adoption here; not yet eligible	Skamania County Hazard Mitigation Plan (FEMA plan 108573), pending adoption here	2022-07-27 by FEMA; not yet adopted here	2027-07-26 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Ridgefield School District	School/School District	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Vancouver Public Schools	School/School District	Plan 108929 approved 2023-04-13, pending adoption here; not yet eligible	Clark County Hazard Mitigation Plan (FEMA plan 108929), pending adoption here	2023-04-13 by FEMA; not yet adopted here	2028-04-12 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
C-Tran Public Transit Benefit Area	Transit/Airport	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Clark County PUD #1	Electric/Power Authority	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Clark Fire Protection District #3	Fire/EMS District	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Clark Regional Wastewater District	Water/Sewer Authority	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		
Port of Vancouver	Highway/Port/Rail	Approved, expires 2028-04-12	Clark County Hazard Mitigation Plan (FEMA plan 108929)	2023-04-13	2028-04-12	562		

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

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 <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Relatively Moderate	Relatively High	\$68,264,062	\$11,465	\$11,373	\$68,286,900	14		
2	Earthquake	Relatively Moderate	Relatively High	\$35,239,283		\$19,072,199	\$54,311,482			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
3	Cold Wave	Relatively High	Very High	\$315	\$6,864	\$19,795,454	\$19,802,633	2		Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.

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 <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
4	Heat Wave	Relatively Moderate	Relatively High	\$2,539	\$12,725	\$9,548,954	\$9,564,217	13		
5	Strong Wind	Relatively Moderate	Relatively High	\$1,651,867	\$80	\$244,659	\$1,896,606	66		Includes 39 High Wind records and 13 Strong Wind records, event types the NRI definition of this hazard leaves out.
6	Ice Storm	Relatively High	Relatively High	\$284,346		\$1,038,058	\$1,322,404	16		
7	Lightning	Relatively Moderate	Relatively High	\$18,292		\$951,735	\$970,027	4		
8	Tornado	Relatively Low	Relatively Low	\$95,810	\$94	\$620,751	\$716,655	12		
9	Wildfire	Relatively Low	Relatively Low	\$210,332	\$5	\$12,102	\$222,439	3		
10	Winter Weather	Relatively Moderate	Relatively Moderate	\$40,902	\$675	\$163,011	\$204,588	108		
11	Hail	Very Low	Very Low	\$98,835	\$981	\$21,247	\$121,063	6		
12	Landslide	Relatively Low	Relatively Low	\$558		\$23,181	\$23,739	1		
13	Volcanic Activity	Relatively Low	Relatively Low	\$490		\$14,046	\$14,536	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.
14	Coastal Flooding	Very Low	Very Low	\$5,203		\$396	\$5,598	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
15	Avalanche	Very Low	Very Low	\$6		\$10	\$16	1		
16	Drought	No Rating	No Expected Annual Losses		\$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).
	Tsunami	Insufficient Data	Insufficient Data					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.

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

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

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

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	7 of 115
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.	15 of 115
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	115 of 115
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	0 of 115
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.	115 of 115
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	115 of 115
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	115 of 115
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 115
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	115 of 115
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.	115 of 115
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.	109 of 115
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	115 of 115
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	115 of 115
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.	115 of 115
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 115
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.	115 of 115
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.	99 of 115
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	115 of 115

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)	1, 2024 to 2024 (1 zone-level)		No damage reported in 1 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)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	1, 1998 to 1998 (1 zone-level)	7 days; 1 with a recorded value	7 consecutive days, 1998-12-18 to 1998-12-24, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	1, 2024 to 2024 (1 zone-level)		No crop damage reported in 1 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	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)	7, 1976 to 2008	0.5 in to 1 in (median 0.75 in); 7 with a recorded value	1 in hail, 2004-05-17; same size also recorded on 1976-05-01	Hail, 2004-04-21, \$7,500 property; crops not reported (2004 dollars)	Event records naming member places: Ridgefield city (1 record), Washougal city (1 record).	
Excessive Heat, Heat	heat index (narratives)	13, 2006 to 2022 (13 zone-level)	1 day to 5 days (median 3 days); 13 with a recorded value	5 consecutive days, 2006-07-20 to 2006-07-24, 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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
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)	16, 1996 to 2024 (16 zone- level)		Ice Storm, 2021-02-14, \$1,000,000 property; \$0 crops, reported for the zone (2021 dollars); NWS zone WAZ039 (GREATER VANCOUVER AREA), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	14, 1996 to 2022 (2 zone- level)		Flood, 2011-06-01, \$1,200,000 property; \$0 crops (2011 dollars)		Event records naming member places: Vancouver city (3 records), Washougal city (2 records), Ridgefield city (1 record). Zone-level records (2) apply countywide.	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)	1, 1997 to 1997 (1 zone- level)		No damage reported in 1 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.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	4, 1997 to 2005		Lightning, 1999-08-04, \$15,000 property; crops not reported (1999 dollars)		Event records naming member places: La Center city (1 record), Ridgefield 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)	52, 1997 to 2024 (52 zone- level)	30 kt (35 mph) to 95 kt (109 mph) (median 52 kt (60 mph)); 51 with a recorded value	95 kt (109 mph) measured, High Wind, 2000-01-16; NWS zone WAZ039 (VANCOUVER AREA), zone-level: may include parts of neighboring counties	High Wind, 2020-09-07, \$100,000,000 property; \$0 crops, reported for the zone (2020 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Thunderstorm Wind	wind speed (kt and mph)	15, 1976 to 2026	43 kt (49 mph) to 81 kt (93 mph) (median 50 kt (58 mph)); 13 with a recorded value	81 kt (93 mph) estimated gust, Thunderstorm Wind, 2026-06-06	Thunderstorm Wind, 2001-06-27, \$25,000 property; crops not reported (2001 dollars)	Event records naming member places: Ridgefield city (4 records), La Center city (3 records), Vancouver city (1 record), Yacolt town (1 record).	
Tornado	Enhanced Fujita (F before Feb 2007)	15, 1972 to 2023	F/EF0 to F/EF3 (median F/EF0); 15 with a recorded value	F3 tornado, 1972-04-05, 8.7 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 440 yd wide, \$25,000,000 property; crops not recorded (1972 dollars), 6 direct deaths, 300 direct injuries		Event records naming member places: Battle Ground city (2 records), La Center city (2 records), Ridgefield city (1 record), Vancouver city (1 record), Yacolt town (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)	3, 2020 to 2020 (3 zone-level)		No damage reported in 3 records.		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)	108, 1996 to 2026 (108 zone-level)		Heavy Snow, 2023-02-22, \$2,000,000 property; crops not reported, reported for the zone (2023 dollars), 1 direct injury (reported for the zone); NWS zone WAZ039 (GREATER VANCOUVER AREA), 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.

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/>NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>**Supports B1-d: previous occurrences**Declaration rows **17**Counted incidents **14****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	none found	new since last plan; within last 5 years	
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	\$2,892,163.43	new since last plan; within last 5 years	
2022-10-17	2022-10-16	FM-5456-WA	Fire management	NAKIA CREEK FIRE	Wildfire	none found	during plan review, check whether your last plan included it; within last 5 years	
2020-03-22	2020-01-20	DR-4481-WA	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$66,696,404.62		
2020-03-13	2020-01-20	EM-3427-WA	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4481
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	\$1,799,595.08		
2009-03-02	2008-12-12	DR-1825-WA	Major disaster	SEVERE WINTER STORM AND RECORD AND NEAR RECORD SNOW	Winter Weather	\$1,381,031.90		
2007-02-14	2006-12-14	DR-1682-WA	Major disaster	SEVERE WINTER STORM, LANDSLIDES, AND MUDSLIDES	Landslide; Winter Weather	\$767,365.69		
2006-12-12	2006-11-02	DR-1671-WA	Major disaster	SEVERE STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES	Inland Flooding; Landslide	PA not declared for this county		
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		
2001-03-01	2001-02-28	DR-1361-WA	Major disaster	EARTHQUAKE	Earthquake	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		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1980-05-21	1980-05-21	DR-623-WA	Major disaster	VOLCANIC ERUPTION, MT. ST. HELENS	Volcanic Activity	none found		
1977-12-10	1977-12-10	DR-545-WA	Major disaster	SEVERE STORMS,MUDSLIDES, & FLOODING	Inland Flooding (primary); also designated: Landslide	none found		
1964-12-29	1964-12-29	DR-185-WA	Major disaster	HEAVY RAINS & FLOODING	Inland Flooding	none found		

School districts and special districts in this county: \$256,209.74 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan members in this county. They are not shown as member blocks, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county); do not add this line to the county total.

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, \$500,853.73

FEMA number	Declared	Title	Applicant	PA obligated
				<i>federal share obligated, nominal dollars</i>
DR-4309-WA	2017-04-21	SEVERE WINTER STORMS, FLOODING, LANDSLIDES, MUDSLIDES	UNIVERSITY OF OREGON	\$500,853.73

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

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

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	1	1	0	1	0	0	1996 to 2026-06-30	
Coastal Flooding	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	2	1	0	1	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record, event types the NRI definition of this hazard leaves out.
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	1	0		No Storm Events record; local data required (e.g., USGS).
Hail	7	0	0	0	0	0	1955 to 2026-06-30	
Heat Wave	13	0	2	2	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	16	4	0	4	0	0	1996 to 2026-06-30	
Inland Flooding	14	0	3	3	9	2	1996 to 2026-06-30	
Landslide	1	0	0	0	7	2	1996 to 2026-06-30	
Lightning	4	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	67	4	4	10	5	2	1955 to 2026-06-30	Includes 39 High Wind records and 13 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	15	1	0	1	0	0	1950 to 2026-06-30	

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
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	3	0	0	0	1	0	1996 to 2026-06-30	
Winter Weather	108	21	7	33	5	1	1996 to 2026-06-30	

SOURCES

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

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

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2026-06-06	Thunderstorm Wind	81 kt (93 mph) estimated gust	\$4,000 property; \$0 crops (2026 dollars)	0, 0	MEADOW GLADE	new since last plan; within last 5 years	B1-c worst recorded: Thunderstorm Wind
2024-03-30	Avalanche		\$0 property; \$0 crops, reported for the zone (2024 dollars)	1, 0	NWS zone WAZ211 (SOUTH WASHINGTON CASCADES), zone-level: may include parts of neighboring counties	new since last plan; within last 5 years	deaths or injuries recorded
2023-02-22	Heavy Snow		\$2,000,000 property; crops not reported, reported for the zone (2023 dollars)	0, 1	NWS zone WAZ039 (GREATER VANCOUVER AREA), zone-level: may include parts of neighboring counties	during plan review, check whether your last plan included it; within last 5 years	B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2021-06-26	Excessive Heat		\$0 property; \$0 crops, reported for the zone (2021 dollars)	3, 0	NWS zone WAZ039 (GREATER VANCOUVER AREA), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2021-02-14	Ice Storm		\$1,000,000 property; \$0 crops, reported for the zone (2021 dollars)	0, 0	NWS zone WAZ039 (GREATER VANCOUVER AREA), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
2011-06-01	Flood		\$1,200,000 property; \$0 crops (2011 dollars)	0, 0	HAZEL DELL		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2006-07-20	Heat		damage not reported	0, 0	Storm Events area C COWLITZ/N&NE CLARK/P X SW SKAMANIA (legacy zone code WAZ040), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
2004-05-17	Hail	1 in	damage not reported	0, 0	BRUSH PRAIRIE		B1-c worst recorded: Hail
2000-01-16	High Wind	95 kt (109 mph) measured	damage not reported	0, 0	NWS zone WAZ039 (VANCOUVER AREA), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
1999-08-04	Lightning		\$15,000 property; crops not reported (1999 dollars)	0, 0	LA CENTER		B1-c worst recorded: Lightning
1998-12-18	Cold/Wind Chill		damage not reported	0, 0	NWS zone WAZ039 (VANCOUVER AREA), zone-level: may include parts of neighboring counties		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
1972-04-05	Tornado	F3, 8.7 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 440 yd wide	\$25,000,000 property; crops not recorded (1972 dollars)	6, 300	location not recorded		deaths or injuries recorded

The full list is in the XLSX file, sheet "B1-d Storm Events history" (251 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	0.01	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	0.229	events per year at a location (modeled)	about 0.23 per year at a given location in the county		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)
Cold Wave	0.263	event-days per year	about 0.263 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	5	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.

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
Drought	0	event-days per year	none modeled		event-days in 0 of 30 years, 1996 to 2025 (0%)	0	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No recorded event-days, 1996 to 2025; descriptor not assigned
Earthquake	0.0216	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 2.16%			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	0.0618	events per year	about 1 in 16 years	Possible	FEMA annualized frequency (modeled)	2.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	6.95	event-days per year	about 6.95 days per year	Likely	event-days in 7 of 30 years, 1996 to 2025 (23.3%)	109	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 6.95 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 7 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.
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	1.86	event-days per year	about 1.86 days per year	Likely	event-days in 9 of 30 years, 1996 to 2025 (30%)	125	1946-12-31 to 2014-02-12 (67 years)	countywide	NRI gives about 1.86 ice storm event-days a year here (its annualized frequency over 67 years; not its event count divided by the years), but Storm Events has a record in only 9 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Inland Flooding	0.321	event-days per year	about 0.321 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	9	1996 to 2023 (28 years)	see B1-f	
Landslide	2.18	events per year (modeled)	about 2.18 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	8.06	days per year with a strike	about 8.06 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Strong Wind	0.0452	events per year	about 1 in 22 years	Possible	FEMA annualized frequency (modeled)	2	1986 to 2023 (38 years)	countywide	
Tornado	0.0513	events per year	about 1 in 19 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)			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	0.0124	annual probability	about 1 in 81 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.000211	annual probability at a location	chance a given location in the county burns in a year: 0.0211%	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	10.8	event-days per year	about 10.8 days per year	Highly likely	event-days in 28 of 30 years, 1996 to 2025 (93.3%)	205	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

Unit	Descriptor	Definition
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	8	30	0.267
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	1	30	0.0333
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	4	30	0.133
Tornado	EF0-1	1996 to 2025	12	30	0.4
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	7 of 115	3.3	4.1	4.7	Very Low 7, Not Applicable 108	
Coastal Flooding	15 of 115	69.3	73.7	80.4	Relatively Low 3, Very Low 12, No Rating 100	
Cold Wave	115 of 115	52.7	76.4	92.1	Relatively High 51, Relatively Moderate 64	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	0 of 115				No Rating 115	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.
Earthquake	115 of 115	48.8	82.4	99.0	Very High 2, Relatively High 13, Relatively Moderate 74, Relatively Low 26	
Hail	115 of 115	8.0	20.3	30.6	Very Low 115	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	115 of 115	38.7	69.3	89.6	Relatively High 3, Relatively Moderate 89, Relatively Low 23	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 115				Not Applicable 115	
Ice Storm	115 of 115	42.3	69.1	85.7	Relatively Moderate 59, Relatively Low 56	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	115 of 115	1.7	28.8	94.7	Relatively High 10, Relatively Moderate 24, Relatively Low 56, Very Low 25	
Landslide	109 of 115	8.9	35.7	97.3	Relatively Moderate 2, Relatively Low 8, Very Low 99, No Rating 6	
Lightning	115 of 115	14.2	36.8	64.6	Relatively Moderate 10, Relatively Low 100, Very Low 5	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	115 of 115	21.5	45.1	68.9	Relatively Moderate 20, Relatively Low 95	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	115 of 115	4.8	13.1	25.7	Very Low 115	
Tsunami	0 of 115				Not Applicable 101, Insufficient Data 14	
Volcanic Activity	115 of 115	87.0	91.7	97.3	Relatively Low 115	

Hazard	Tracts <i>rated of all</i>	Risk score min	Median	Max	Tracts by rating	Note
		<i>NRI score, 0 to 100</i>				
Wildfire	99 of 115	18.6	42.1	92.2	Relatively Moderate 2, Relatively Low 12, Very Low 85, No Rating 16	
Winter Weather	115 of 115	25.2	38.7	58.0	Relatively Moderate 8, Relatively Low 107	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
Clark County	County	Approved, expires 2028-04-12	FMA RL 0, SRL 0; any 7	\$2,093,280.30	0; 0	
Battle Ground city	City	Approved, expires 2028-04-12	FMA RL 0, SRL 0; any 0	\$16,141.09	2; 0	
Camas city	City	Plan 108929 approved 2023-04-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$398,011.60	0; no approved plan	
La Center city	City	Approved, expires 2028-04-12	FMA RL 0, SRL 0; any 0	none found	6; 1	
Ridgefield city	City	Approved, expires 2028-04-12	FMA RL 0, SRL 0; any 0	none found	8; 0	
Vancouver city	City	Approved, expires 2028-04-12	FMA RL 0, SRL 0; any 0	\$533,459.66	5; 0	Includes \$467,598.32 for declarations not counted as hazard incidents (DR-4481-WA).
Washougal city	City	Plan 108929 approved 2023-04-13, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	\$14,209.97	3; no approved plan	Includes \$8,515.36 for declarations not counted as hazard incidents (DR-4481-WA).
Yacolt town	Town	Approved, expires 2028-04-12	FMA RL 0, SRL 0; any 0	none found	2; 0	

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

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

SOURCES

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

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

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

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

Supports B2-a and B2-b: assets and impacts

Local data required

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2023-04-13 <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
Avalanche	\$5,524,200		under 1	\$6		\$10	0.000105%		\$0		
Coastal Flooding	\$7,884,064		24	\$5,203		\$396	0.066%				
Cold Wave	\$89,849,211,354	\$61,432,141	503,148	\$315	\$6,864	\$19,795,454	under 0.0001%		\$0		
Drought		\$0			\$0						agriculture exposure is 0 in NRI
Earthquake	\$151,814,537,565		503,311	\$35,239,283		\$19,072,199	0.0232%				
Hail	\$89,849,211,354	\$61,432,141	503,148	\$98,835	\$981	\$21,247	0.00011%				
Heat Wave	\$89,849,211,354	\$61,432,141	503,148	\$2,539	\$12,725	\$9,548,954	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$89,636,723,711		501,618	\$284,346		\$1,038,058	0.000317%		\$0		
Inland Flooding	\$89,819,453,810	\$20,106,475	3,950	\$68,264,062	\$11,465	\$11,373	n/a (see note)			\$2,892,163.43	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	\$2,515,521,036		13,086	\$558		\$23,181	under 0.0001%			\$2,892,163.43	
Lightning	\$89,849,211,354		503,148	\$18,292		\$951,735	under 0.0001%				
Strong Wind	\$89,849,211,354	\$61,432,141	503,148	\$1,651,867	\$80	\$244,659	0.00184%	\$34,000	\$0	\$2,892,163.43	
Tornado	\$89,849,211,354	\$61,432,141	503,148	\$95,810	\$94	\$620,751	0.000107%	\$1,000			

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 2023-04-13 <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
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity	\$89,849,211,354		503,148	\$490		\$14,046	under 0.0001%				
Wildfire	\$6,314,299,609	\$8,468,926	36,277	\$210,332	\$5	\$12,102	0.00333%				
Winter Weather	\$89,849,211,354	\$61,432,141	503,148	\$40,902	\$675	\$163,011	under 0.0001%		\$60,000	\$2,892,163.43	

Totals since 2023-04-13 (Storm Events through 2026-06-30): 4 county-coded records, 4 with a damage value recorded (including \$0), \$35,000; 28 zone-level records, 28 with a damage value recorded (including \$0), \$60,000 reported for the zone; Public Assistance on counted declarations \$2,892,163.43 (2 declarations, 1 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 HazardMitigationPlanStatutes v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatutes> (API)

Supports B2-a: context

County context

Measure	Value
Population	503,148
Building value (total, not at risk)	\$89,849,211,354
Agriculture value (total, not at risk)	\$61,432,141
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$105,945,727
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)	\$51,517,176
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)	1	Severe repetitive loss, FMA definition (44 CFR 77.2)	1
Repetitive loss, NFIP insurance definition	8	Severe repetitive loss, NFIP insurance definition	1

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

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

Repeat-flood properties: county and state-level rows

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	1	1	8	1	8	0	4
CLARK COUNTY *	0	0	7	0	7	0	4
WOODLAND, CITY OF (plan member listed on the Cowlitz County page)	1	1	1	1	1	0	0
State level, not in this county: county not reported	0	0	2	0	2	0	0

1 of the county's repeat-flood properties belong to NFIP communities whose plan member is not listed on this page (the community rows above name the page that lists it).

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

Repeat-flood properties by plan member (NFIP community)

Member	NFIP community ID	RL, FMA <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
Clark County	530024	0	0	7	0	7	0	4	
Battle Ground city	530025	0	0	0	0	0	0	0	
Camas city	530026	0	0	0	0	0	0	0	
La Center city	530248	0	0	0	0	0	0	0	
Ridgefield city	530298	0	0	0	0	0	0	0	
Vancouver city	530027	0	0	0	0	0	0	0	
Washougal city	530028	0	0	0	0	0	0	0	
Yacolt town	530269	0	0	0	0	0	0	0	

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	1	1	8	1	8	0	4
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	0	0	0	0	0
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 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 7 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_Gazetteer/2024_Gaz_place_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip, https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx

OpenFEMA disclaimer

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

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

Reuse, citation and corrections

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

Cite this: Hazard Plain (2026). Clark County, WA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 53011). Preview: automated baseline. Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_WA_53011. Preview: automated baseline.