

Thurston County, WA

Risk-assessment baseline packet

County FIPS: 53067 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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

Summary

Plan status as of 2026-09-30: Approved, expires 2029-02-17. Plan: Thurston County Hazard Mitigation Plan (FEMA plan 108947), approved 2024-02-18.

Since the plan was approved on 2024-02-18: 2 new hazard declarations (1 incident) and 8 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Earthquake (\$133,680,249 a year), Inland Flooding (\$49,659,545) and Heat Wave (\$3,745,243).

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

TERMS USED

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

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

NFIP: National Flood Insurance Program.

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

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

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

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

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

FIPS: the federal code for a place; 53067 is this area.

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

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

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

CFR: Code of Federal Regulations.

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

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

CONTENTS

- 1. Summary and terms used, page 1
- 2. Plan clock, page 2
- 3. What changed since your last plan (approved 2024-02-18), page 2
- 4. B1-a: hazard identification, page 3
- 5. B1-b: hazard location, page 5
- 6. B1-c: hazard extent, page 5
- 7. B1-d: previous occurrences, page 8
- 8. B1-e: probability of future events, page 12
- 9. B1-f: hazards that vary across jurisdictions, page 15
- 10. B2-a and B2-b: vulnerability and potential impacts, page 17
- 11. B2-a: vulnerability (county context), page 19
- 12. B2-c: repetitive loss properties, page 19
- 13. Sources, what the plan adds, disclaimer and citation, page 21

Plan clock

Status:	Approved, expires 2029-02-17	Plan:	Thurston County Hazard Mitigation Plan (FEMA plan 108947)
Approved:	2024-02-18	Days to expiry:	871

What changed since your last plan (approved 2024-02-18)

New federal declarations:	2 new hazard declarations (1 incident): EM-3629-WA (Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides), DR-4906-WA (Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides)	Storm Events records since approval:	8 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 2, SRL 3 (44 CFR 77.2); any definition: 33	Repeat-flood change:	this release sets the baseline count.

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

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Notes
Thurston County	County	Approved, expires 2029-02-17	Thurston County Hazard Mitigation Plan (FEMA plan 108947)	2024-02-18	2029-02-17	871	this jurisdiction approved 2024-02-16
Lacey city	City	Approved, expires 2029-02-17	Thurston County Hazard Mitigation Plan (FEMA plan 108947)	2024-02-18	2029-02-17	871	this jurisdiction approved 2024-02-16
Olympia city	City	Approved, expires 2029-02-17	Thurston County Hazard Mitigation Plan (FEMA plan 108947)	2024-02-18	2029-02-17	871	this jurisdiction approved 2024-02-16
Tumwater city	City	Approved, expires 2029-02-17	Thurston County Hazard Mitigation Plan (FEMA plan 108947)	2024-02-18	2029-02-17	871	this jurisdiction approved 2024-02-16
Thurston County PUD No. 1	Electric/Power Authority	Approved, expires 2029-02-17	Thurston County Hazard Mitigation Plan (FEMA plan 108947)	2024-02-18	2029-02-17	871	this jurisdiction approved 2024-02-16

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

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture modeled dollars per year	Cost of expected deaths and injuries FEMA's dollar value per year, not property damage	EAL total (see note) modeled dollars per year	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
1	Earthquake	Relatively High	Relatively High	\$82,488,652	n/a	\$51,191,597	\$133,680,249			Storm Events does not record earthquakes.
2	Inland Flooding	Relatively Moderate	Relatively Moderate	\$49,643,487	\$11,502	\$4,557	\$49,659,545	8		
3	Heat Wave	Relatively Moderate	Relatively Moderate	\$1,041	\$27,428	\$3,716,774	\$3,745,243	17		
4	Landslide	Relatively High	Relatively High	\$1,516,220	n/a	\$18,786	\$1,535,006	2		
5	Coastal Flooding	Relatively Low	Relatively Moderate	\$446,947	n/a	\$31,973	\$478,921	1		
6	Tornado	Very Low	Relatively Low	\$161,618	\$322	\$268,950	\$430,890	4		
7	Strong Wind	Relatively Low	Relatively Low	\$233,605	\$5	\$48,305	\$281,915	97		Includes 78 High Wind and 18 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
8	Ice Storm	Relatively Moderate	Relatively Moderate	\$55,541	n/a	\$154,351	\$209,892	2		
9	Volcanic Activity	Relatively Moderate	Relatively Moderate	\$56,582	n/a	\$138,895	\$195,476	0		Declared 1 time; no Storm Events record of this type.
10	Lightning	Relatively Low	Relatively Low	\$17,359	n/a	\$111,822	\$129,181	3		
11	Winter Weather	Relatively Low	Relatively Moderate	\$20,271	\$1,265	\$73,455	\$94,991	47		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
12	Tsunami	Very Low	Very Low	\$72,321	n/a	\$18,693	\$91,015	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Wildfire	Very Low	Very Low	\$80,067	\$16	\$3,857	\$83,940	1		
14	Hail	Very Low	Very Low	\$15,906	\$1,990	\$2,792	\$20,688	1		
15	Drought	Very Low	Very Low	n/a	\$107	n/a	\$107	2		
16	Cold Wave	Very Low	Very Low	under \$1	under \$1	\$21	\$21	5		Includes 1 Frost/Freeze record (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
17	Avalanche	Very Low	Very Low	\$0	n/a	\$3	\$3	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Hurricane	Not Applicable	Not Applicable					0	NRI rates hurricane Not Applicable for this county, and no counted federal declaration for this county names it (EM-3227-WA names it but is not counted as a local occurrence; see B1-d).	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

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

Local data needed: state and local volcanic activity and tsunami records (Storm Events records these hazards only in part).

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 110 (Very Low, 2.4); tract 126.20 (Very Low, 2.3); tract 125.31 (Very Low, 2.2)
Earthquake	tract 101 (Very High, 99.9); tract 103 (Very High, 99.8); tract 112 (Very High, 99.6)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 119.01 (Relatively High, 99.9); tract 118.10 (Relatively High, 99.9); tract 125.31 (Relatively High, 99.6)
Tornado	tract 127.20 (Very Low, 27.3); tract 105.20 (Very Low, 26.0); tract 112 (Very Low, 25.6)
Tsunami	tract 111 (Relatively Low, 62.6); tract 121 (Relatively Low, 50.8); tract 119.02 (Very Low, 42.1)
Volcanic Activity	tract 123.20 (Relatively Moderate, 99.0); tract 125.32 (Relatively Moderate, 98.8); tract 124.22 (Relatively Moderate, 98.7)
Wildfire	tract 126.20 (Relatively Low, 85.0); tract 125.31 (Relatively Low, 84.4); tract 125.30 (Relatively Low, 80.8)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 110 is Census Tract 110). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	0					
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	1 record, 2022 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	4 records, 1998 to 2024 (4 zone-level)	1 day to 7 days (median 3 days); 3 with a recorded value	7 consecutive days, 1998-12-18 to 1998-12-24, zone-level		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	1 record, 2024 (1 zone-level)		No crop damage reported in 1 record.		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	2 records, 2001 to 2005 (2 zone-level)	1 day to 21 days (median 11 days); 2 with a recorded value	21 days, 2005-03-10 to 2005-03-30, zone-level		Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	3 records, 1983 to 1997	0.75 in to 1.5 in (median 0.75 in); 3 with a recorded value	1.5 in hail, 1997-09-01		No event record names a jurisdiction in the plan.	
Excessive Heat, Heat	heat index (in event narratives)	17 records, 2009 to 2024 (17 zone-level)	1 day to 5 days (median 1 day); 13 with a recorded value	5 consecutive days, 2023-05-12 to 2023-05-16, zone-level		Countywide (zone-level records).	Heat records from November to March (unseasonable warmth, not a heat wave) are counted but not used for the longest run.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	2 records, 2012 to 2022 (2 zone-level)		Ice Storm, 2012-01-19, \$1,100,000 property; \$0 crops (2012 dollars); NWS zone WAZ504		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	8 records, 1996 to 2021 (4 zone-level)		Flood, 2009-01-07, \$3,200,000 property; \$0 crops (2009 dollars)		No event record names a jurisdiction in the plan. Zone-level records (4) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	2 records, 1997 to 2007 (2 zone-level)		Debris Flow, 2007-12-03, \$750,000 property; \$0 crops (2007 dollars); NWS zone WAZ504		Countywide (zone-level records).	
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	3 records, 2002 to 2003		Lightning, 2002-09-05, \$20,000 property; crops not reported (2002 dollars)		Event records naming jurisdictions in the plan: Lacey city (2 records).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	96 records, 2000 to 2024 (96 zone-level)	26 kt (30 mph) to 79 kt (91 mph) (median 55.5 kt (64 mph)); 96 with a recorded value	79 kt (91 mph) measured gust, High Wind, 2014-02-16; Storm Events area SOUTHWEST INTERIOR (legacy zone code WAZ020)	High Wind, 2015-12-08, \$6,000,000 property; \$0 crops (zone total, 2015 dollars)	Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Thunderstorm Wind	wind speed (kt and mph)	1 record, 2017	61 kt (70 mph); 1 with a recorded value	61 kt (70 mph) estimated gust, Thunderstorm Wind, 2017-05-04		No event record names a jurisdiction in the plan.	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	5 records, 1994 to 2019	F/EF0 to F/EF1 (median F/EF0); 4 with a recorded value	F1 tornado, 2004-05-27, 0.2 mi within this county, 75 yd wide, \$50,000 property; crops not reported (2004 dollars)		Event records naming jurisdictions in the plan: Lacey city (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Tsunami	none (count and damage only)	0					
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					
Wildfire	acres burned (local data)	1 record, 2017 (1 zone-level)		Wildfire, 2017-08-22, \$4,000,000 property; \$0 crops (2017 dollars); NWS zone WAZ504		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	47 records, 2004 to 2024 (47 zone-level)		Winter Storm, 2008-12-20, \$691,000 property; \$0 crops (2008 dollars); Storm Events area SOUTHWEST INTERIOR (legacy zone code WAZ020)		Countywide (zone-level records).	

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

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

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

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 30 declarations covering 26 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2026-04-07	2025-12-05	DR-4906-WA	Major disaster	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind	PA not declared for this county	new since last plan; within last 5 years	
2025-12-12	2025-12-09	EM-3629-WA	Emergency	Severe Storms, Straight-Line Winds, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide, Strong Wind	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-4906
2022-03-29	2021-12-26	DR-4650-WA	Major disaster	Severe Winter Storms, Snowstorms, Straight-Line Winds, Flooding	Inland Flooding (primary); also designated: Strong Wind, Winter Weather	\$1,614,786	within last 5 years	
2020-09-09	2020-09-08	FM-5359-WA	Fire management	Bordeaux Road Fire	Wildfire	no Public Assistance recorded		
2020-04-23	2020-01-20	DR-4539-WA	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding (primary); also designated: Landslide	\$1,194,172.79		
2020-03-22	2020-01-20	DR-4481-WA	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$4,478,729.99		
2020-03-13	2020-01-20	EM-3427-WA	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4481
2012-03-05	2012-01-14	DR-4056-WA	Major disaster	Severe Winter Storm, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide; Winter Weather	\$1,771,431.13		
2009-03-02	2008-12-12	DR-1825-WA	Major disaster	Severe Winter Storm and Record and Near Record Snow	Winter Weather	\$183,699.58		
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	\$527,760.49		
2007-12-08	2007-12-01	DR-1734-WA	Major disaster	Severe Storms, Flooding, Landslides, and Mudslides	Inland Flooding; Landslide	\$1,129,130.42		
2007-02-14	2006-12-14	DR-1682-WA	Major disaster	Severe Winter Storm, Landslides, and Mudslides	Landslide; Winter Weather	\$423,415.05		
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	\$1,092.49		
2003-11-07	2003-10-15	DR-1499-WA	Major disaster	Severe Storms and Flooding	Inland Flooding	PA not declared for this county		
2001-03-01	2001-02-28	DR-1361-WA	Major disaster	Earthquake	Earthquake	\$2,131,389.79		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
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	no Public Assistance recorded		
1996-02-09	1996-01-26	DR-1100-WA	Major disaster	High Winds, Severe Storms and Flooding	Inland Flooding (primary); also designated: Strong Wind	no Public Assistance recorded		
1996-01-03	1995-11-07	DR-1079-WA	Major disaster	Severe Storms, High Wind, and Flooding	Inland Flooding; Strong Wind	no Public Assistance recorded		
1993-03-04	1993-01-20	DR-981-WA	Major disaster	Severe Storms & High Wind	Strong Wind	no Public Assistance recorded		
1990-11-26	1990-11-09	DR-883-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1990-01-18	1990-01-06	DR-852-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1980-05-21	1980-05-21	DR-623-WA	Major disaster	Volcanic Eruption, Mt. St. Helens	Volcanic Activity	no Public Assistance recorded		
1977-12-10	1977-12-10	DR-545-WA	Major disaster	Severe Storms, Mudslides, & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded		
1975-12-13	1975-12-13	DR-492-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1974-01-25	1974-01-25	DR-414-WA	Major disaster	Severe Storms, Snowmelt & Flooding	Inland Flooding	no Public Assistance recorded		
1972-03-24	1972-03-24	DR-328-WA	Major disaster	Heavy Rains & Flooding	Inland Flooding	no Public Assistance recorded		
1972-02-01	1972-02-01	DR-322-WA	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1965-05-11	1965-05-11	DR-196-WA	Major disaster	Earthquake	Earthquake	no Public Assistance recorded		

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1963-03-02	1963-03-02	DR-146-WA	Major disaster	Floods	Inland Flooding
1962-10-20	1962-10-20	DR-137-WA	Major disaster	Severe Storms	Hazard not mapped (severe storm title names no single hazard); not counted
1957-03-06	1957-03-06	DR-70-WA	Major disaster	Floods	Inland Flooding
1956-02-25	1956-02-25	DR-50-WA	Major disaster	Flood	Inland Flooding

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

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

Public Assistance not placed in any Washington county: 1 row, \$248,381.20; listed on the Washington state page.

Source: 3

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	1	0	0	1	0	0	1996 to 2026-06-30	
Cold Wave	5	1	3	4	0	0	1996 to 2026-06-30	Includes 1 Frost/Freeze record.
Drought	2	0	0	0	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	2	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	3	0	0	0	0	0	1955 to 2026-06-30	
Heat Wave	17	4	3	14	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	2	0	0	1	0	0	1996 to 2026-06-30	
Inland Flooding	8	0	0	0	19	1	1996 to 2026-06-30	
Landslide	2	0	0	0	10	1	1996 to 2026-06-30	
Lightning	3	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	97	1	1	6	5	1	1955 to 2026-06-30	Includes 78 High Wind and 18 Strong Wind records.
Tornado	5	0	0	0	0	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Volcanic Activity	0	0	0	0	1	0	1996 to 2026-06-30	No Storm Events records of this type; 1 federal declared incident (see declarations table)
Wildfire	1	0	0	0	1	0	1996 to 2026-06-30	
Winter Weather	47	2	7	16	6	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2023-05-12	Heat		\$0 property; \$0 crops (zone total, 2023 dollars)	0, 0	NWS zone WAZ504 (SOUTHWEST INTERIOR), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Excessive Heat, Heat
2017-05-04	Thunderstorm Wind	61 kt (70 mph) estimated gust	\$700,000 property; \$0 crops (2017 dollars)	0, 0	YELM		B1-c worst recorded: Thunderstorm Wind
2014-10-25	Strong Wind	26 kt (30 mph) estimated sustained	\$500,000 property; \$0 crops (zone total, 2014 dollars)	1, 0	NWS zone WAZ504 (SOUTHWEST INTERIOR), zone-level		deaths or injuries recorded
2014-02-16	High Wind	79 kt (91 mph) measured gust	\$0 property; \$0 crops (zone total, 2014 dollars)	0, 0	Storm Events area SOUTHWEST INTERIOR (legacy zone code WAZ020), zone-level		B1-c worst recorded: High Wind and Strong Wind
2012-01-19	Ice Storm		\$1,100,000 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone WAZ504 (SOUTHWEST INTERIOR), zone-level		B1-c worst recorded: Ice Storm
2009-01-07	Flood		\$3,200,000 property; \$0 crops (2009 dollars)	0, 0	BUCODA		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2008-12-20	Winter Storm		\$691,000 property; \$0 crops (zone total, 2008 dollars)	0, 0	Storm Events area SOUTHWEST INTERIOR (legacy zone code WAZ020), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet
2007-12-03	Debris Flow		\$750,000 property; \$0 crops (zone total, 2007 dollars)	0, 0	NWS zone WAZ504 (SOUTHWEST INTERIOR), zone-level		B1-c worst recorded: Debris Flow
2006-02-03	Strong Wind	43 kt (49 mph) estimated gust	\$75,000 property; crops not reported (zone total, 2006 dollars)	1, 0	Storm Events area SOUTHWEST INTERIOR (legacy zone code WAZ020), zone-level		deaths or injuries recorded
2004-05-27	Tornado	F1, 0.2 mi within this county, 75 yd wide	\$50,000 property; crops not reported (2004 dollars)	0, 0	TENINO		B1-c worst recorded: Tornado
2003-05-17	Lightning		\$1,000 property; crops not reported (2003 dollars)	0, 1	NISQUALLY		deaths or injuries recorded
2002-09-05	Lightning		\$20,000 property; crops not reported (2002 dollars)	0, 0	LACEY		B1-c worst recorded: Lightning

The full list is in the Excel file, sheet "B1-d Storm Events history" (193 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	0.01	events per year	about 1 in 100 years	Possible	FEMA annualized frequency (modeled)	0	1994 to 2023 (30 years)	see B1-f	0.01 is NRI's minimum avalanche frequency for a county in an avalanche susceptibility zone; NRI records no avalanche here, so the descriptor reflects the floor, not local events.
Coastal Flooding	3.1	events per year at a location (modeled)	about 3.1 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0.0000364	event-days per year	about 0.0000364 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	0.000902	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	1.28	event-days per year	about 1.28 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	35	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.0306	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 3.06%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.015	events per year	about 1 in 67 years	Possible	FEMA annualized frequency (modeled)	0.6 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	4.26	event-days per year	about 4.26 days per year	Likely	Storm Events event-days in 5 of 30 years, 1996 to 2025 (16.7%)	62.5	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic); 1949 to 2024 (Pacific)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.625	event-days per year	about 0.625 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	42	1946-12-31 to 2014-02-12 (67 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Inland Flooding	0.143	event-days per year	about 0.143 days per year	Likely	Storm Events event-days in 7 of 30 years, 1996 to 2025 (23.3%)	4	1996 to 2023 (28 years)	see B1-f	
Landslide	5.08	events per year (modeled)	about 5.08 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	6.73	days per year with a strike	about 6.73 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	0.0134	events per year	about 1 in 75 years	Possible	FEMA annualized frequency (modeled)	1	1986 to 2023 (38 years)	countywide	
Tornado	0.0379	events per year	about 1 in 26 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami	0.0553	annual probability at the most exposed location (used in place of a county value)	chance at the county's most exposed location in a year: 5.53%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Volcanic Activity	0.0114	annual probability	about 1 in 88 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.0000692	annual probability at a location	chance a given location in the county burns in a year: 0.00692%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	
Winter Weather	6.1	event-days per year	about 6.1 days per year	Likely	Storm Events event-days in 16 of 30 years, 1996 to 2025 (53.3%)	111	2005-11-12 to 2024-11-12 (19 years)	countywide	

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

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

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

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

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	1	30	0.0333
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	1	30	0.0333
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	0	30	0
Tornado	EF0-1	1996 to 2025	3	30	0.1
Tornado	EF2-3	1996 to 2025	0	30	0
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	1	30	0.0333

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	7 of 61	1.8	2.0	2.4	Very Low 7, Not Applicable 54
Coastal Flooding	16 of 61	69.7	88.3	94.9	Relatively Moderate 7, Relatively Low 8, Very Low 1, No Rating 45
Cold Wave	2 of 61	15.7	15.7	15.7	Very Low 2, No Rating 59
Drought	8 of 61	67.3	68.9	70.7	Very Low 8, No Rating 53
Earthquake	61 of 61	83.5	92.5	99.9	Very High 13, Relatively High 39, Relatively Moderate 9
Hail	61 of 61	1.6	7.7	19.3	Very Low 61
Heat Wave	61 of 61	30.4	64.2	83.2	Relatively Moderate 39, Relatively Low 22
Hurricane	0 of 61				Not Applicable 61
Ice Storm	61 of 61	17.3	40.1	58.7	Relatively Low 39, Very Low 22
Inland Flooding	61 of 61	5.7	54.3	98.7	Very High 3, Relatively High 3, Relatively Moderate 33, Relatively Low 17, Very Low 5
Landslide	61 of 61	18.2	88.5	99.9	Relatively High 5, Relatively Moderate 11, Relatively Low 25, Very Low 20
Lightning	61 of 61	4.6	13.7	24.0	Relatively Low 3, Very Low 58
Strong Wind	61 of 61	10.0	19.5	44.0	Relatively Low 29, Very Low 32
Tornado	61 of 61	5.7	16.3	27.3	Very Low 61
Tsunami	10 of 61	13.9	34.5	62.6	Relatively Low 2, Very Low 8, No Rating 6, Not Applicable 45
Volcanic Activity	61 of 61	73.1	84.8	99.0	Relatively Moderate 4, Relatively Low 15, Very Low 42
Wildfire	61 of 61	22.9	59.5	85.0	Relatively Low 15, Very Low 46
Winter Weather	61 of 61	25.7	38.9	52.9	Relatively Moderate 4, Relatively Low 57

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Thurston County	County	Approved, expires 2029-02-17	FMA RL 2, SRL 1; any 26	\$6,880,078.32	0 total; 0 since its plan	Includes \$2,595,355.87 for declarations not counted as hazard incidents (DR-4481-WA, EM-3227-WA).
Lacey city	City	Approved, expires 2029-02-17	FMA RL 0, SRL 0; any 0	\$454,775.74	3 total; 0 since its plan	Includes \$136,521.16 for declarations not counted as hazard incidents (DR-4481-WA).
Olympia city	City	Approved, expires 2029-02-17	FMA RL 0, SRL 1; any 3	\$2,184,362.01	0 total; 0 since its plan	
Tumwater city	City	Approved, expires 2029-02-17	FMA RL 0, SRL 0; any 0	\$455,613.33	0 total; 0 since its plan	Includes \$10,612.67 for declarations not counted as hazard incidents (DR-4481-WA).

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

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

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

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

Local data needed

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

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-02-18 <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	\$0	n/a	under 1	\$0	n/a	\$3					building exposure is 0 in NRI
Coastal Flooding	\$1,705,769,664	n/a	5,601	\$446,947	n/a	\$31,973	0.0262%				
Cold Wave	\$33,040,331	\$331,862	109	under \$1	under \$1	\$21	under 0.0001%				
Drought	n/a	\$72,215,464	n/a	n/a	\$107	n/a	0.000148% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$110,005,839,815	n/a	294,793	\$82,488,652	n/a	\$51,191,597	0.075%				
Hail	\$64,483,098,397	\$226,717,437	294,398	\$15,906	\$1,990	\$2,792	under 0.0001%				
Heat Wave	\$64,483,098,397	\$226,717,437	294,398	\$1,041	\$27,428	\$3,716,774	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$64,054,653,555	n/a	292,793	\$55,541	n/a	\$154,351	under 0.0001%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2024-02-18 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Inland Flooding	\$64,391,111,992	\$45,384,489	4,394	\$49,643,487	\$11,502	\$4,557	n/a (see note)			no Public Assistance recorded (2 declarations)	NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$1,787,792,448	n/a	6,858	\$1,516,220	n/a	\$18,786	0.0848%			no Public Assistance recorded (2 declarations)	
Lightning	\$64,483,098,397	n/a	294,398	\$17,359	n/a	\$111,822	under 0.0001%				
Strong Wind	\$64,483,098,397	\$226,717,437	294,398	\$233,605	\$5	\$48,305	0.000362%		\$0	no Public Assistance recorded (2 declarations)	
Tornado	\$64,483,098,397	\$226,717,437	294,398	\$161,618	\$322	\$268,950	0.000251%				
Tsunami	\$1,812,765,427	n/a	143	\$72,321	n/a	\$18,693	0.00399%				
Volcanic Activity	\$64,483,098,397	n/a	294,398	\$56,582	n/a	\$138,895	under 0.0001%				
Wildfire	\$10,864,565,054	\$63,043,822	51,742	\$80,067	\$16	\$3,857	0.000737%				
Winter Weather	\$64,483,098,397	\$226,717,437	294,398	\$20,271	\$1,265	\$73,455	under 0.0001%				

Totals since 2024-02-18 (Storm Events through 2026-06-30): 0 county-coded records, 0 with a damage value recorded (including \$0), \$0; 8 zone-level records, 1 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: none recorded on the 2 counted declarations.

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

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

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

County context

Source: 5

Measure	Value
Population	294,398
Building value (total, not at risk)	\$64,483,098,397
Agriculture value (total, not at risk)	\$226,717,437
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$134,852,253
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)	\$55,784,830
Social vulnerability rating	Very Low
Community resilience rating	Relatively High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	2	Severe repetitive loss, FMA definition (44 CFR 77.2)	3
Repetitive loss, NFIP insurance definition	32	Severe repetitive loss, NFIP insurance definition	3

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

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	2	3	32	3	33	3	13
of which: Thurston County (unincorporated area)	2	1	25	1	26	3	12
of which: Bucoda town (community ID not in plan data)	0	0	3	0	3	0	0
of which: Olympia city	0	1	3	1	3	0	1
of which: Tenino city (community ID not in plan data)	0	1	1	1	1	0	0
Statewide, no county in FEMA's file	0	0	2	0	2	0	0

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

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Thurston County	530188	2	1	25	1	26	3	12
Lacey city	530190	0	0	0	0	0	0	0
Olympia city	530191	0	1	3	1	3	0	1
Tumwater city	530192	0	0	0	0	0	0	0

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

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

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	2	2	29	2	30	3	13
2 to 4 unit residential	0	1	2	1	2	0	0
other residential	0	0	0	0	0	0	0
non-residential	0	0	1	0	1	0	0
not reported	0	0	0	0	0	0	0

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

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

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

In this county 1 property is FMA repetitive loss but not NFIP repetitive loss, and 31 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scsd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse, citation and corrections

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). Thurston County, WA: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 53067). Automated baseline. <https://hazardplain.org/wa/53067/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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