

NWS Seattle Weather Briefing

Briefing will begin at 10:32 AM



Key Points

- A cooling trend is expected to last into at least early next week, resulting in an increasing chance of winter weather conditions beginning this weekend.
- For this weekend, the most likely areas of impactful snow will be across western Whatcom County, the Northern Olympic Peninsula, and within a Puget Sound Convergence Zone across northern King and Snohomish County. Mountain snow across Stevens & Snoqualmie Pass could create difficult travel conditions.
- Wind Chills could fall below 0°F across western Whatcom County Sunday night. Winds of 35-45 MPH possible in these areas.
- Significant uncertainty remains in the snow/ice/cold potential during the middle of next week.
 - Tuesday Night into Wednesday currently appear to have the highest risk of significant snowfall
 - The risk of freezing rain increases Tuesday night and persists through the week (peaking at a 25% chance late next week). However, this is HIGHLY dependent on temperatures.
- There is a chance of a rapid warm-up late next week, potentially resulting in heavy mountain snow, a lowland rain-on-snow event, river flooding, etc. leading into the holiday weekend.



What's Changed

- Better agreement in the forecast for Saturday-Monday, with likely periods of lowland snow showers particularly Sunday through Sunday night.
- Relatively drier weather on Monday for a break in the precipitation.
- A chance of a rapid increase in temperature late next week, potentially leading to a rain on snow event.



FRIDAY-FRIDAY NIGHT

Chilly, Dry

Dry weather through Friday night. Chilly overnight low temperatures in the mid 20s to low 30s. Potential for isolated areas of freezing fog, mainly across the Southern Puget Sound Friday morning.

SUNDAY-MONDAY

Rain/Snow Potential

Rain/snow mix likely during this period. Snow showers on Sunday from Snohomish County northward. Rain/snow transitioning to mainly snow showers for most areas by Sunday night. Potential for a Puget Sound Convergence Zone in northern King/Snohomish County Sunday. Drier Monday.

SATURDAY-SATURDAY NIGHT

Increasing Light Precipitation

Increasing light showers during the day. Potential for a rain/snow mix, primarily north of Everett into Saturday night.

TUESDAY & Beyond

High Uncertainty

Significant snow will be possible, particularly late TUE into WED. Freezing Rain potential also begins to increase around the same time. Later in the week, there is the potential for a rapid warm-up with significant precipitation resulting in, heavy mountain snow, lowland rain-on-snow, river flooding, etc leading into the holiday weekend.

WEATHER
TIMELINE

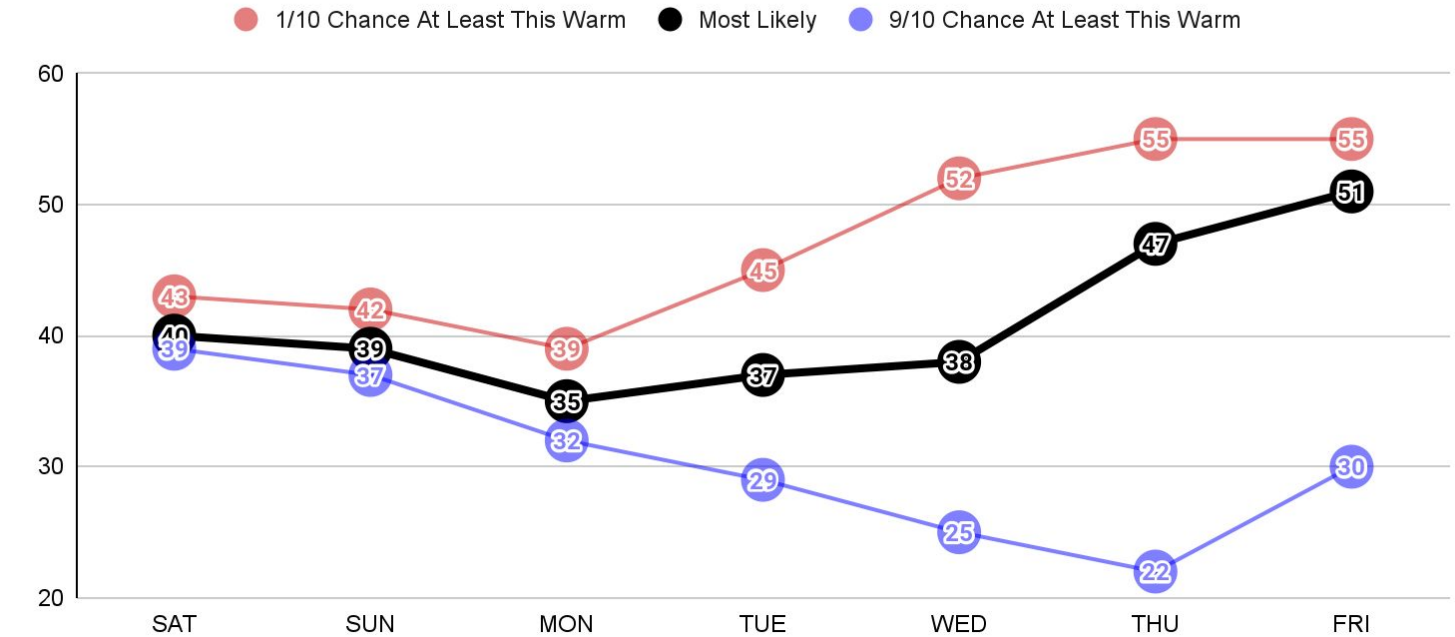


Cold Next Week

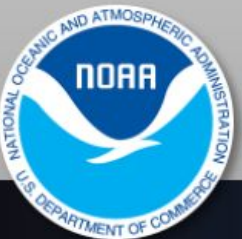
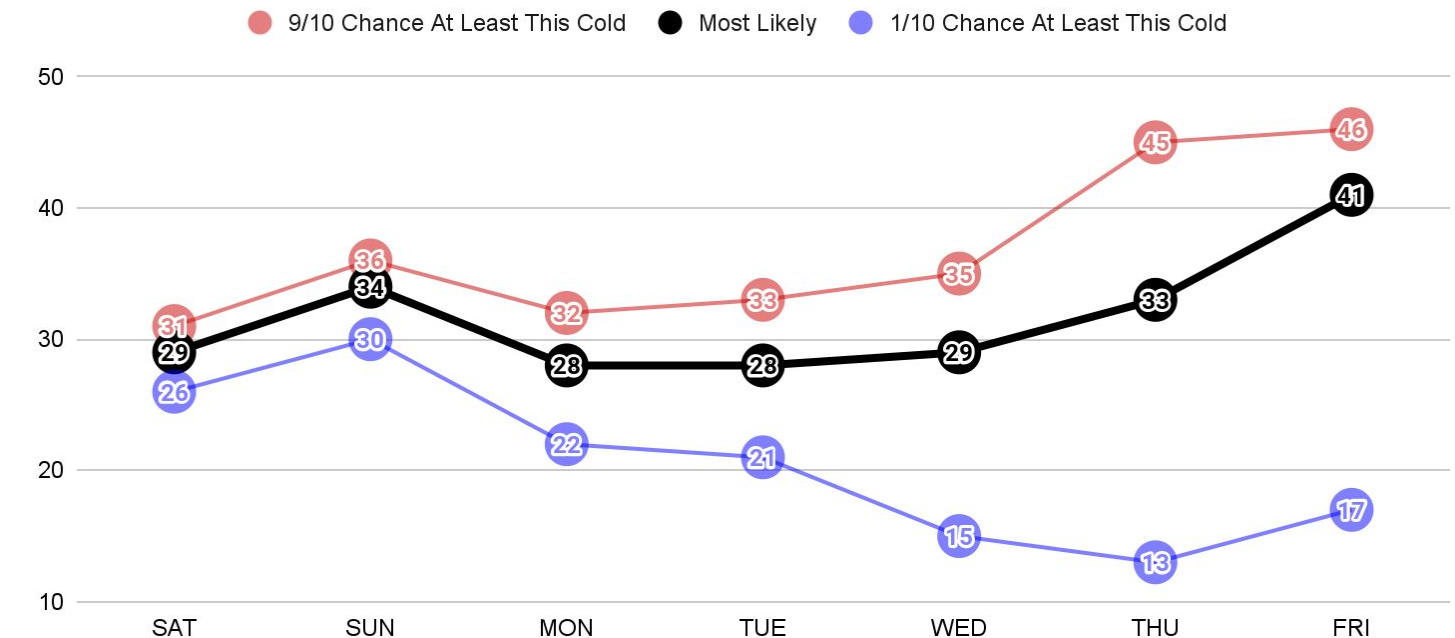
Seattle Temperatures

- A colder weather pattern will set-up early next week.
- Snow levels will lower during this period with the potential for snow levels near the surface.
- There is high uncertainty regarding any potential lowland snow, with the period to monitor is generally Sunday through Thursday with the cold temperatures.

Seattle - High Temperatures



Seattle - Low Temperatures

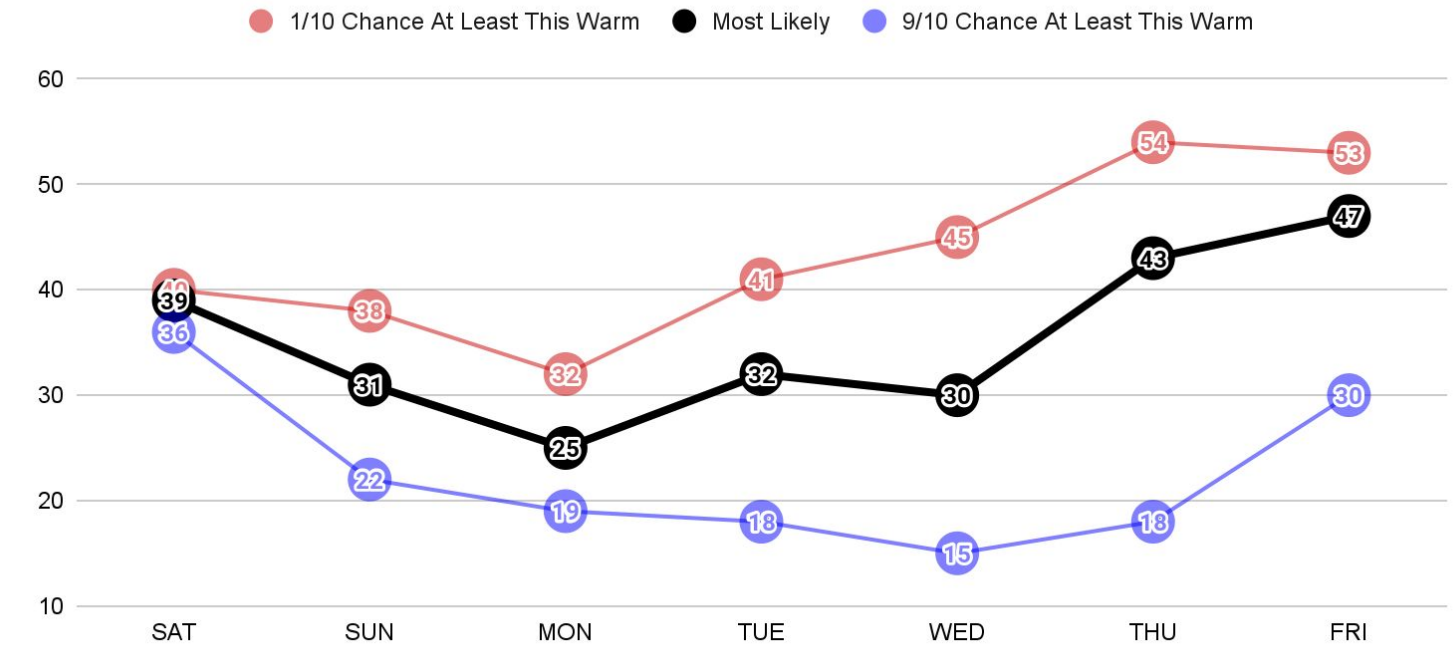


Cold Next Week

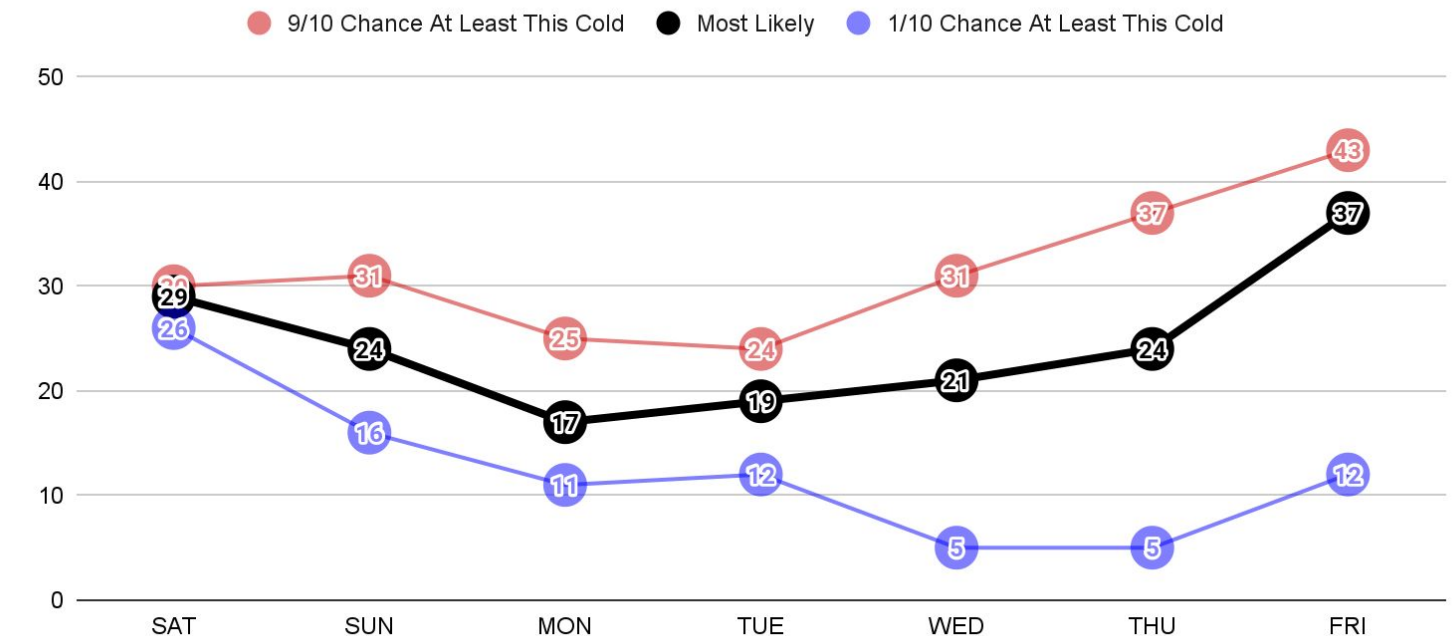
Bellingham Temperatures →

- A colder weather pattern will set-up early next week.
- Snow levels will lower during this period with the potential for snow levels near the surface.
- There is high uncertainty regarding any potential lowland snow, with the period to monitor is late Saturday through Friday with the colder temperatures.

Bellingham - High Temperatures



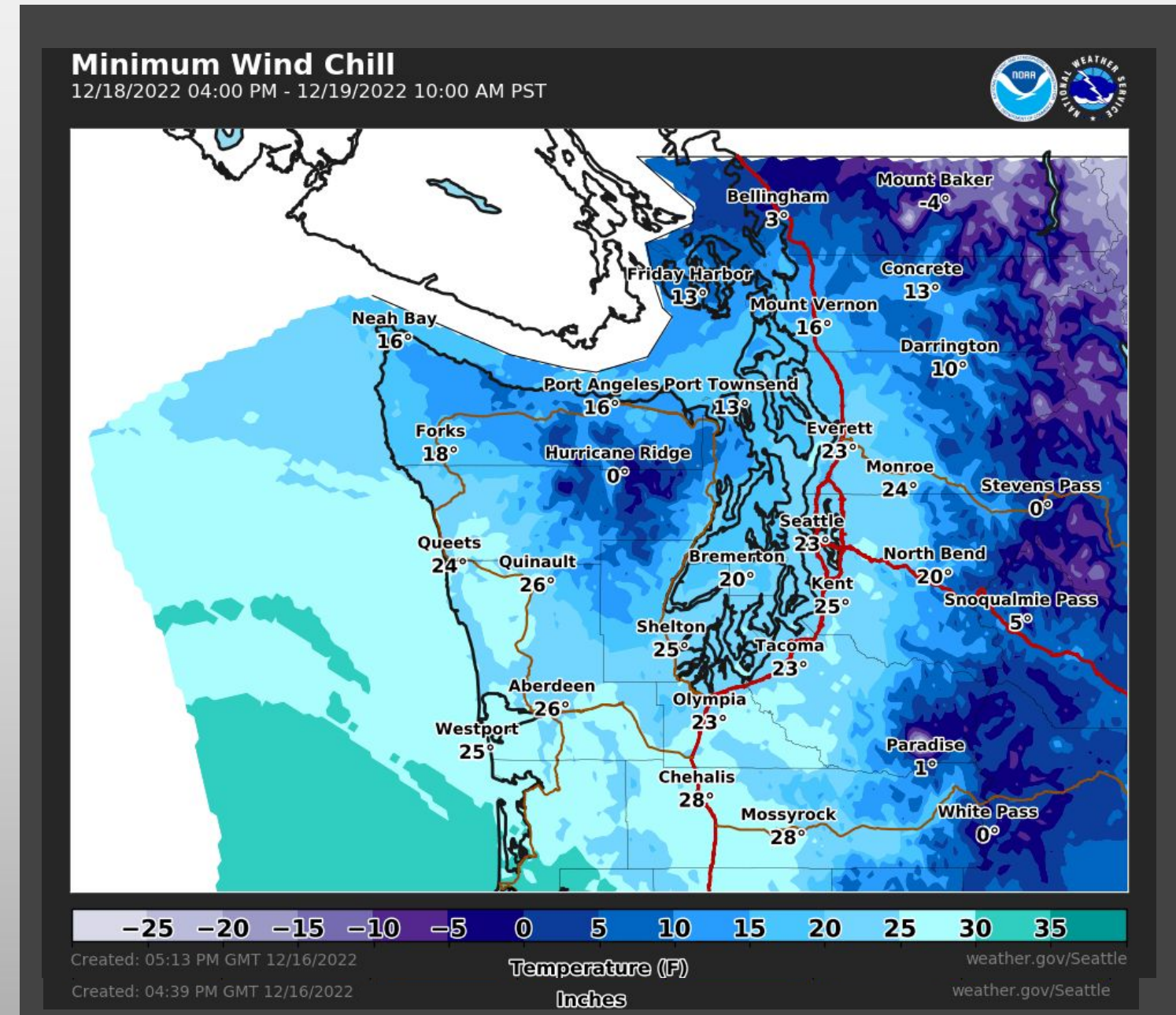
Bellingham - Low Temperatures



Wind Chill: 4 PM Sunday - 10 AM Monday

- **TIMING**

Fraser River Outflow winds will develop Sunday. Cold temperatures and winds will result in minimum wind chill values between -5 to +5 across western Whatcom County Sunday night.



Snow: 10 AM Saturday - 10 AM Sunday

- **TIMING**

Light showers developing Saturday in areas north of Everett (snow is most likely across Whatcom County).

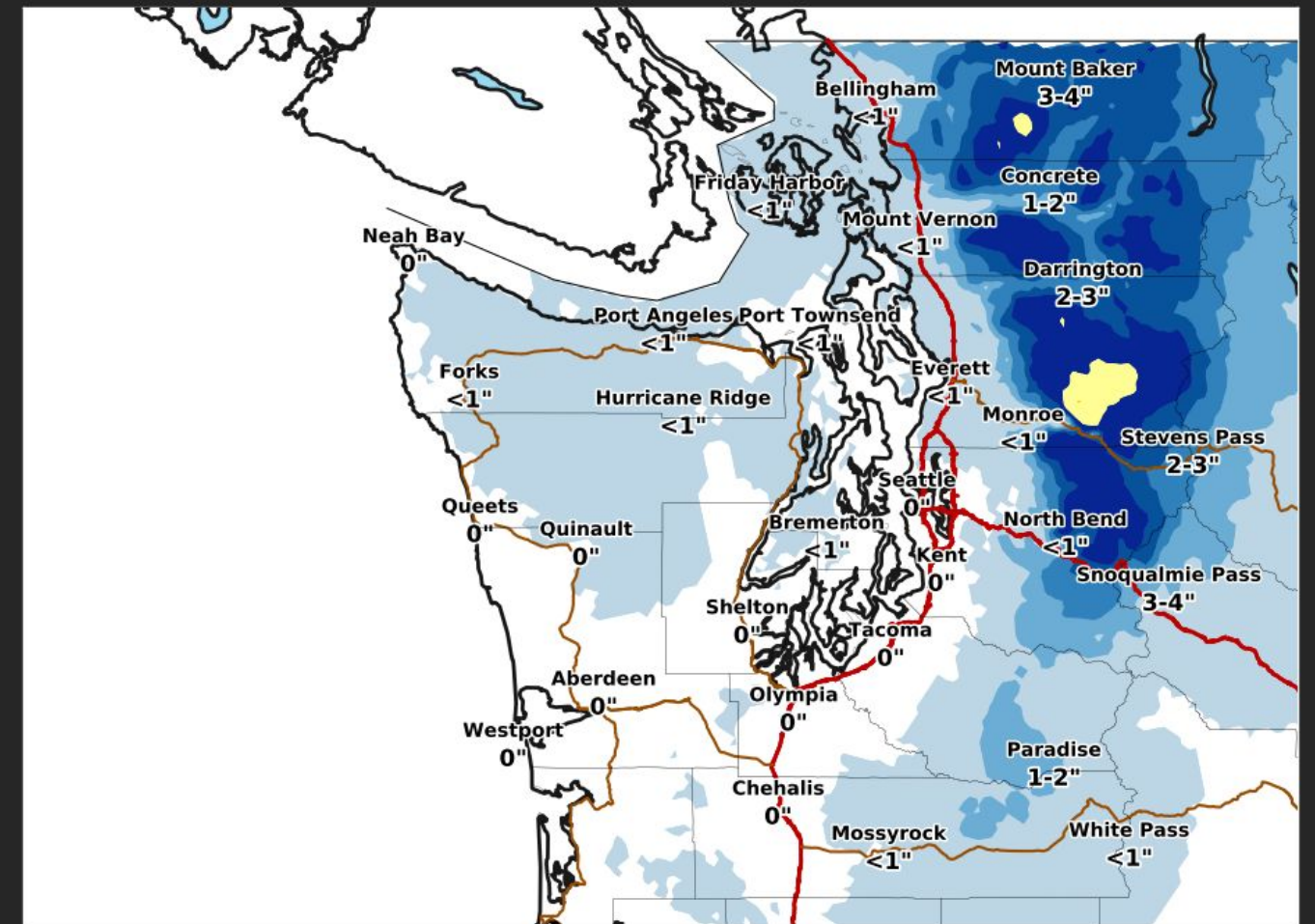
- **PRECIPITATION TYPE**

Precipitation may begin as rain in some areas (again, mainly north of Everett) and turn to snow during the evening hours. For areas south of Everett, precipitation may continue to fall as rain or a rain-snow mix with little accumulation.

Snowfall Totals

24 Hour - Official Forecast

12/17/2022 10:00 AM - 12/18/2022 10:00 AM PST



24-HOUR Snowfall Probabilities

10 AM Saturday - 10 AM Sunday

What is this?
 These graphs show the probability that snowfall will exceed the specified thresholds for select locations. Values above 50% indicate that snowfall of this amount has a greater than 50/50 chance of occurring. This data is derived from the National Blend of Models (NBM) and may differ from the official NWS forecast.

	PROBABILITY OF					
Location	> 1"	> 2"	> 4"	> 6"	> 8"	> 12"
Areas from Bellingham to Mt. Vernon	70% <i>(down to 35% in Mt Vernon)</i>	20% <i>(down to 5% in Mt Vernon)</i>	<5%	0%	0%	0%
Areas from Arlington to Lynnwood	30% <i>(down to 5% in Lynnwood)</i>	5% <i>(down to <5% in Lynnwood)</i>	0%	0%	0%	0%
Areas from Seattle to Tacoma	<5%	0%	0%	0%	0%	0%
Areas from Olympia to Chehalis	0%	0%	0%	0%	0%	0%
Areas from Forks to Grays Harbor	<5% <i>(down to 0% in Grays Harbor)</i>	0%	0%	0%	0%	0%
Northern Olympic Peninsula	10%	5%	0%	0%	0%	0%
Kitsap Peninsula/Hood Canal Area	5%	<5%	0%	0%	0%	0%
Cascade Foothills >500' (e.g. N. Bend, Enumclaw)	20%	5%	<5%	0%	0%	0%



Snow: 10 AM Sunday - 10 AM Monday

- **TIMING**

Shower activity will continue through the day Sunday. By Sunday evening/night temperatures will fall low enough for accumulation in most lowland locations.

- **CONVERGENCE ZONE**

A convergence may develop Sunday afternoon into Sunday night bringing slightly enhanced snowfall totals across areas of Snohomish County and into northern King County, as well as eastern Jefferson County near 101.

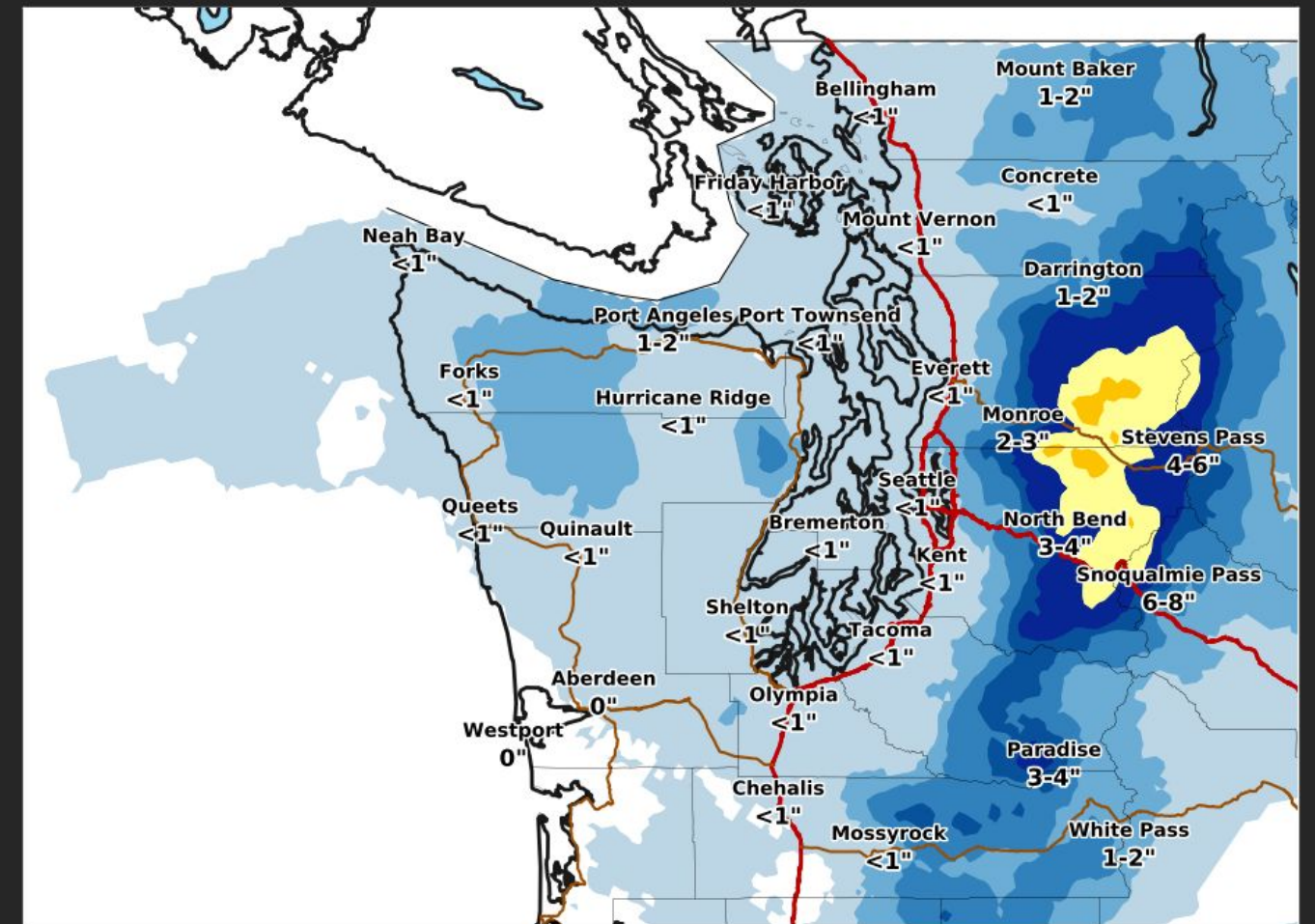
- **NORTHERN OLYMPIC PENINSULA**

Northerly winds will likely bring upslope snowfall to the northern Olympic Peninsula during this period. Elevated snowfall amounts are possible, including the Port Angeles area.

Snowfall Totals

24 Hour - Official Forecast

12/18/2022 10:00 AM - 12/19/2022 10:00 AM PST



24-HOUR Snowfall Probabilities

10 AM Sunday - 10 AM Monday

What is this?

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	PROBABILITY OF					
Location	> 1"	> 2"	> 4"	> 6"	> 8"	> 12"
Areas from Bellingham to Mt. Vernon	15%	<5%	0%	0%	0%	0%
Areas from Arlington to Lynnwood	50%	25%	<5%	0%	0%	0%
Areas from Seattle to Tacoma	20%	<5%	0%	0%	0%	0%
Areas from Olympia to Chehalis	5%	<5%	0%	0%	0%	0%
Areas from Forks to Grays Harbor	40% <i>(down to 20% in Grays Harbor)</i>	20% <i>(down to 5% in Grays Harbor)</i>	<5%	0%	0%	0%
Northern Olympic Peninsula	70%	50%	15%	<5%	0%	0%
Kitsap Peninsula/Hood Canal Area	50% <i>(down to 20% in Bremerton)</i>	25% <i>(down to 10% in Bremerton)</i>	15% <i>(down to <5% in Bremerton)</i>	10% <i>(down to 0% in Bremerton)</i>	<5% <i>(down to 0% in Bremerton)</i>	0%
Cascade Foothills >500' (e.g. N. Bend, Enumclaw)	50%	30%	5%	<5%	0%	0%



72-HOUR Snowfall Probabilities

Monday Afternoon through Thursday Afternoon

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	PROBABILITY OF				
Location	> 1"	> 4"	> 6"	> 8"	> 12"
Areas from Bellingham to Mt. Vernon	55%	25% <i>(down to 15% in Mount Vernon)</i>	10%	5%	0%
Areas from Arlington to Lynnwood	45%	15%	10%	5%	0%
Areas from Seattle to Tacoma	55%	15%	10%	5%	0%
Areas from Olympia to Chehalis	45% <i>(down to 35% in Chehalis)</i>	10%	10%	5%	0%
Areas from Forks to Grays Harbor	55% <i>(down to 45% in Grays Harbor)</i>	20% <i>(down to 10% in Grays Harbor)</i>	10% <i>(down to <5% in Grays Harbor)</i>	10%	0%
Northern Olympic Peninsula	65%	35%	20%	15%	<5%
Kitsap Peninsula/Hood Canal Area	70%	35%	35% <i>(down to 15% in Grays Harbor)</i>	20% <i>(down to 10% in Bremerton)</i>	0%
Cascade Foothills >500' (e.g. N. Bend, Enumclaw)	65%	40%	25%	15%	<5%



Safety Graphics

More resources available at: weather.gov/wrn/winter_safety



Key Points - Summary

- A cooling trend is expected to last into at least early next week, resulting in an increasing chance of winter weather conditions beginning this weekend.
- For this weekend, the most likely areas of impactful snow will be across western Whatcom County, the Northern Olympic Peninsula, and within a Puget Sound Convergence Zone across northern King and Snohomish County. Mountain snow across Stevens & Snoqualmie Pass could create difficult travel conditions.
- Wind Chills could fall below 0°F across western Whatcom County Sunday night. Winds of 35-45 MPH possible in these areas.
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