

NWS Seattle Weather Briefing

Briefing will begin at 10:32 AM



Key Points

- Very cold temperatures expected through Wednesday before slight warming occurs Thursday. Another slight warming will occur this weekend. However, below normal temperatures likely to persist into early January.
- Weak system slides by the coast & southwest WA Monday night bringing light snowfall accumulations.
- Next chance for widespread precipitation will be Wednesday night through Thursday. Widespread snow or a rain-snow mix will be possible. 10-20% chance of freezing rain across southwest Washington.
- Dry & relatively calm conditions likely for New Year's Eve (during the evening), lowland temperatures in the upper teens to mid 20s.
- Another widespread precipitation event is expected late Saturday through Monday, precipitation likely to change from snow to rain with this event.



What's Changed?

- Snow forecast has increased slightly for the Monday night system.
- Additional systems Wednesday night-Thursday and then Saturday night–Monday.
- Temperatures likely to cool again next week, but not as low as this week.



MONDAY

Very Cold, Weak System Overnight

Very cold. Fraser River Outflow weakens. Weak system Monday night brings more light snow, primarily to the coast and areas from Olympia southward.

WEDNESDAY

Continued Cold, Next system arrives

Very cold. Mainly Dry. Fraser Outflow weakens during the afternoon.

Next system arrives by Wednesday evening bringing widespread snowfall. Possibly mixed precipitation at the coast.

FRIDAY

Still Cool, Precipitation ending

Precipitation tapering off by Friday morning. Temperatures still hovering near/below freezing in most locations. Refreeze Friday night.

TUESDAY

Very Cold, Drier, Calmer

Very cold. Light snow tapering off.

Fraser Outflow begins to pick up again Tuesday night.

THURSDAY

Widespread Snow, Slight Warming

Widespread precipitation, (mainly snow). Slight warming may result in mixed precipitation, especially along the coast & SW WA. 10-20% Chance of freezing rain across the coast & SW WA. Precipitation begins to taper off Thursday night. Refreeze Thursday night.

SATURDAY & BEYOND

Slightly warmer, wintry mix

The next system will move into the region late Saturday through Monday. Precipitation may begin as snow, but then change to rain. Will need to be monitored for freezing rain potential. Lowland temperatures likely to peak Sunday in the low 40s before cooling again next week.

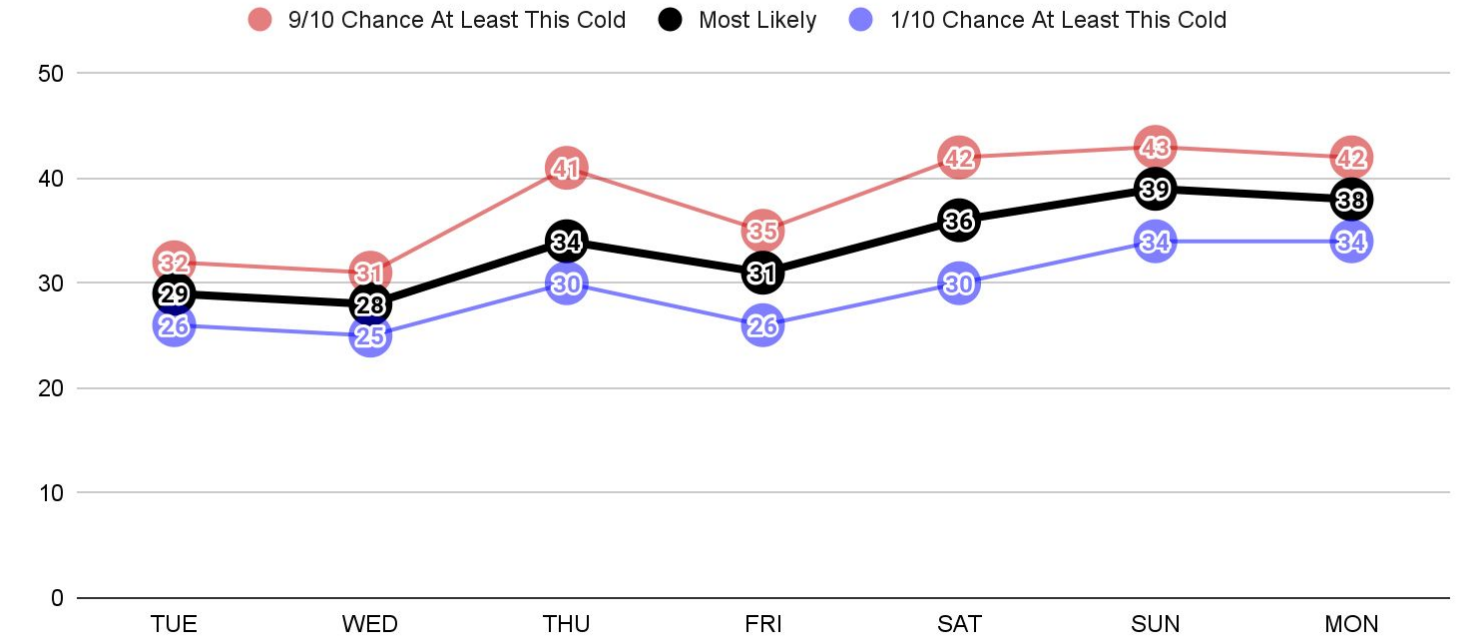
WEATHER
TIMELINE



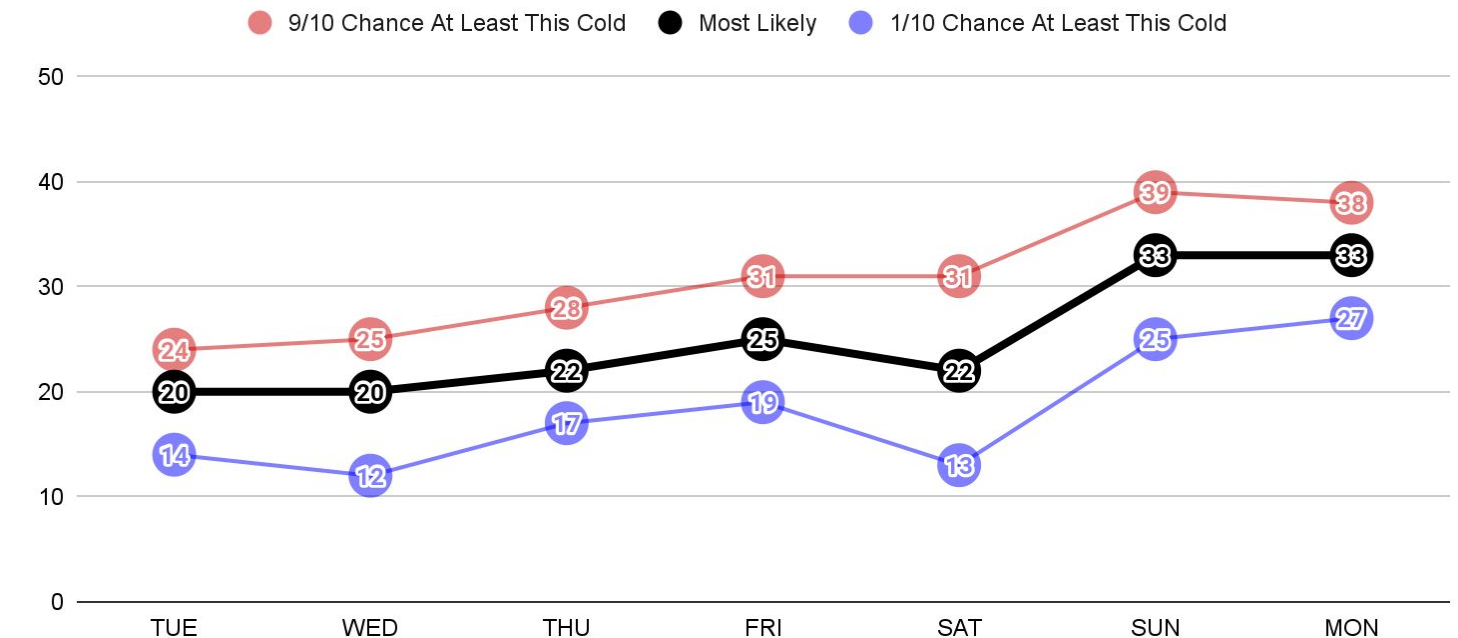
Very Cold Next Week

- Coldest air of the season so far, possible of the last few years.
- Highs will struggle to reach freezing Sunday through Wednesday. Refreeze likely every day.
- Very cold temperatures will impact vulnerable populations such as the homeless, pets, and those without adequate access to heating. Exposed pipes may be damaged by freezing conditions. Sensitive crops/plants may be killed.

Seattle - High Temperatures



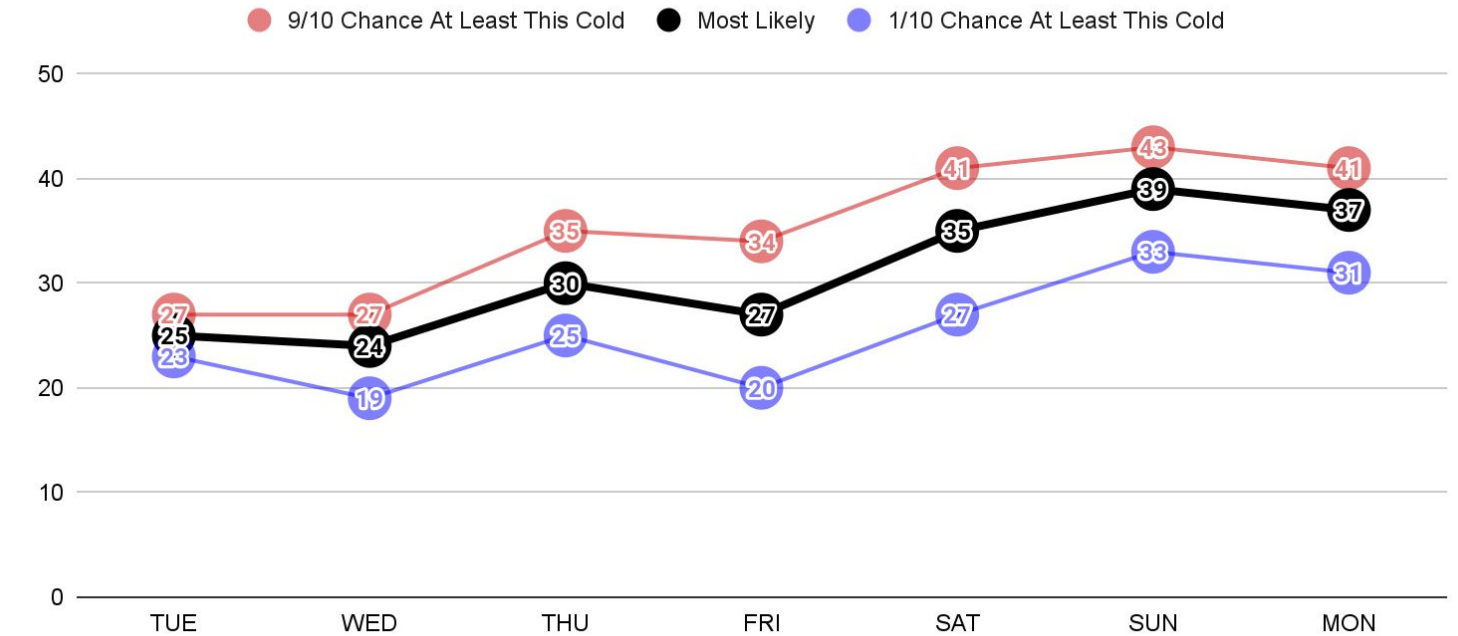
Seattle - Low Temperatures



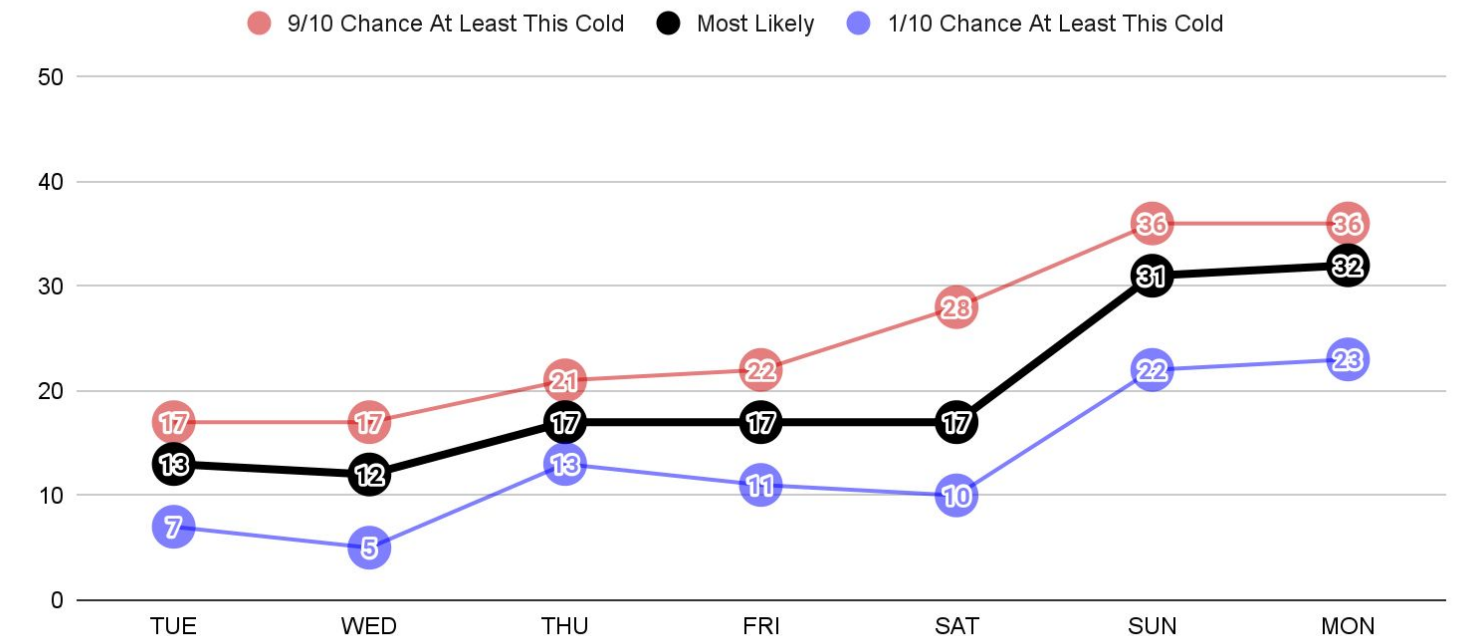
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Bellingham - High Temperatures



Bellingham - Low Temperatures



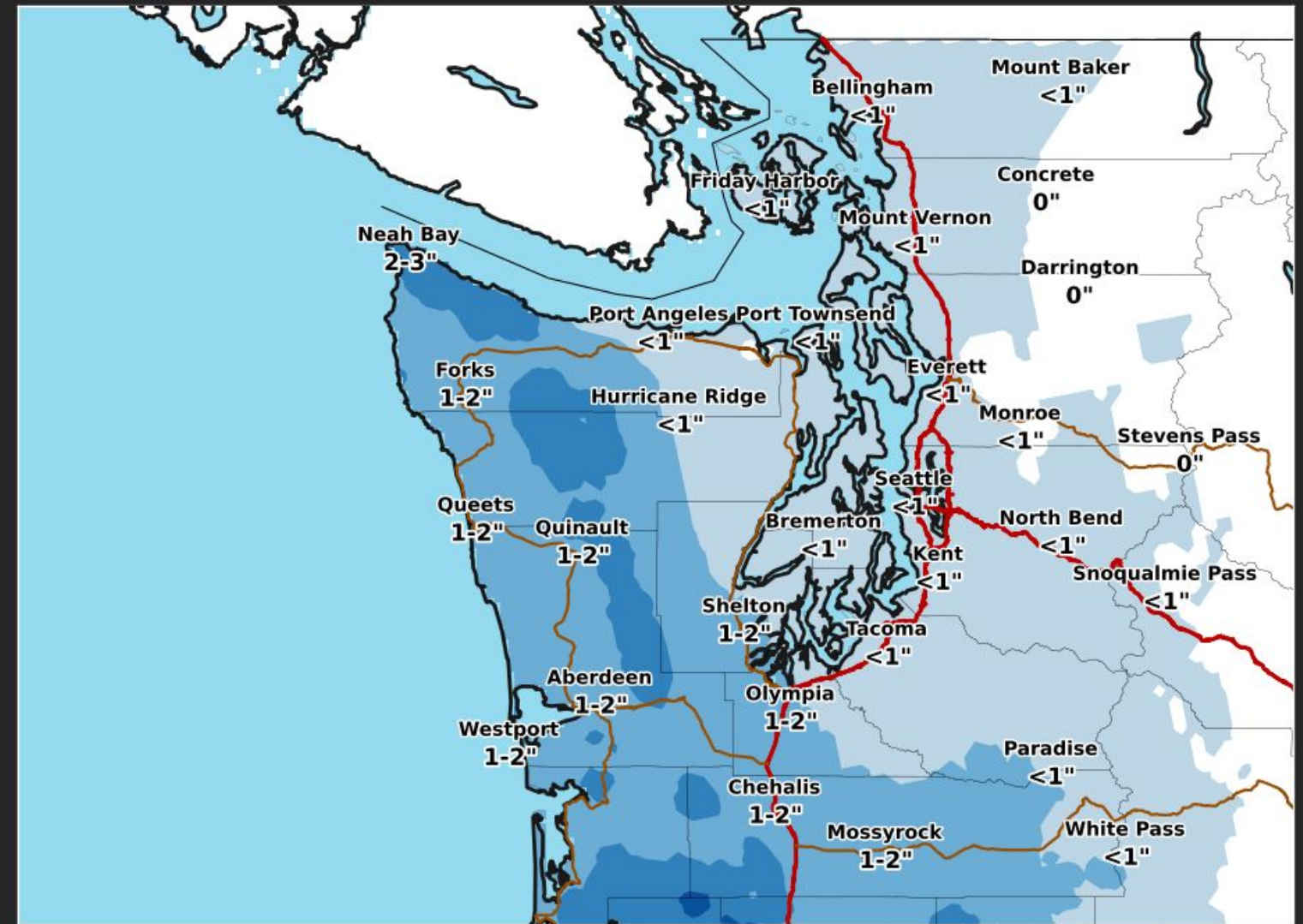
Snow Forecast

- **CONFIDENCE: MODERATE**
- Weak system slides by the region Monday night bringing some additional light snow, mainly near the coast.

10 AM Monday- 10 AM Tuesday

Expected Snowfall - Official NWS Forecast

12/27/2021 10:00 AM - 12/28/2021 10:00 AM PST



24-HOUR Snowfall Probabilities

10 AM Monday through 10 AM Tuesday

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.

Location	PROBABILITY OF					
	> 1"	> 2"	> 4"	> 6"	> 8"	> 12"
Areas from Bellingham to Mt. Vernon	<5%	0%	0%	0%	0%	0%
Areas from Arlington to Lynnwood	25%	<5%	0%	0%	0%	0%
Areas from Seattle to Tacoma	35%	10%	0%	0%	0%	0%
Areas from Olympia to Chehalis	60%	30%	<5%	0%	0%	0%
Areas from Grays Harbor to Forks	75%	45%	5%	0%	0%	0%
Northern Olympic Peninsula	65%	30%	<5%	0%	0%	0%
Kitsap Peninsula/Hood Canal Area	50%	25%	<5%	0%	0%	0%



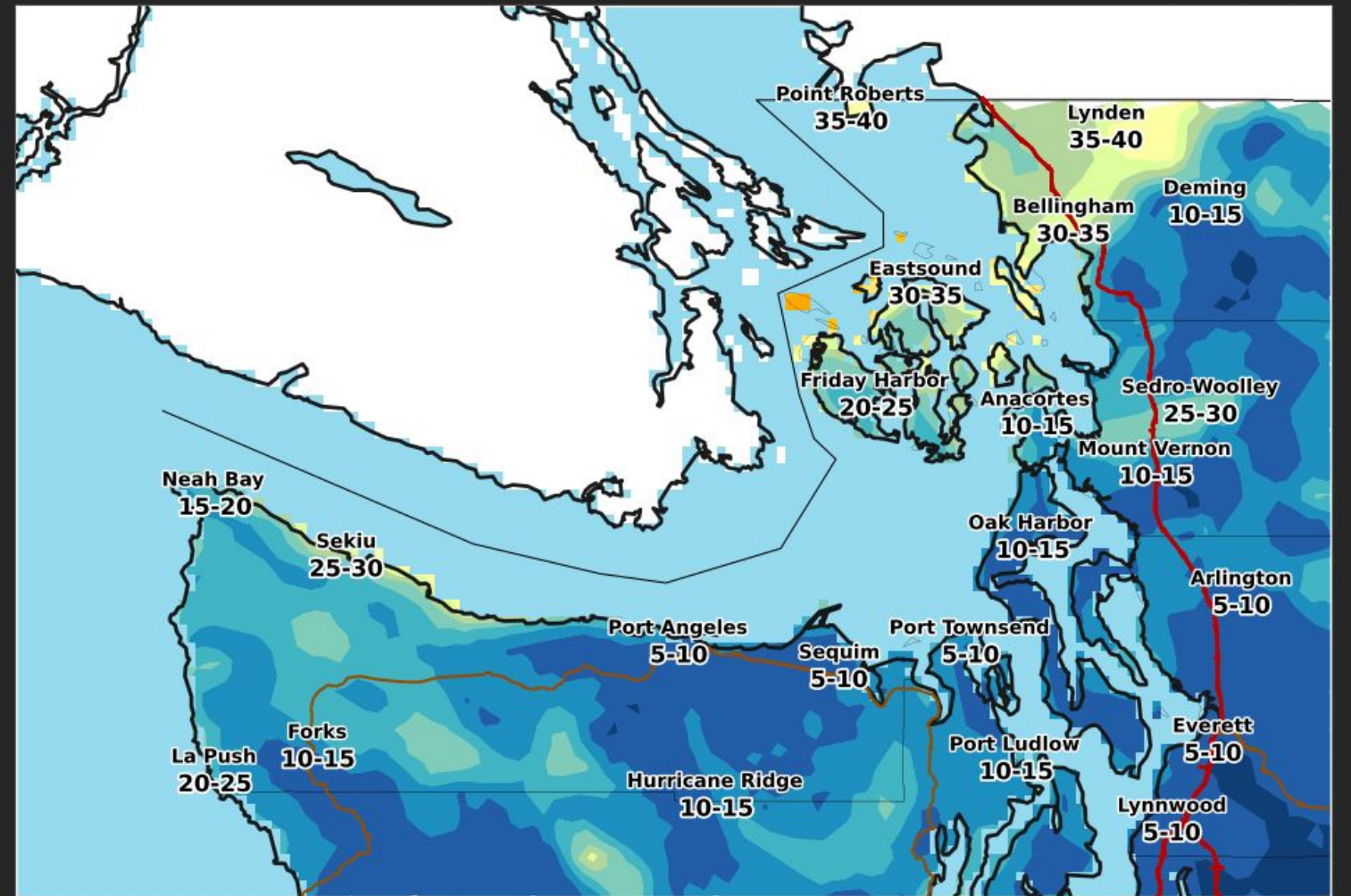
Wind Forecast

- **CONFIDENCE: HIGH**
- **Fraser River Outflow (Strong NE Winds)**
 - Increasing Tuesday night
 - Peaking early Wednesday morning and remaining breezy through the afternoon

Tuesday Night-Wednesday Afternoon

Maximum Wind Gusts

12/28/2021 10:00 PM - 12/29/2021 04:00 PM PST



Created: 08:43 AM PST 12/27/2021

Speed (MPH)

weather.gov/Seattle



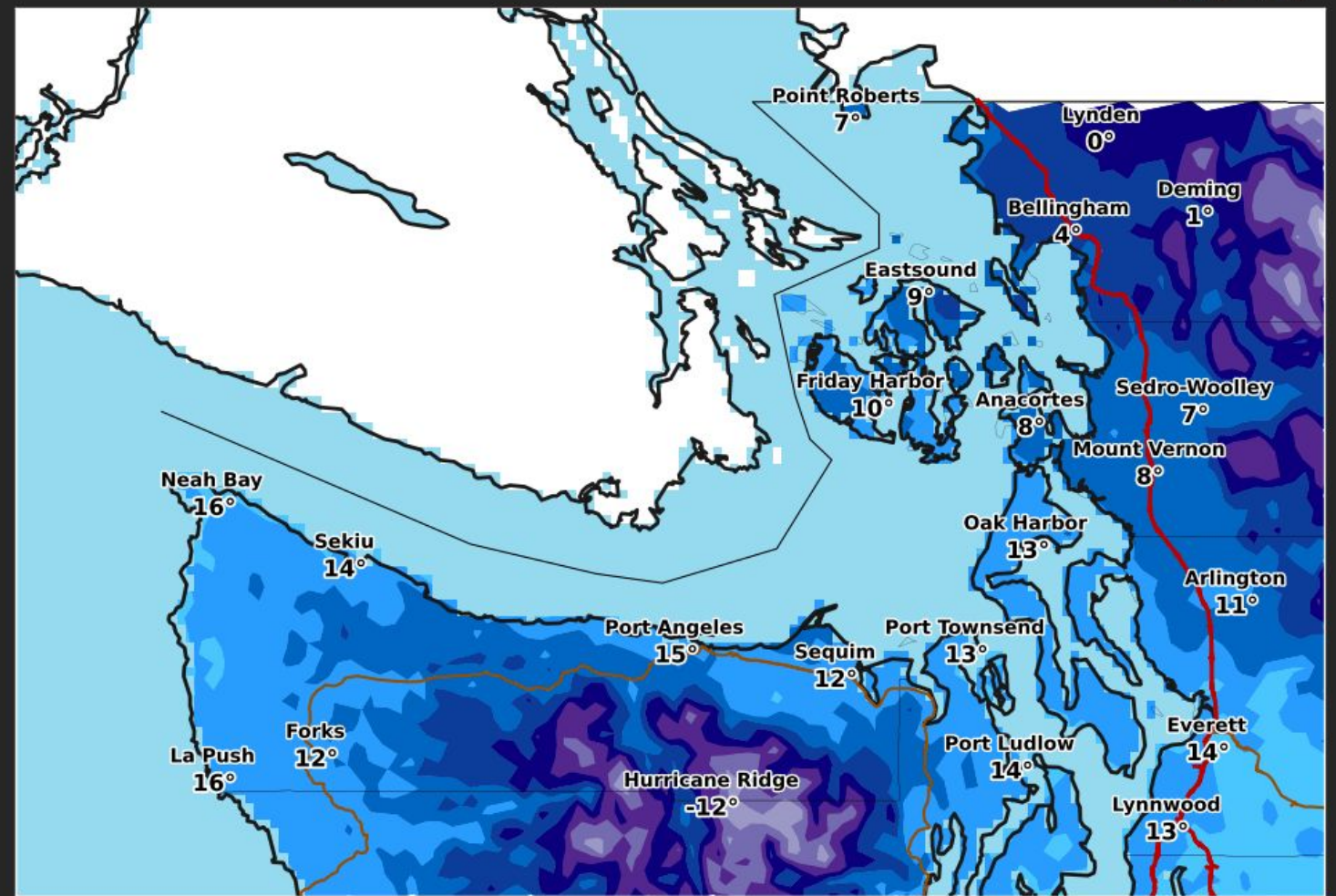
Wind Chill

- **CONFIDENCE: HIGH**
- **Wind Chill:** Wind chill values between -5°F and 5°F across western Whatcom County.
- **People outside may suffer from frostbite and/or hypothermia.**

6 AM Wednesday

Wind Chill Temperature

Wednesday, December 29, 2021 at 06 AM PST



48-HOUR Snowfall Probabilities

4 PM Wednesday through 4 PM Friday

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Location	PROBABILITY OF					
	> 1"	> 2"	> 4"	> 6"	> 8"	> 12"
Areas from Bellingham to Mt. Vernon	90%	75%	20%	<5%	<5%	0%
Areas from Arlington to Lynnwood	90%	70%	25%	5%	<5%	0%
Areas from Seattle to Tacoma	90%	70%	25%	5%	0%	0%
Areas from Olympia to Chehalis	85%	70%	25%	5%	<5%	0%
Areas from Grays Harbor to Forks	50%	25%	15%	5%	<5%	<5%
Northern Olympic Peninsula	>95%	90%	50%	30%	10%	<5%
Kitsap Peninsula/Hood Canal Area	90%	75%	40%	15%	5%	0%



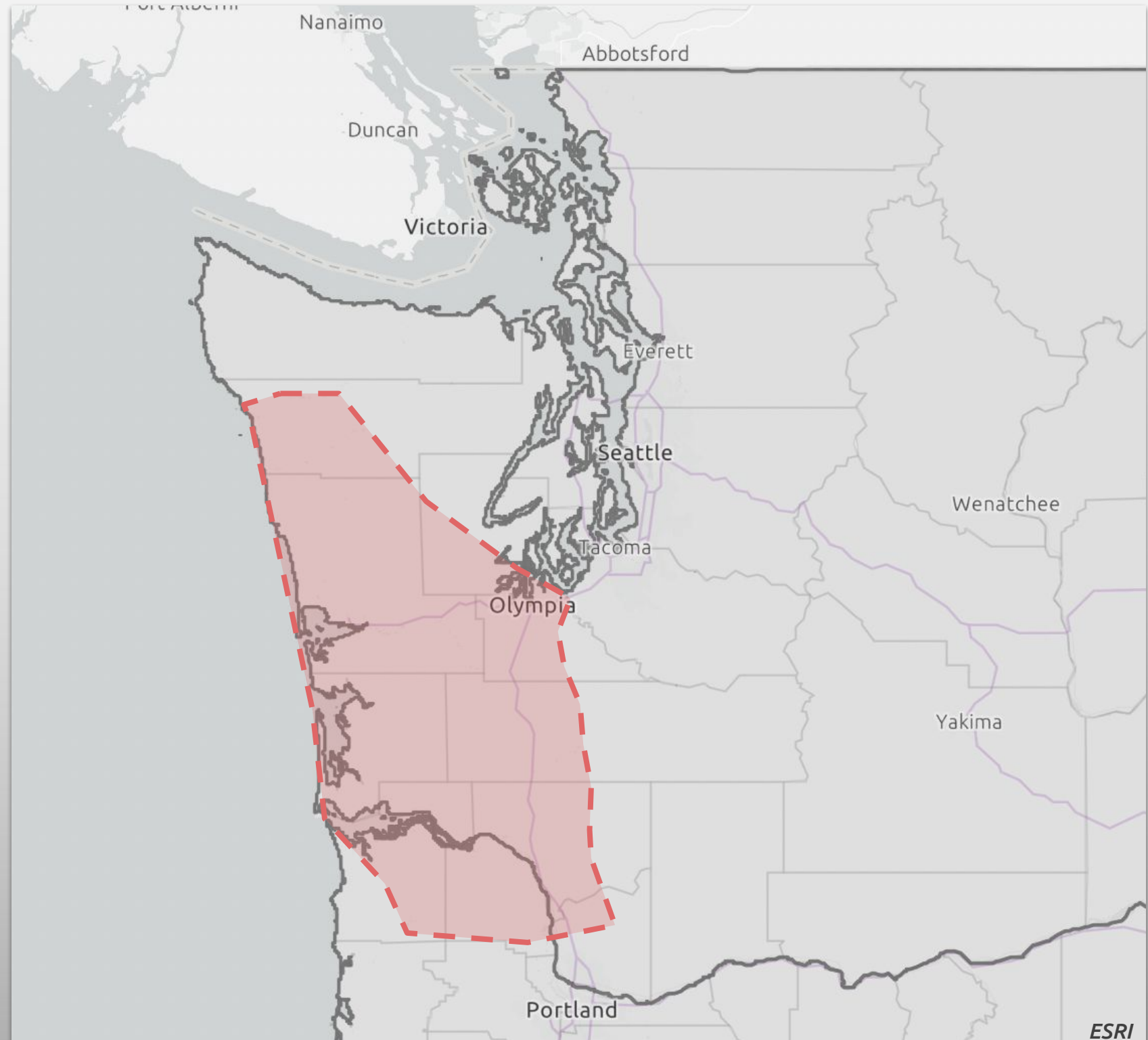
Freezing Rain

Thursday & Thursday Night

Legend

10-20% Chance
of a period of
Freezing Rain

- A period of freezing rain cannot be ruled out along portions of the WA Coast and southwest Washington Thursday and Thursday night.
- This includes Interstate 5 between Olympia and Longview.
- Ice accumulations would likely remain light (less than 0.10"), but any ice can bring significant impacts.



A Note from the Northwest Avalanche Center

- Avalanche danger will be fairly typical for mid-winter through next week.
- Main concern is the extreme cold in the mountains, especially for those that are unprepared or who encounter an unexpected emergency.
- Website: nwac.us for more information on Avalanche information



Calls to Action



Protect Pets & Livestock

Make sure they have plenty of food and water, and are not overly exposed to extreme cold.



Cover Exposed Skin. Dress in Layers

Make sure you cover exposed skin and dress in lightweight, warm layers.



Protect your Pipes

Take precautions to ensure your water pipes do not freeze. Let the faucet drip to prevent frozen pipes.



Know the Signs of Frostbite & Hypothermia

Limit time spent out in the cold. Know the signs of frostbite and hypothermia if you are going outdoors.



Fill Up Your Gas Tank

Make sure your car or vehicle has at least a half a tank of gas during extreme cold situations so that you can stay warm if you become stranded.



Carry an Emergency Kit

Including items such as: jumper cables, flashlights, first aid kit, baby & special needs gear, food, water, basic toolkit, pet supplies, radio, cat litter or sand, shovel, ice scraper, clothes, warmers, blankets/sleeping bags, phone charger.



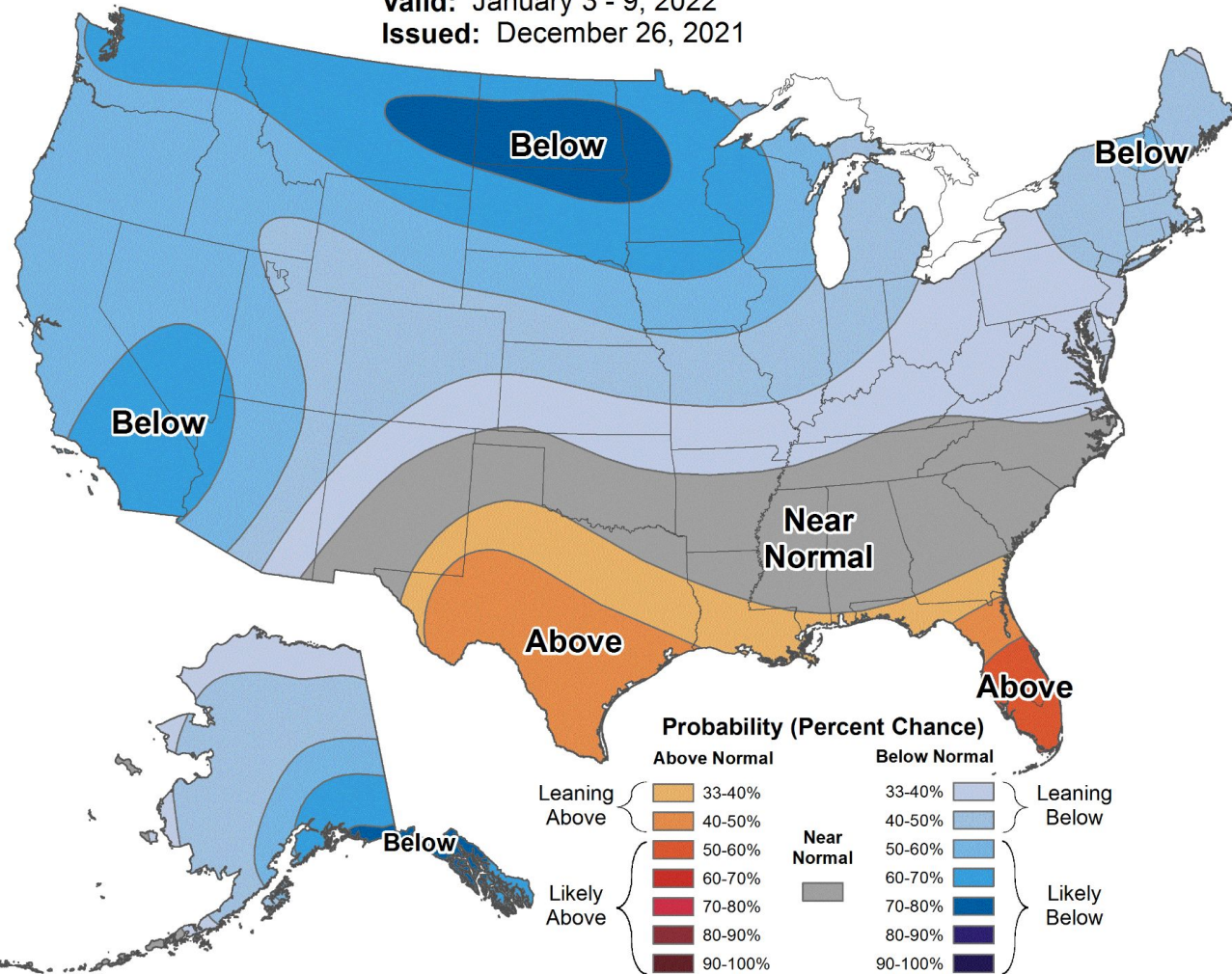
Extended Outlook



8-14 Day Temperature Outlook



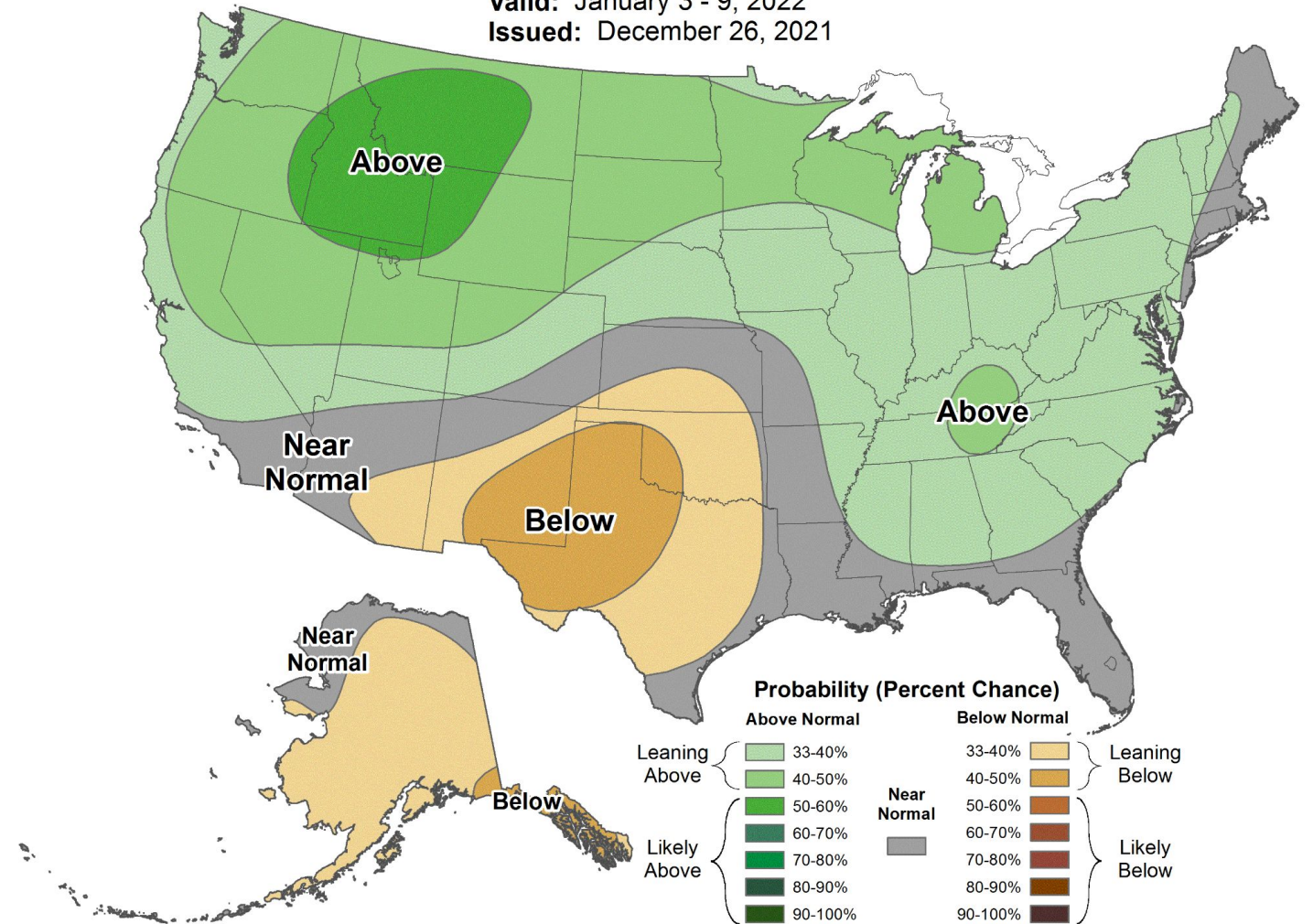
Valid: January 3 - 9, 2022
 Issued: December 26, 2021



8-14 Day Precipitation Outlook



Valid: January 3 - 9, 2022
 Issued: December 26, 2021



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