

Weather and Climate Outlook

Idaho Water Supply Committee Meeting

Weather Forecast Office

Boise, ID

Thursday, January 15

Presenter : Jackson Macfarlane

- Recent Conditions
- State of Climatological Forecast
- Short Term Forecast
- Seasonal Temperature & Precipitation Outlook

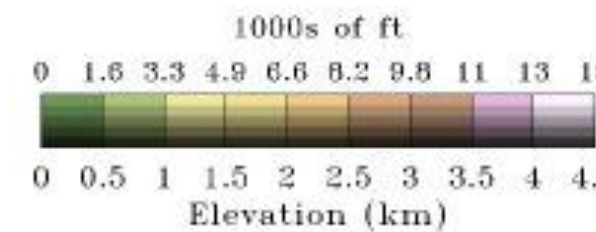
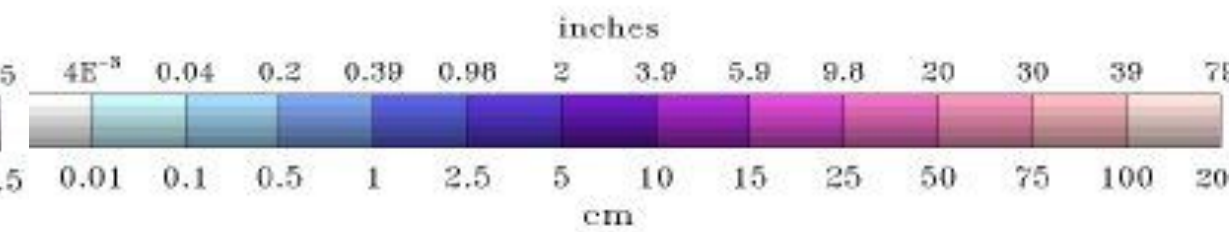
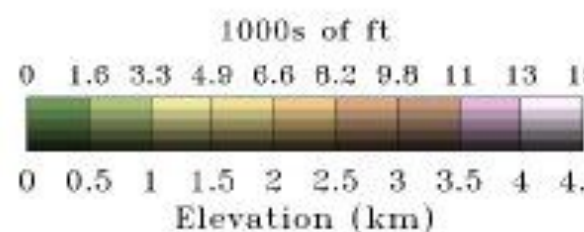
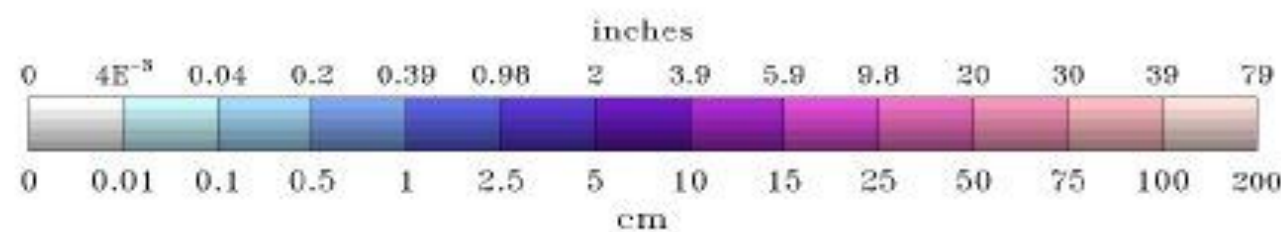
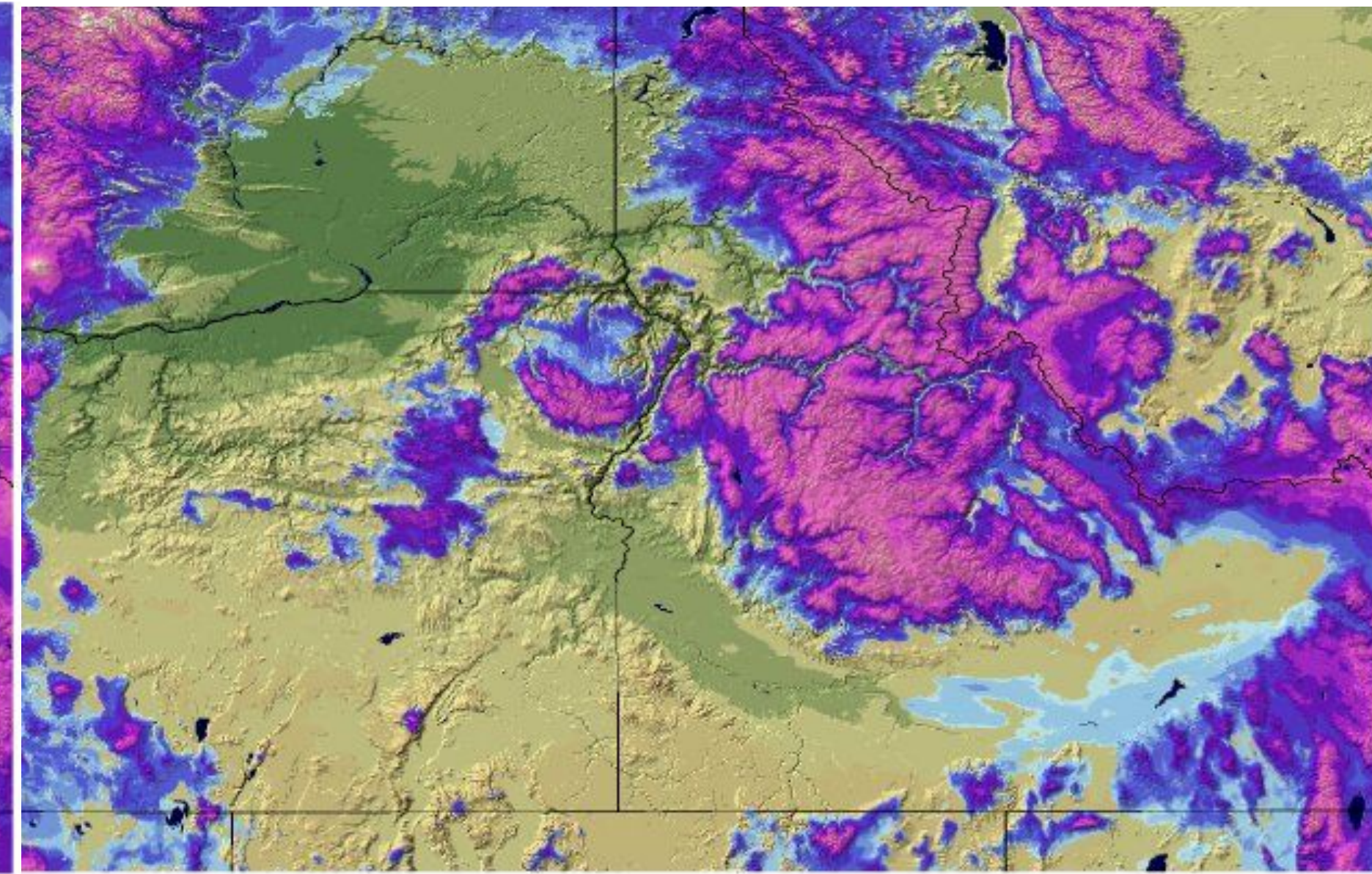
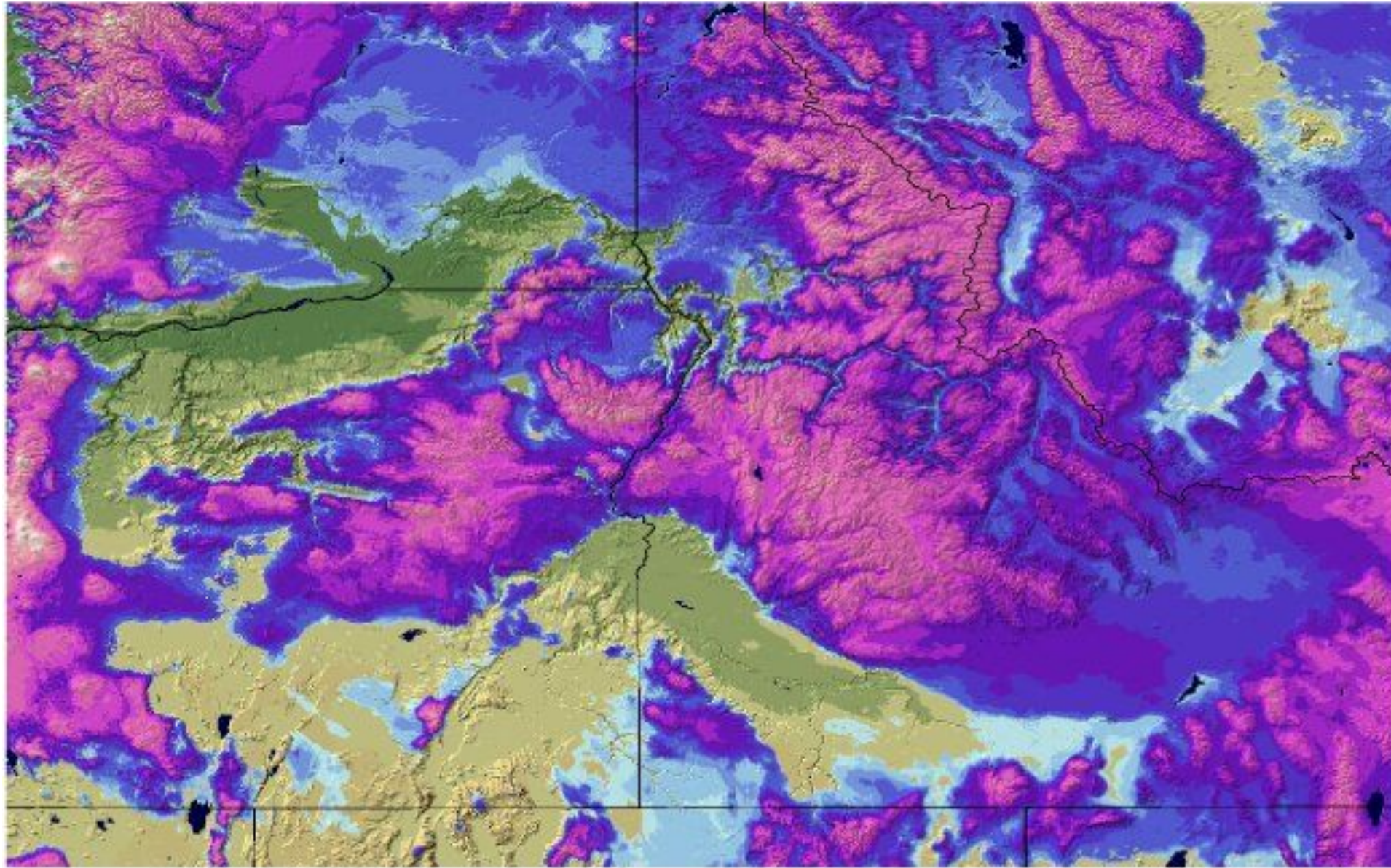


Snowpack Comparison - SWE

Weather Forecast Office
Boise, ID
Thursday, January 15

Jan 15, 2025

Jan 15, 2026



<https://www.nohrsc.noaa.gov/>



Snowpack

Seasons with the least amount of snowfall in Boise as of January 14th

Monthly Total Snowfall for Boise Area, ID (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Season
2025-2026	0.0	0.1	T	T	M	M	M	M	M	M	M	M	0.1
1933-1934	0.0	T	0.6	T	0.0	0.0	0.5	0.0	0.0	0.0	0.0	T	1.1
2004-2005	0.0	1.0	T	1.4	0.4	T	T	0.0	0.0	0.0	0.0	0.0	2.8
1991-1992	1.1	2.8	T	0.3	T	0.0	T	0.0	0.0	0.0	0.0	0.0	4.2
2002-2003	T	0.0	1.7	T	0.4	0.8	2.1	0.0	0.0	0.0	0.0	0.0	5.0
1939-1940	T	0.0	1.5	3.5	1.5	T	0.0	0.0	0.0	0.0	0.0	0.0	6.5
1944-1945	0.0	T	1.3	3.4	0.3	1.7	T	T	0.0	0.0	0.0	0.0	6.7
1960-1961	T	2.1	1.1	T	3.2	0.8	0.0	T	0.0	0.0	0.0	0.0	7.2
1997-1998	0.0	0.0	0.6	4.2	1.4	1.1	T	0.0	0.0	T	0.0	T	7.3
1986-1987	0.0	5.9	0.9	0.5	0.6	T	0.0	0.0	0.0	0.0	0.0	0.0	7.9
1907-1908	0.0	0.7	1.9	0.4	4.3	1.0	T	0.0	0.0	0.0	0.0	0.0	8.3
2011-2012	0.0	0.2	0.2	4.9	1.0	2.3	T	0.0	0.0	0.0	0.0	0.0	8.6
1993-1994	0.0	1.9	0.2	2.8	3.8	T	T	0.0	0.0	0.0	0.0	0.0	8.7
2006-2007	T	1.2	1.9	1.9	3.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	8.8
1940-1941	0.0	4.7	T	4.1	T	0.0	T	0.0	0.0	0.0	0.0	0.0	8.8
1914-1915	0.0	T	2.7	3.7	0.8	T	1.8	T	0.0	0.0	0.0	0.0	9.0
1980-1981	0.0	3.2	1.7	3.6	0.7	T	0.5	0.0	0.0	0.0	0.0	0.0	9.7
1958-1959	0.0	T	0.1	6.3	3.0	0.3	T	0.0	0.0	0.0	0.0	0.0	9.7
1943-1944	T	T	1.0	3.5	5.3	T	T	T	0.0	0.0	0.0	0.0	9.8

Monthly Total Snowfall for Boise Area, ID (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

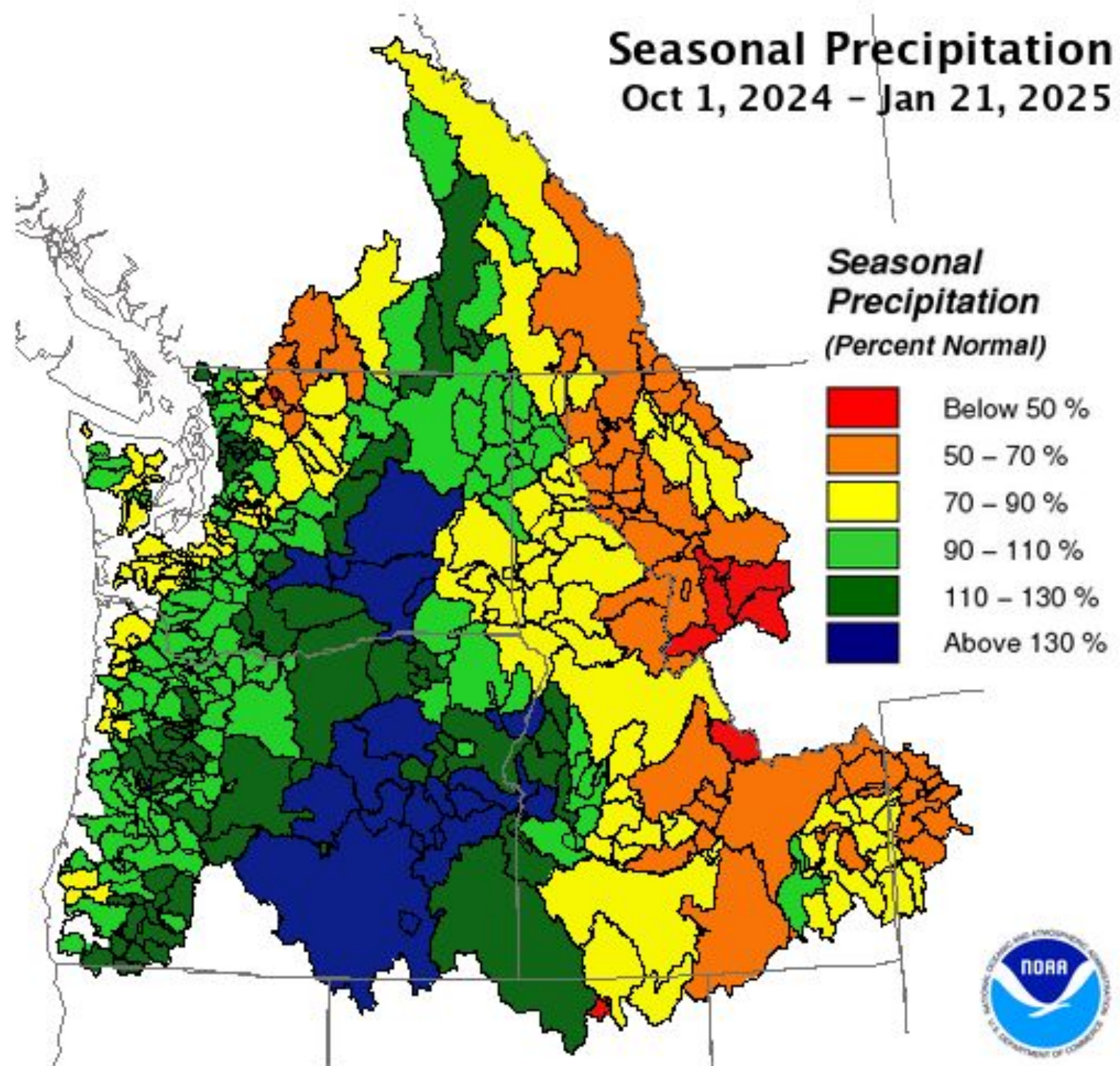
Year	Oct	Nov	Dec	Jan	Season
2025-2026	0.0	0.1	T	T	0.1
1933-1934	0.0	T	0.6	T	0.6
1937-1938	0.0	T	0.1	0.6	0.7
2002-2003	T	0.0	1.7	T	1.7
2024-2025	0.0	T	T	2.4	2.4
2004-2005	0.0	1.0	T	1.4	2.4
1918-1919	0.0	T	2.2	0.4	2.6
1907-1908	0.0	0.7	1.9	0.4	3.0
1960-1961	T	2.1	1.1	T	3.2
1952-1953	0.0	T	2.5	1.1	3.6
1991-1992	1.1	2.8	T	0.3	4.2
1943-1944	T	T	1.0	3.5	4.5
1944-1945	0.0	T	1.3	3.4	4.7
1997-1998	0.0	0.0	0.6	4.2	4.8
1993-1994	0.0	1.9	0.2	2.8	4.9
1917-1918	0.0	0.0	T	4.9	4.9
2006-2007	T	1.2	1.9	1.9	5.0
1939-1940	T	0.0	1.5	3.5	5.0

Despite a normal first measurable snowfall in November,
we have not had a day of measurable snowfall since then.



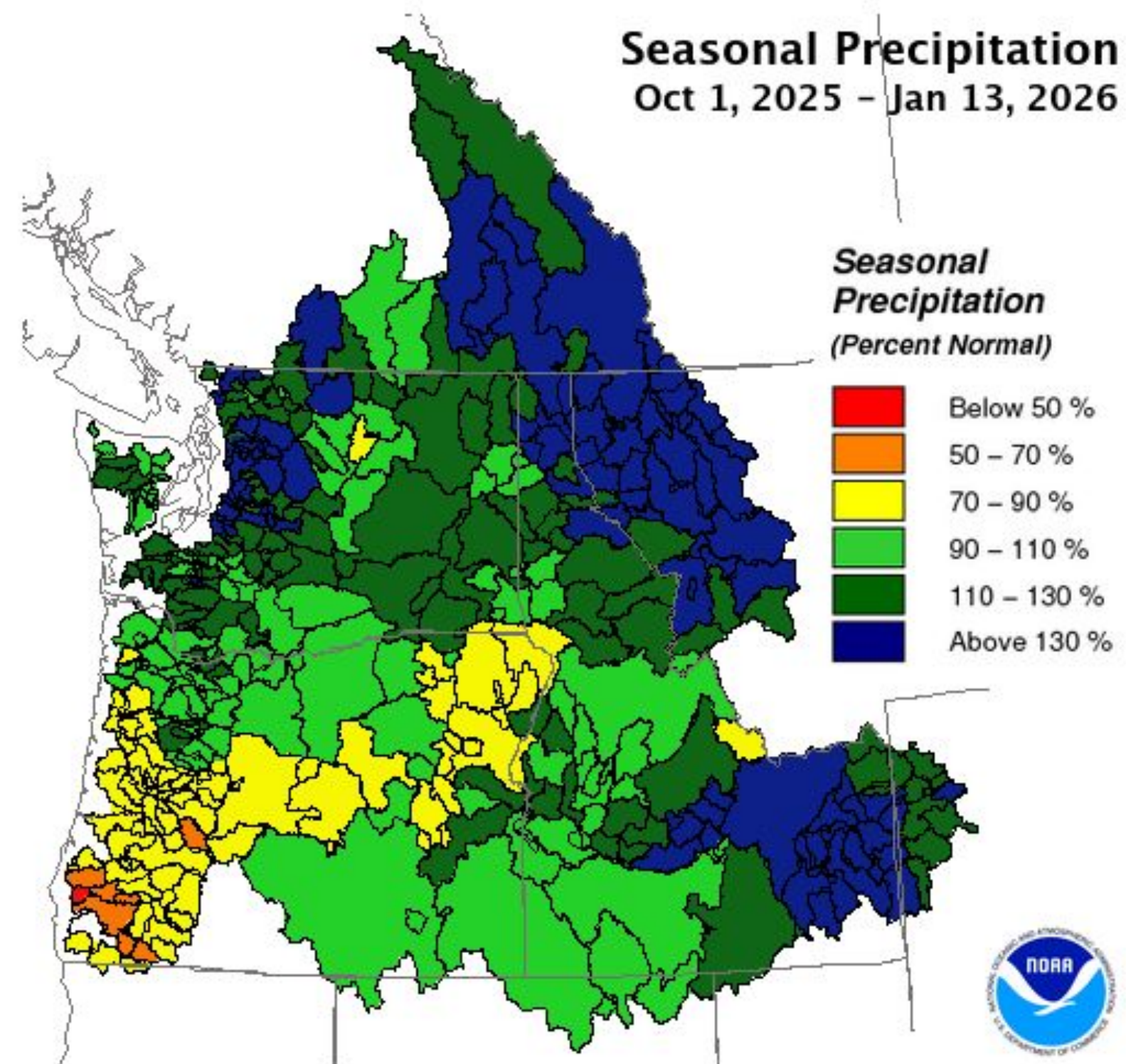
Temperature & Precipitation Comparison

Weather Forecast Office
Boise, ID
Thursday, January 15



Creation Time: Wednesday, Jan 22, 2025

Northwest River Forecast Center



Creation Time: Wednesday, Jan 14, 2026

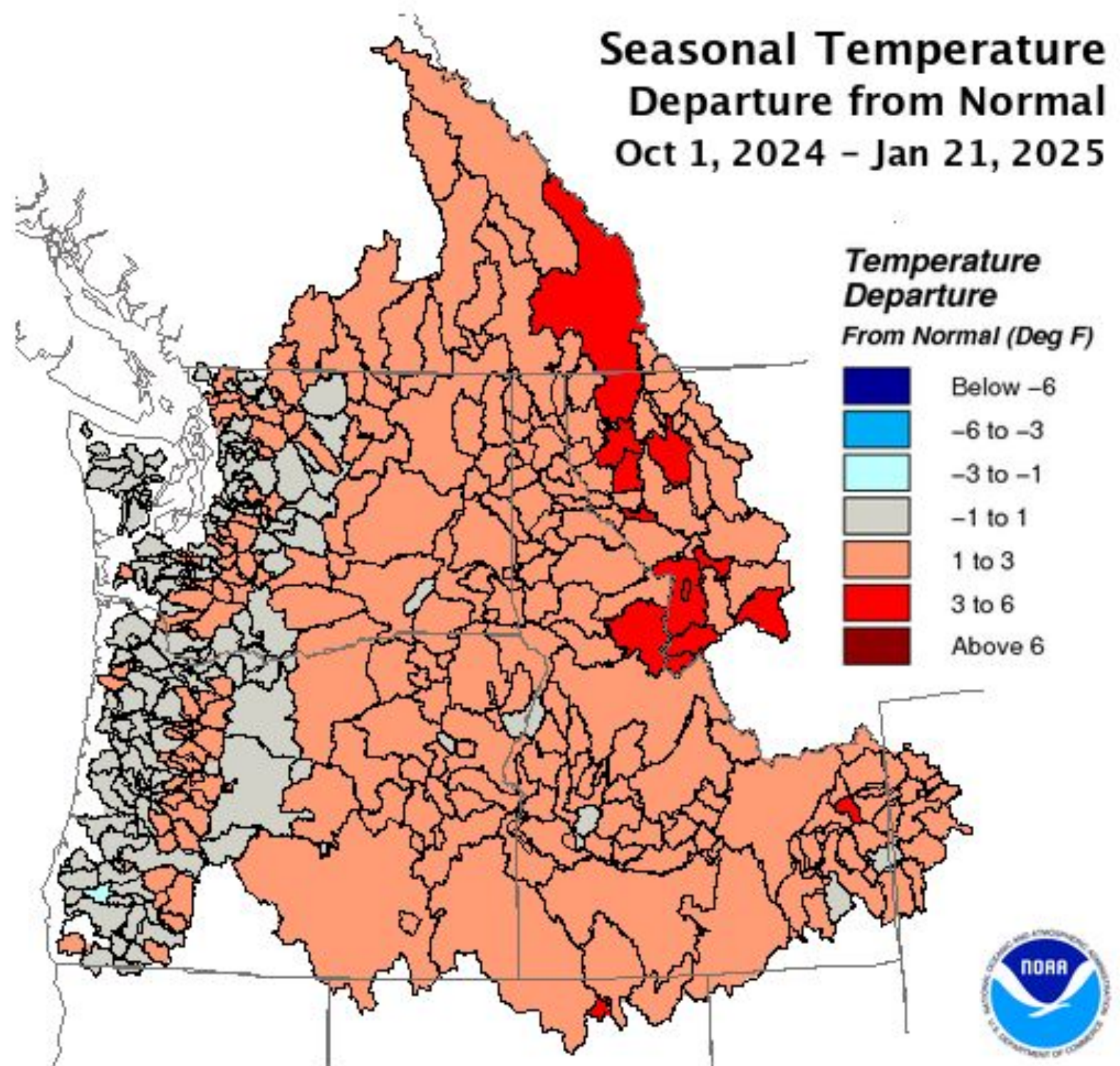
Northwest River Forecast Center





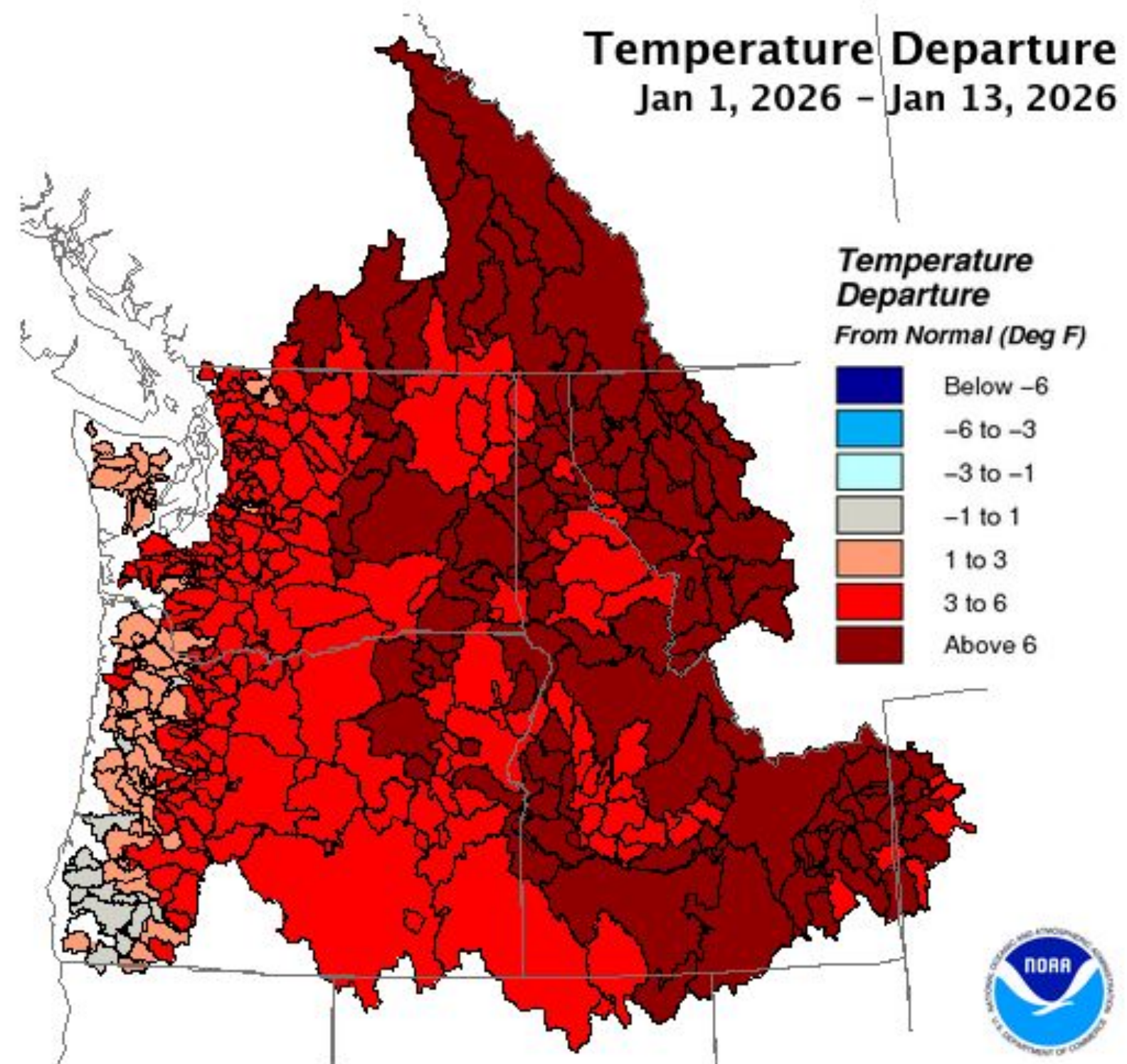
Temperature & Precipitation Comparison

Weather Forecast Office
Boise, ID
Thursday, January 15



Creation Time: Wednesday, Jan 22, 2025

Northwest River Forecast Center



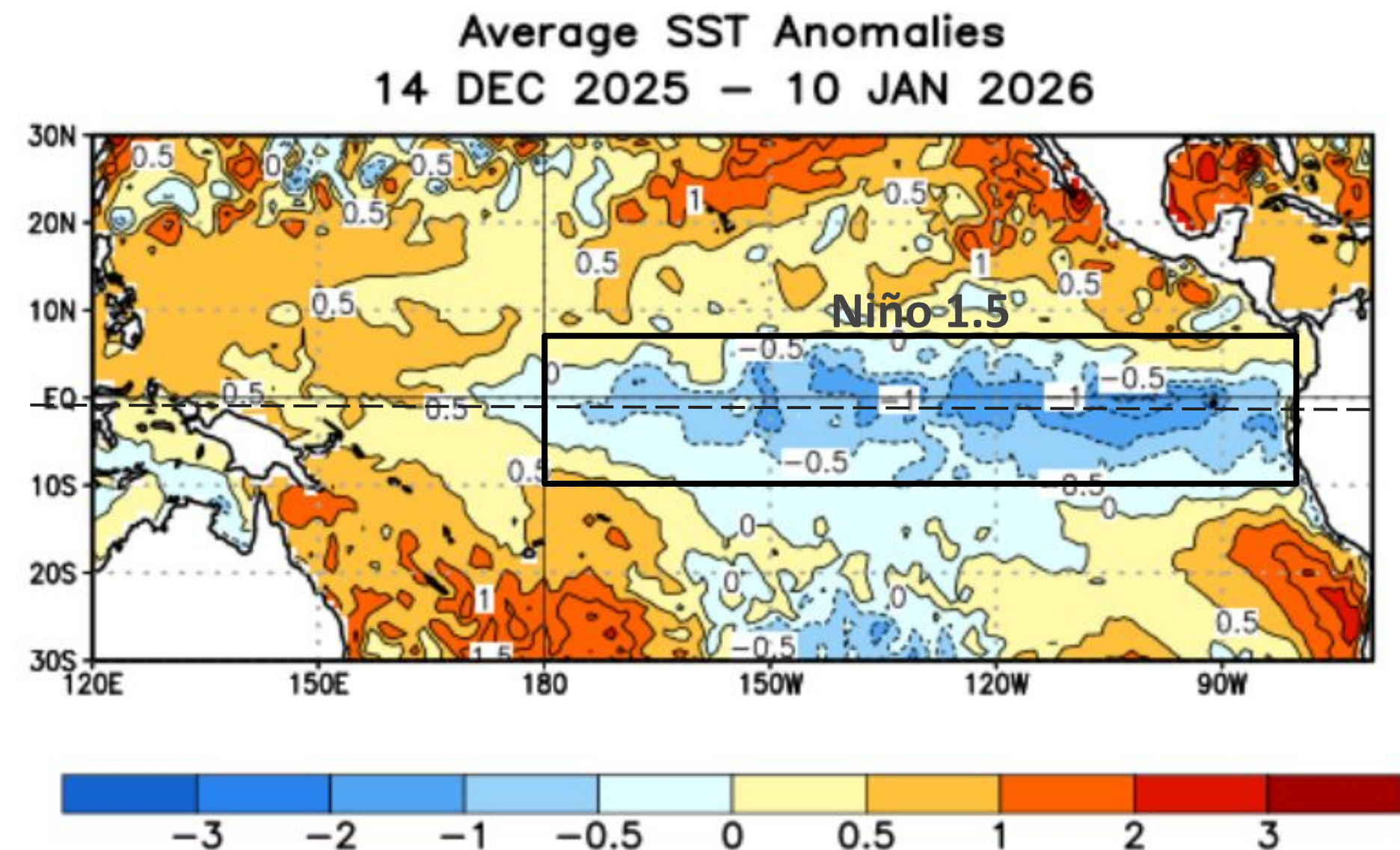
Creation Time: Wednesday, Jan 14, 2026

Northwest River Forecast Center

ENSO Summary

- ENSO Alert System Status: La Niña Advisory
- La Niña conditions are present
- Equatorial sea surface temperatures (SSTs) are below average in the central and east-central Pacific Ocean
- The tropical Pacific atmospheric anomalies are consistent with La Niña
- There is a 75% chance of a transition to ENSO-neutral during January-March 2026. ENSO-neutral is likely through at least Northern Hemisphere late spring 2026.

30-day Sea Surface Temperature (SST) Anomalies Jan 10, 2026



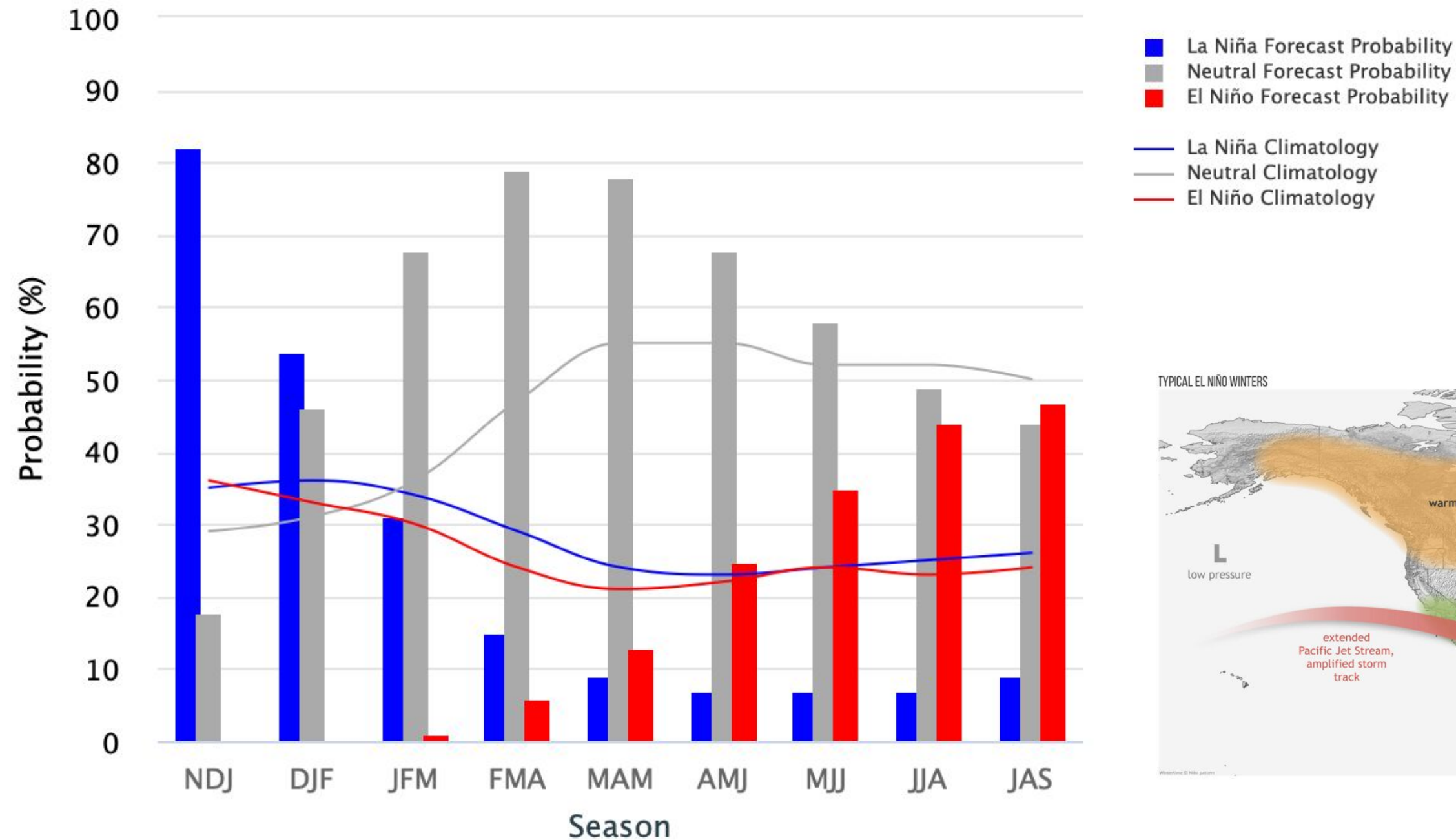


Probabilistic ENSO Forecast

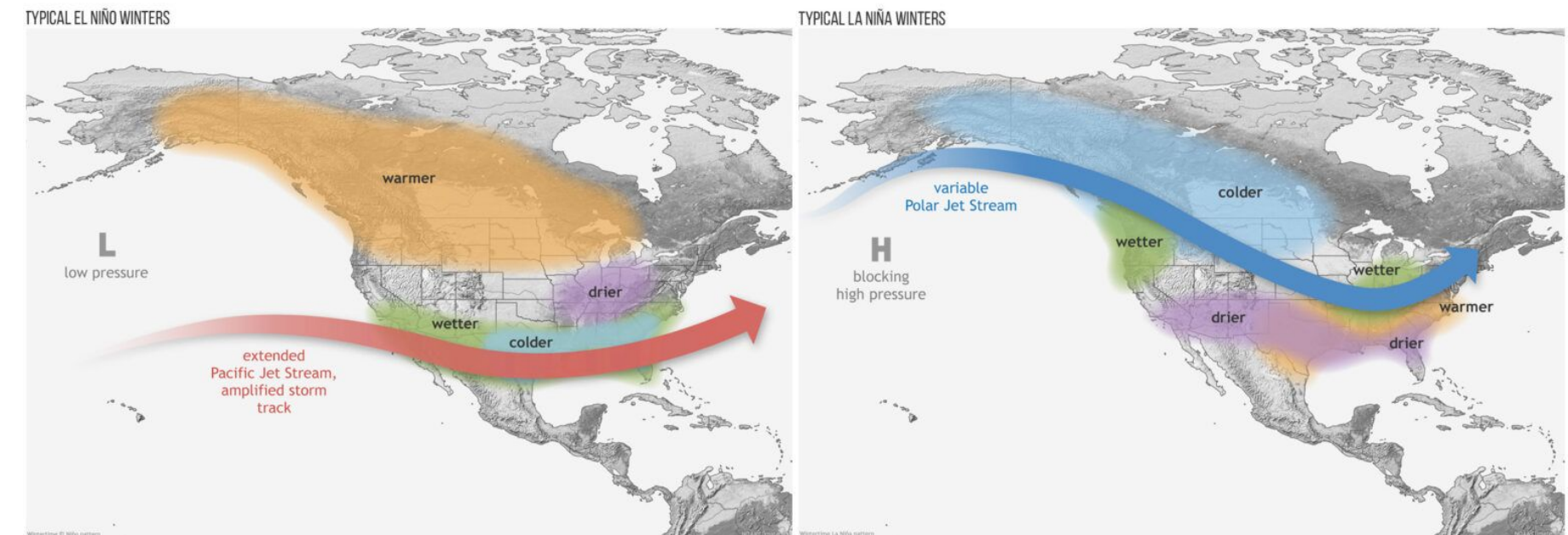
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Boise, ID
Thursday, January 15

Official NOAA CPC ENSO Probabilities (issued December 2025)

based on $-0.5^{\circ}\text{C}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



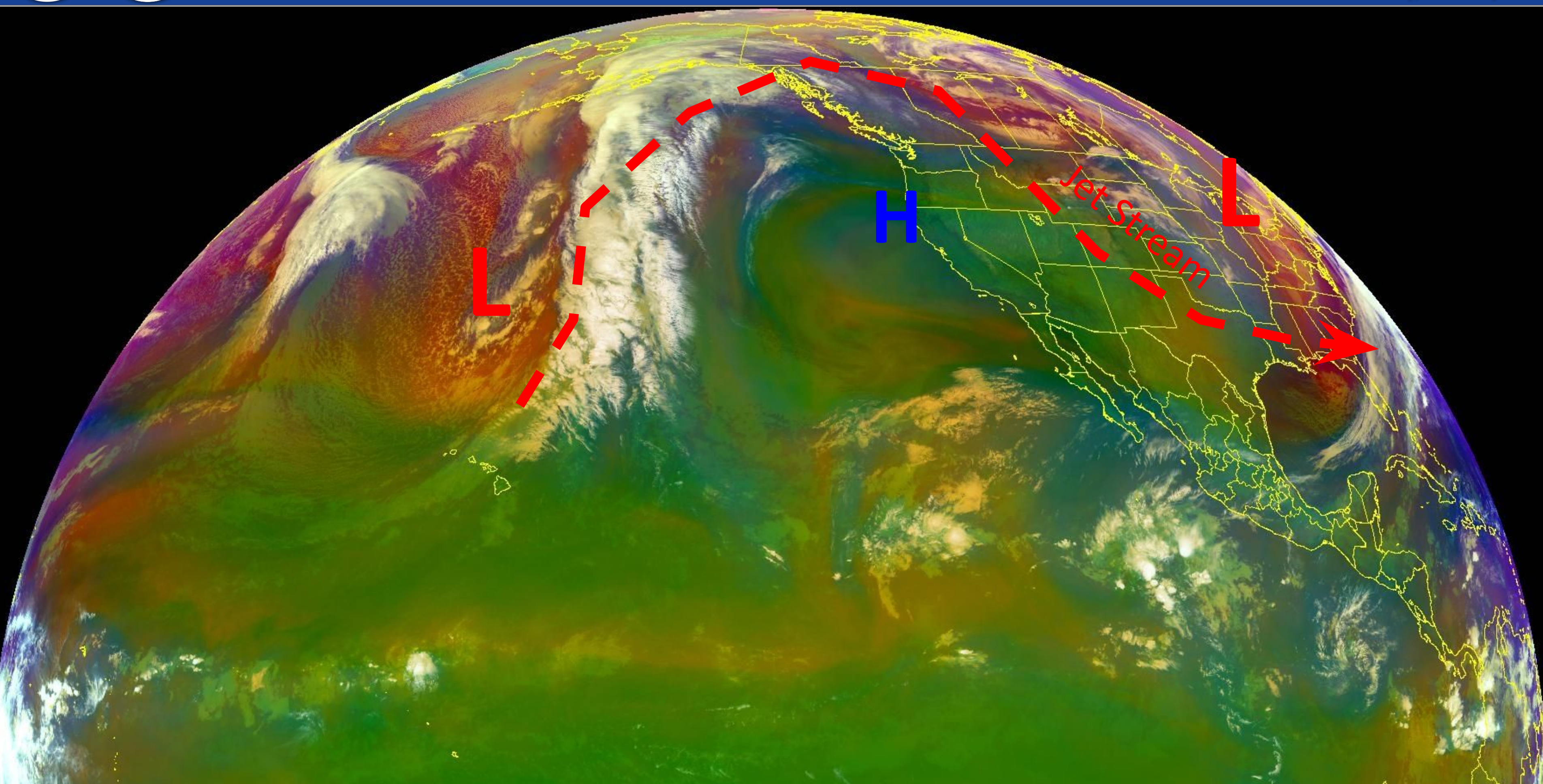
**75% Chance of ENSO-neutral
during February-April 2026**



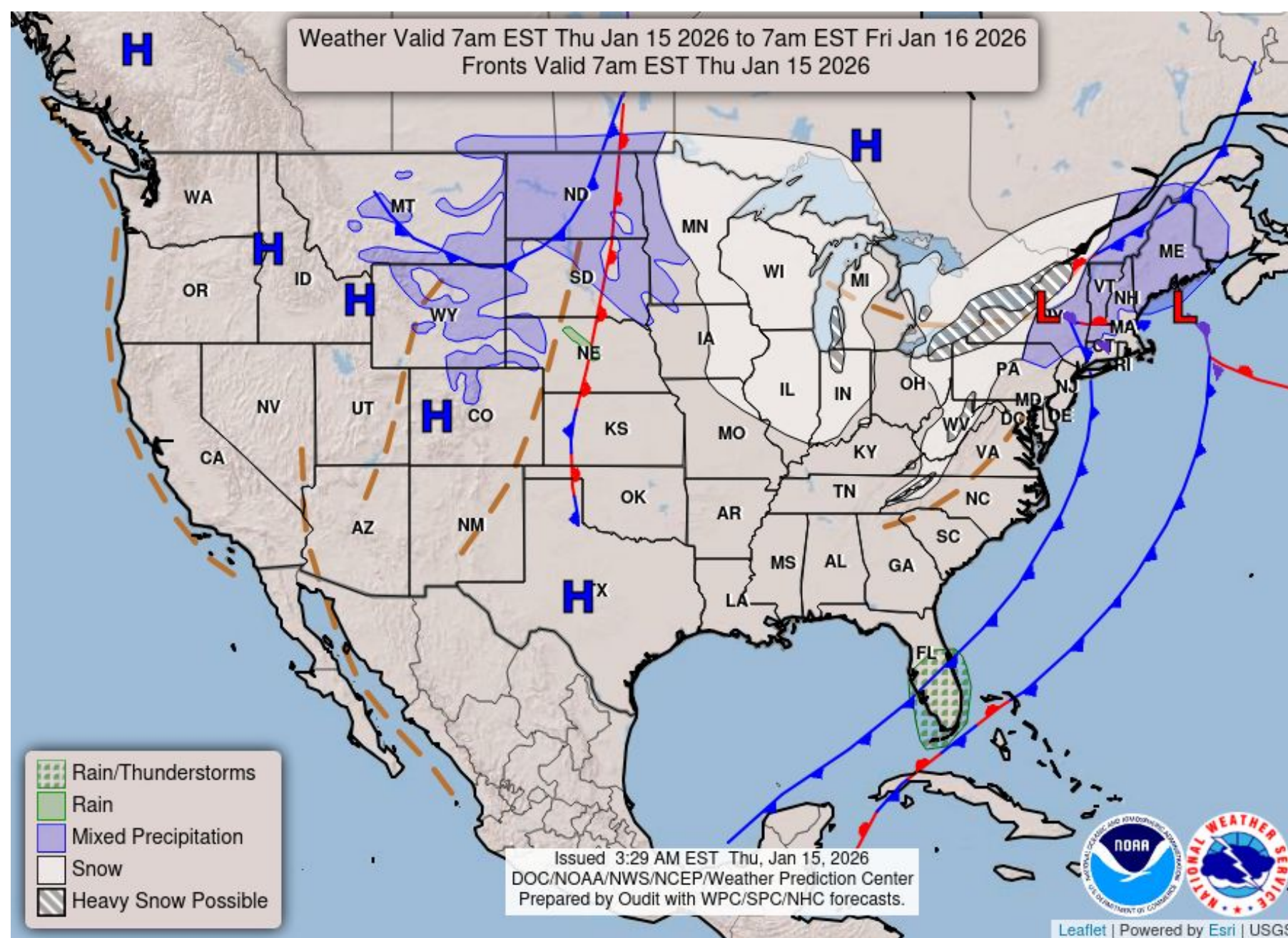


Satellite - North Pacific

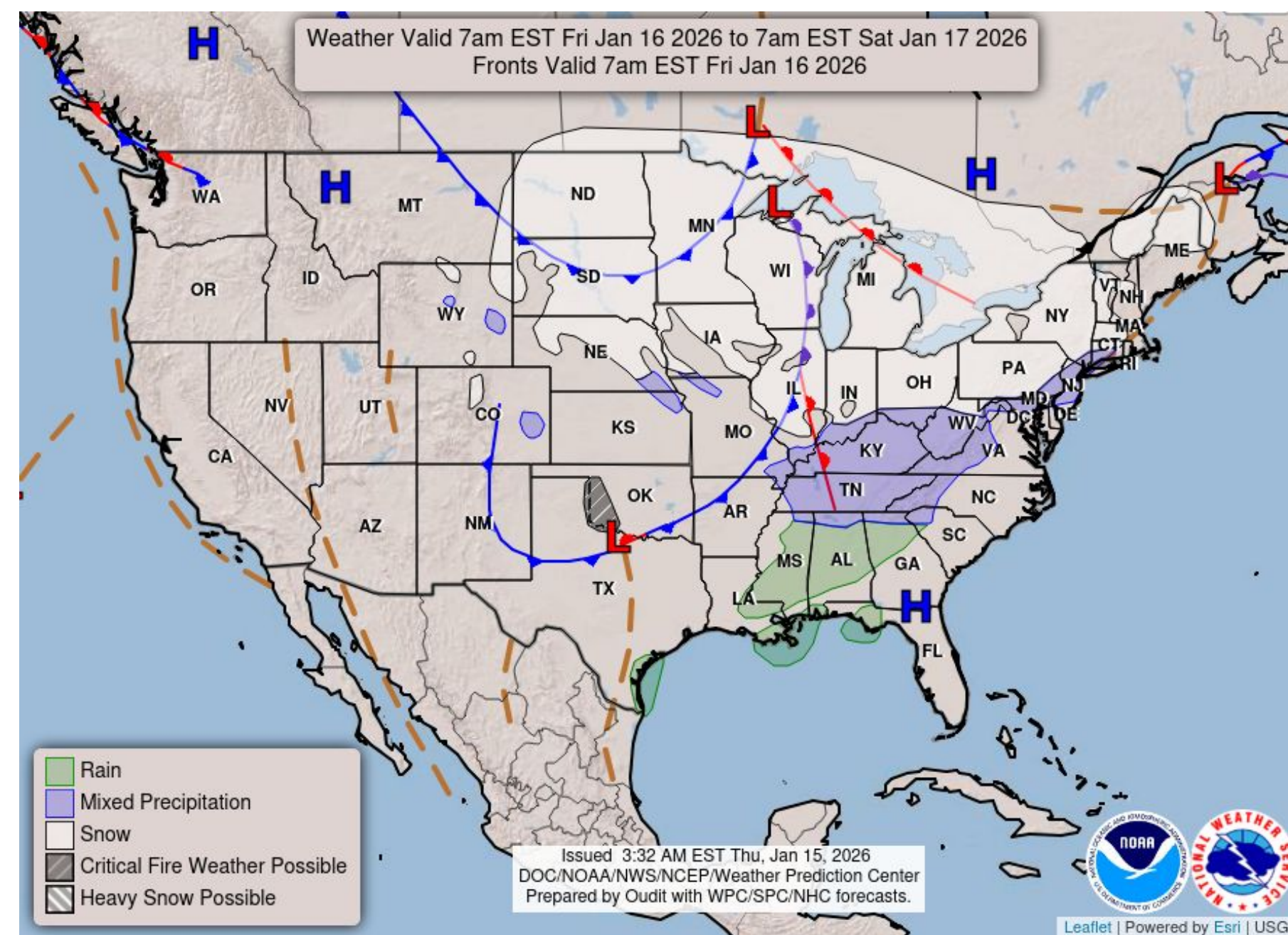
Weather Forecast Office
Boise, ID
Thursday, January 15



Thursday, January 15



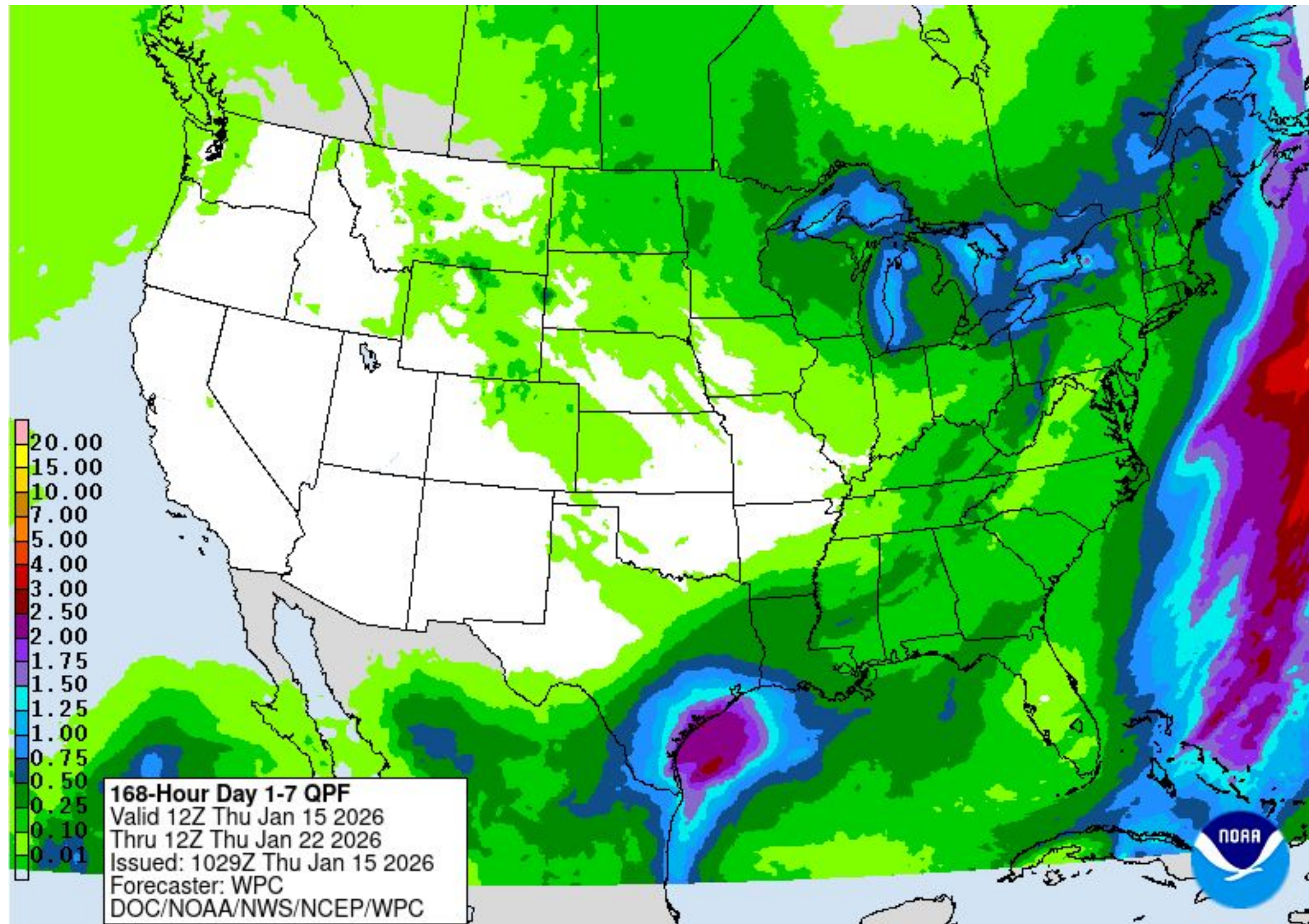
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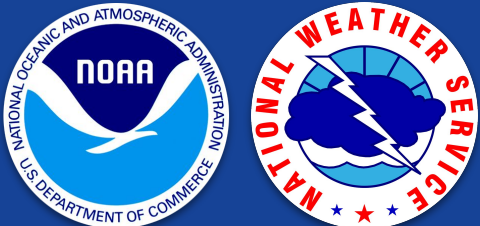


7-Day Precipitation Forecast

Weather Forecast Office
Boise, ID
Thursday, January 15



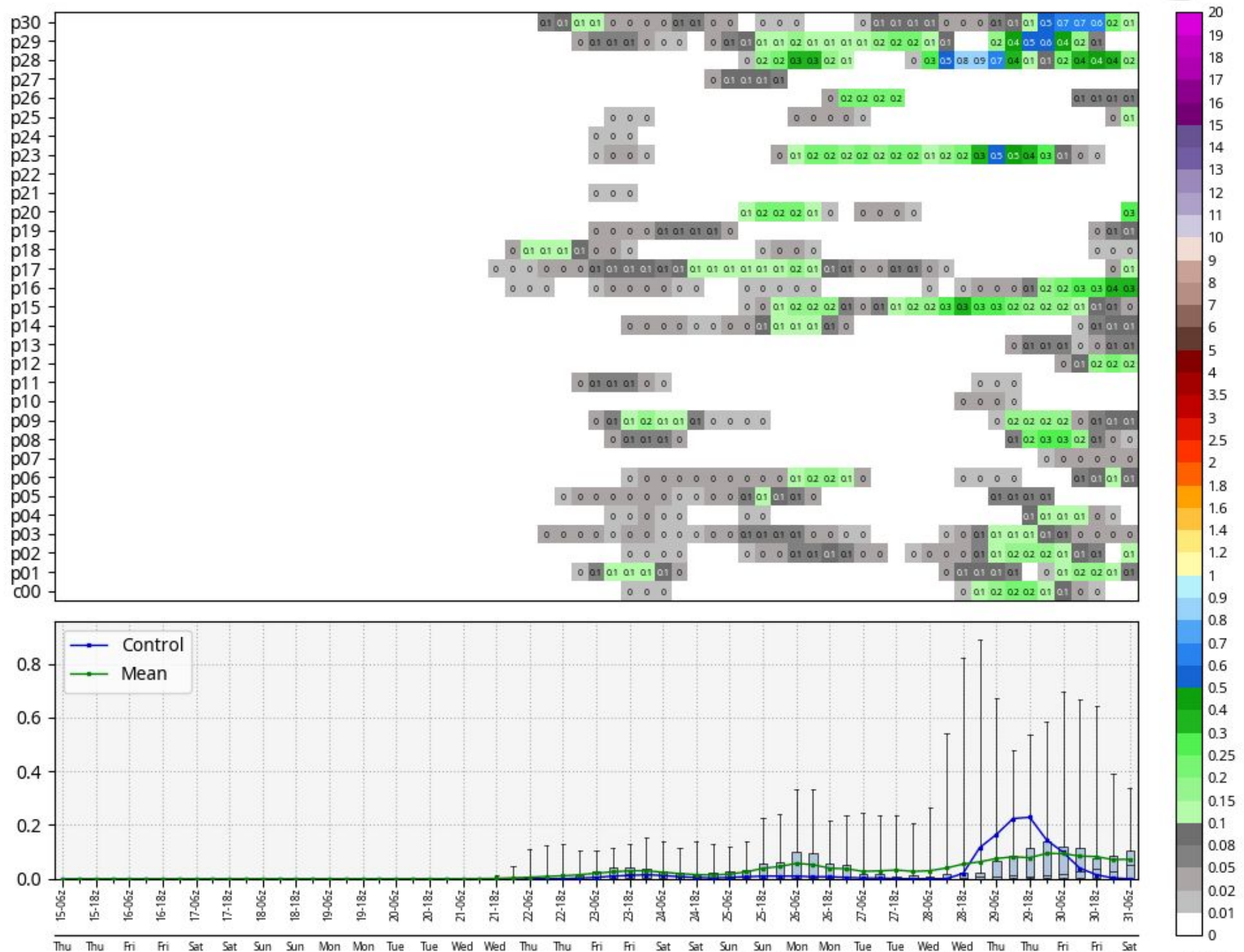
<https://www.wpc.ncep.noaa.gov/>



Forecast - GEFS Member 24-Hour QPF Boise

Weather Forecast Office
Boise, ID
Thursday, January 15

GEFS AI 0.25° Init 06z 15 Jan 2026 • 24-Hour QPF (Inches)
Boise Air Terminal/Gowen field • KBOI [43.5644°N, 116.223°W, 2871ft elev]



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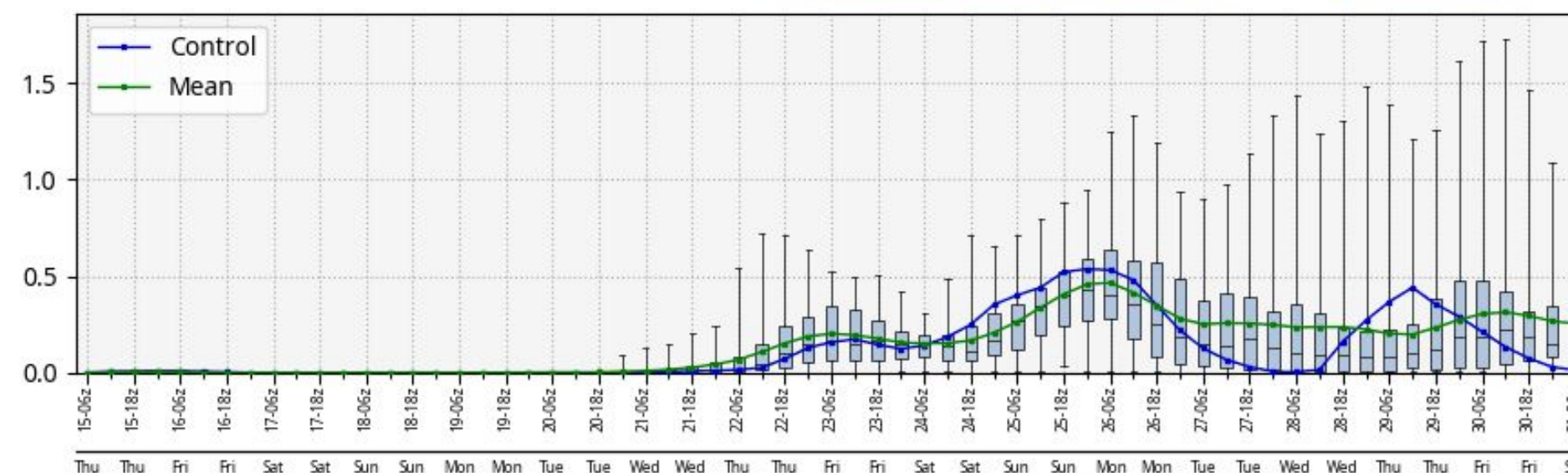
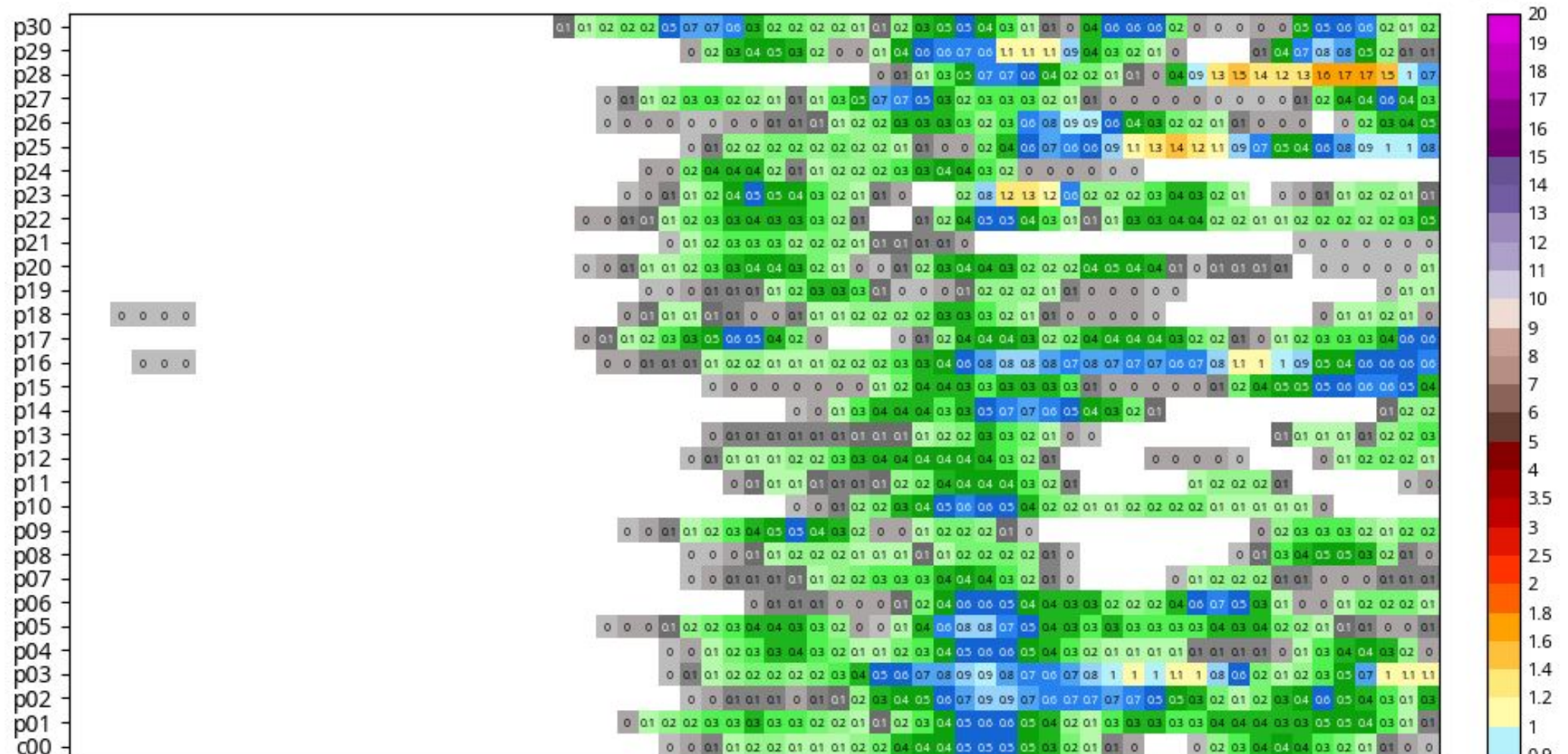


Forecast - GEFS Member 24-Hour QPF CDA

Weather Forecast Office
Boise, ID
Thursday, January 15

GEFS AI 0.25° Init 06z 15 Jan 2026 • 24-Hour QPF (Inches)

Coeur D'Alene - Pappy Boyington Field • KCOE [47.7743°N, 116.82°W, 2320ft elev]



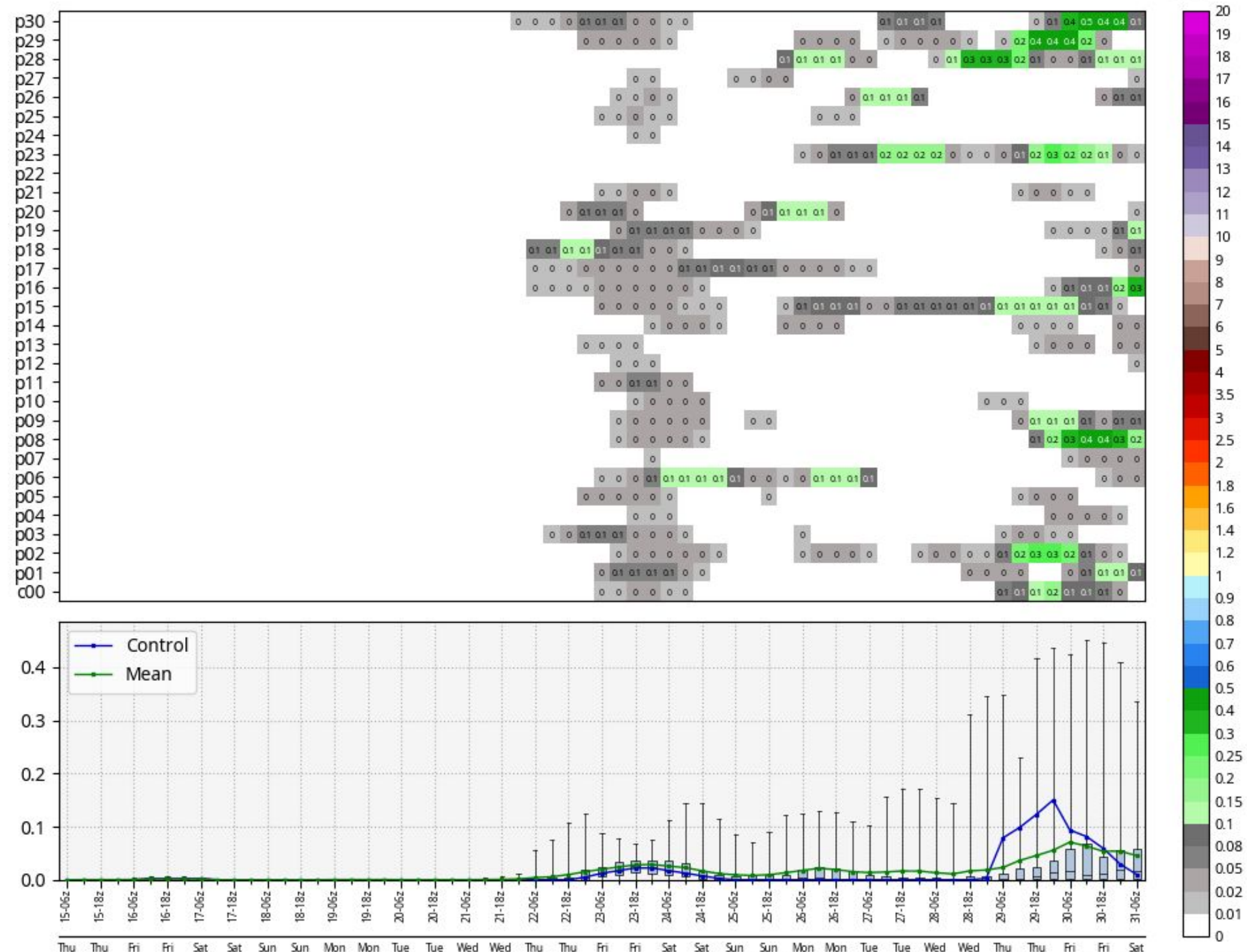
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Forecast - GEFS Member 24-Hour QPF Pocatello

Weather Forecast Office
Boise, ID
Thursday, January 15

GEFS AI 0.25° Init 06z 15 Jan 2026 • 24-Hour QPF (Inches)
Pocatello Regional Airport • KPIH [42.9098°N, 112.596°W, 4452ft elev]



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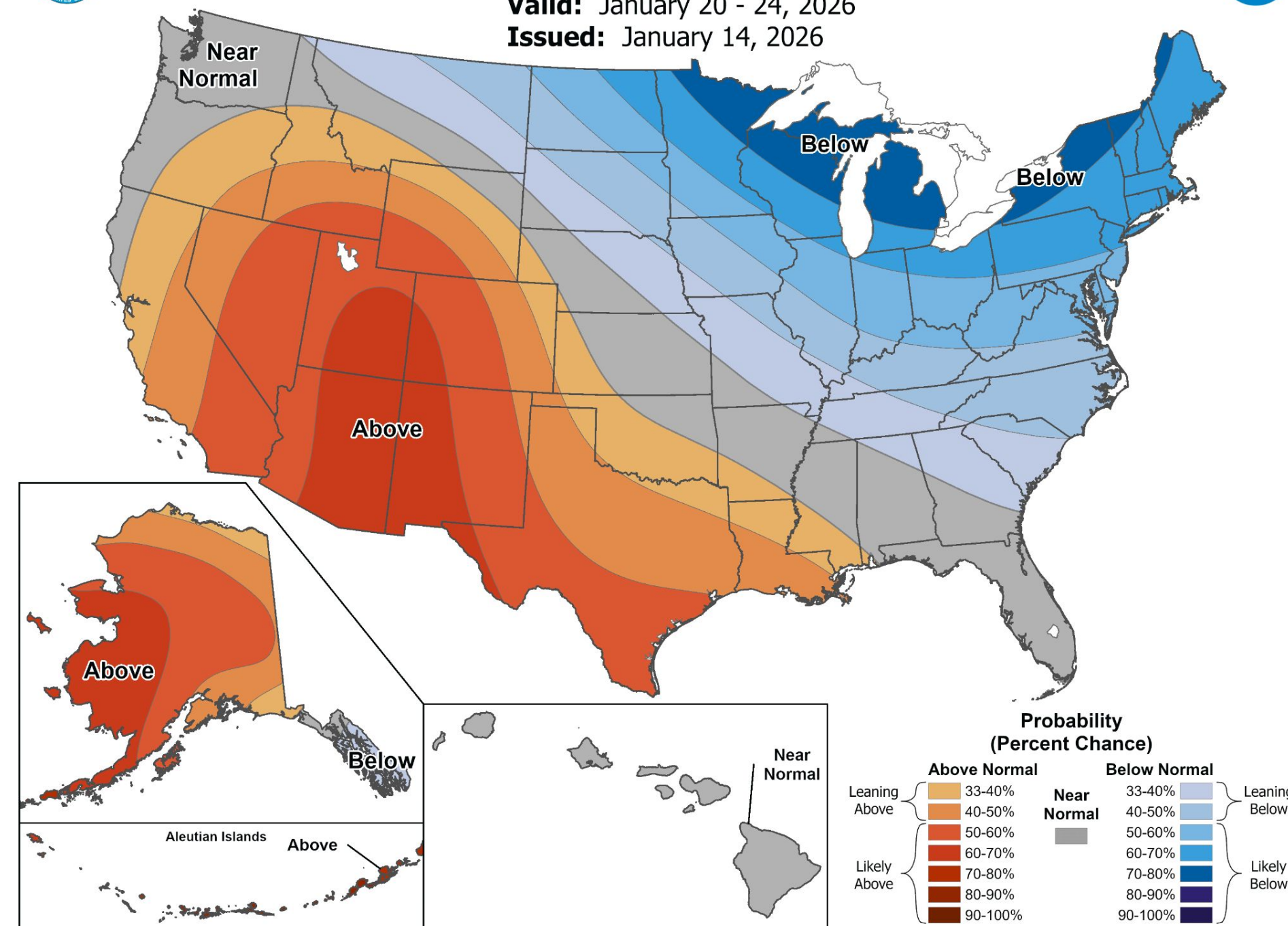
6-10 Day Outlook

Weather Forecast Office
Boise, ID
Thursday, January 15



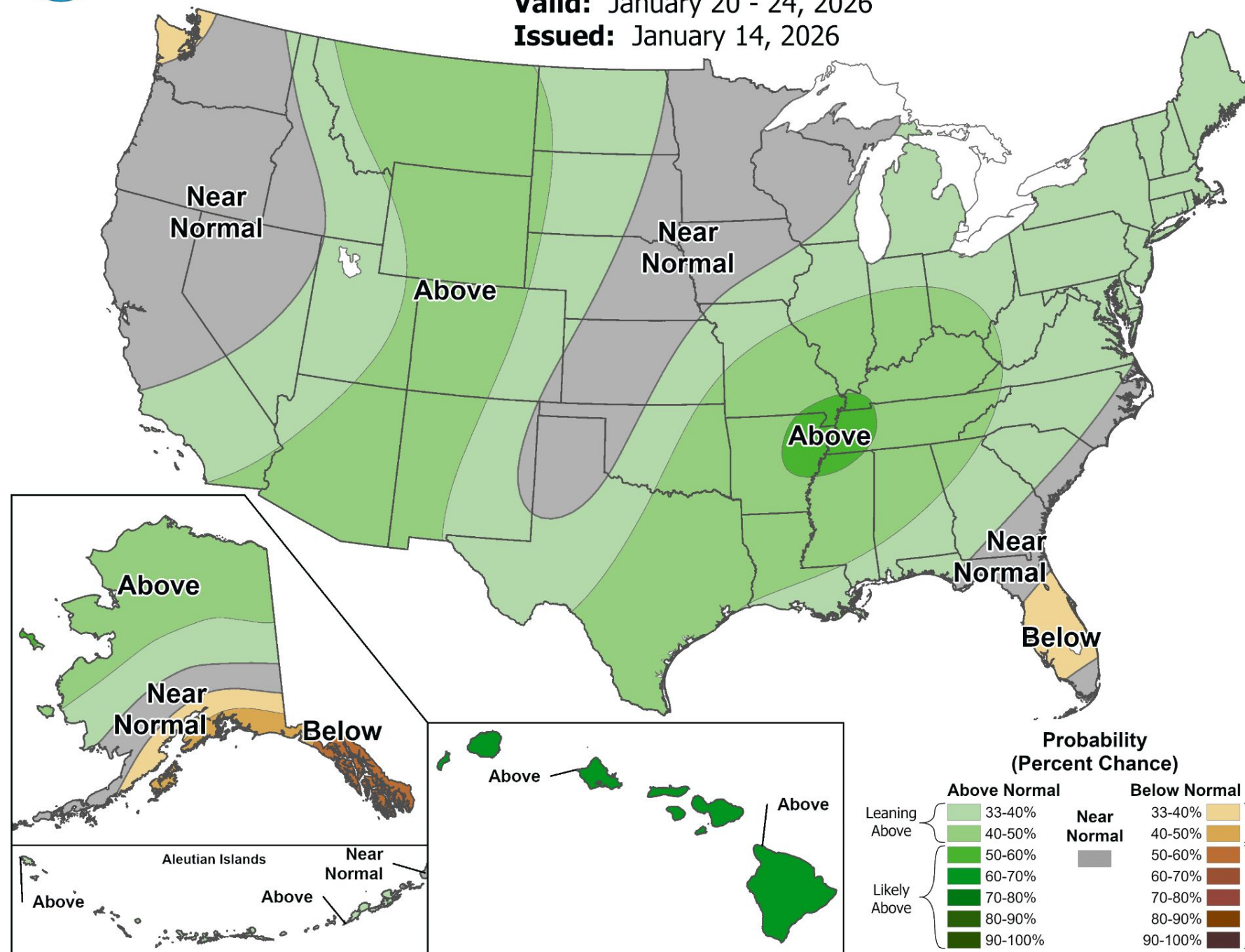
6-10 Day Temperature Outlook

Valid: January 20 - 24, 2026
Issued: January 14, 2026



6-10 Day Precipitation Outlook

Valid: January 20 - 24, 2026
Issued: January 14, 2026





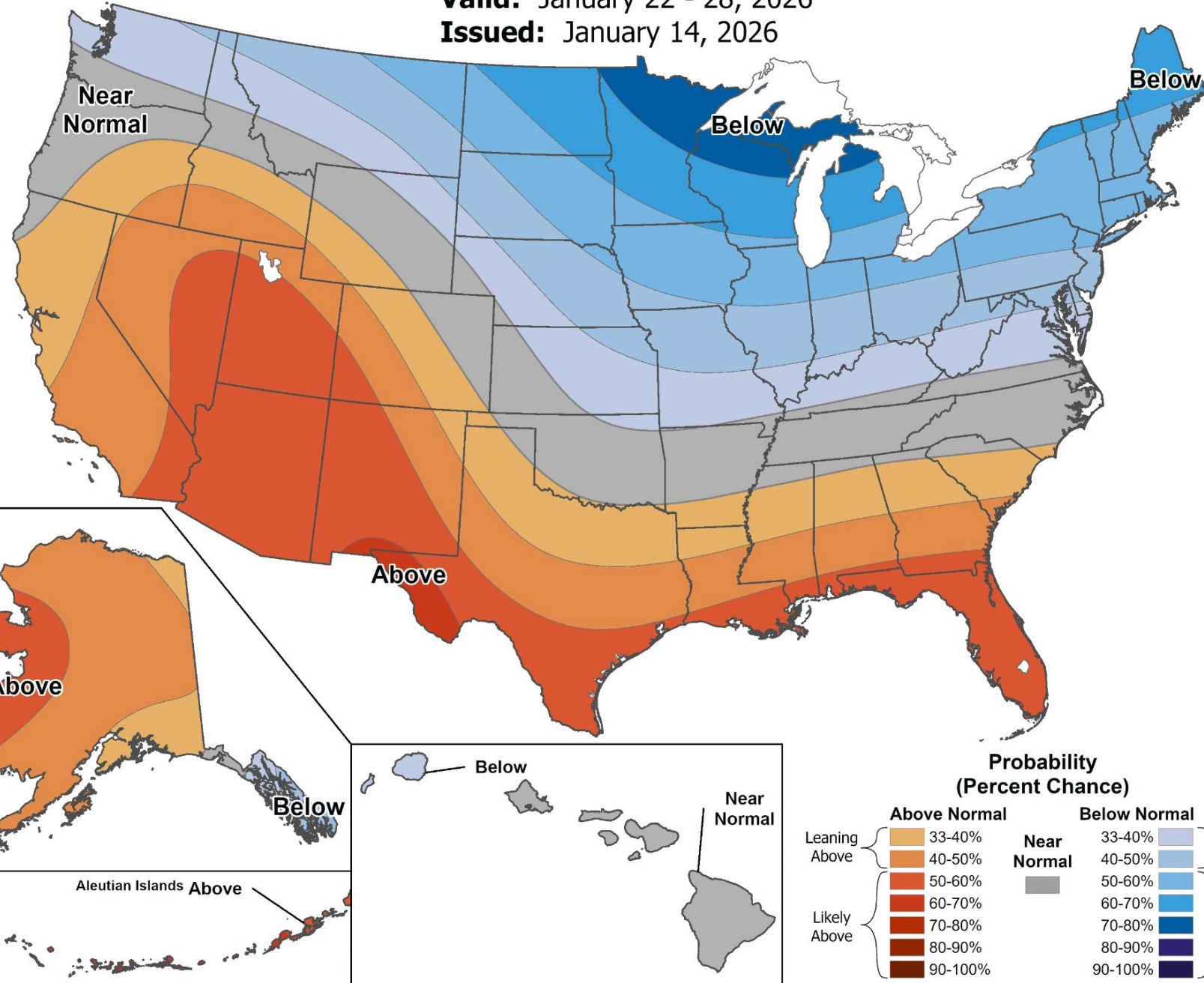
8-14 Day Outlook

Weather Forecast Office
Boise, ID
Thursday, January 15



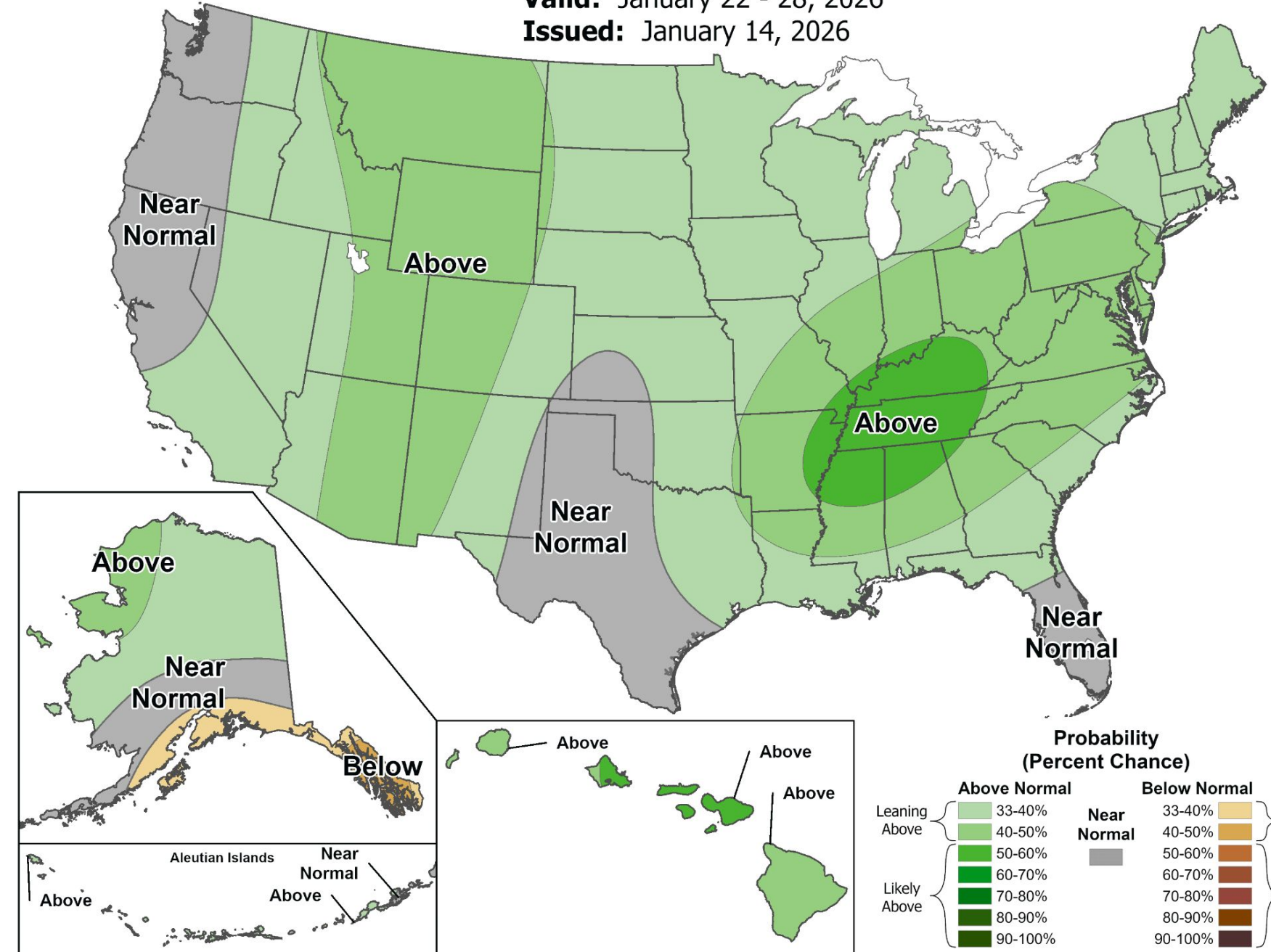
8-14 Day Temperature Outlook

Valid: January 22 - 28, 2026
Issued: January 14, 2026



8-14 Day Precipitation Outlook

Valid: January 22 - 28, 2026
Issued: January 14, 2026





3-Month Outlook LAST YEAR (Feb-Mar-Apr)

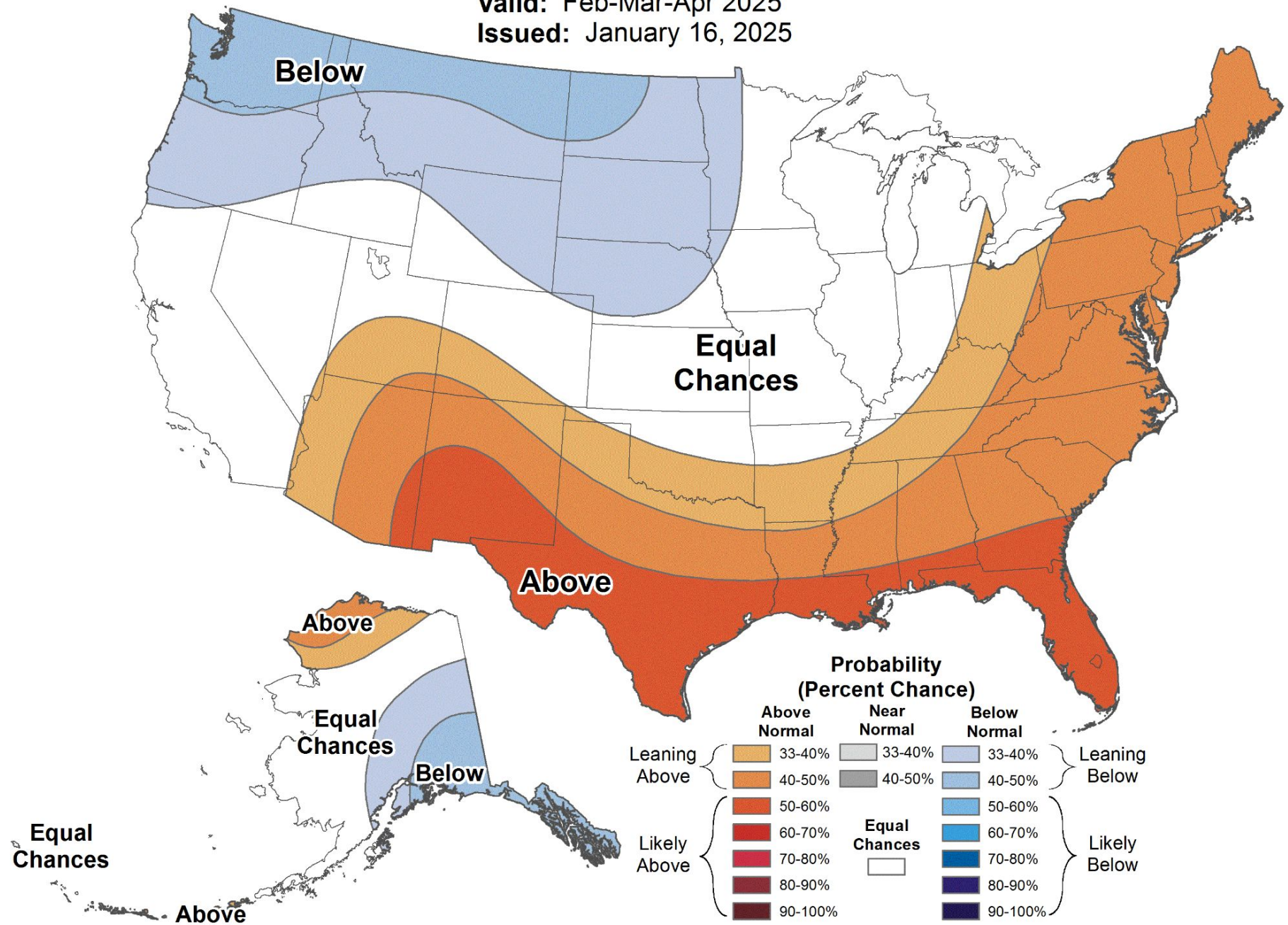
Weather Forecast Office
Boise, ID
Thursday, January 15



Seasonal Temperature Outlook



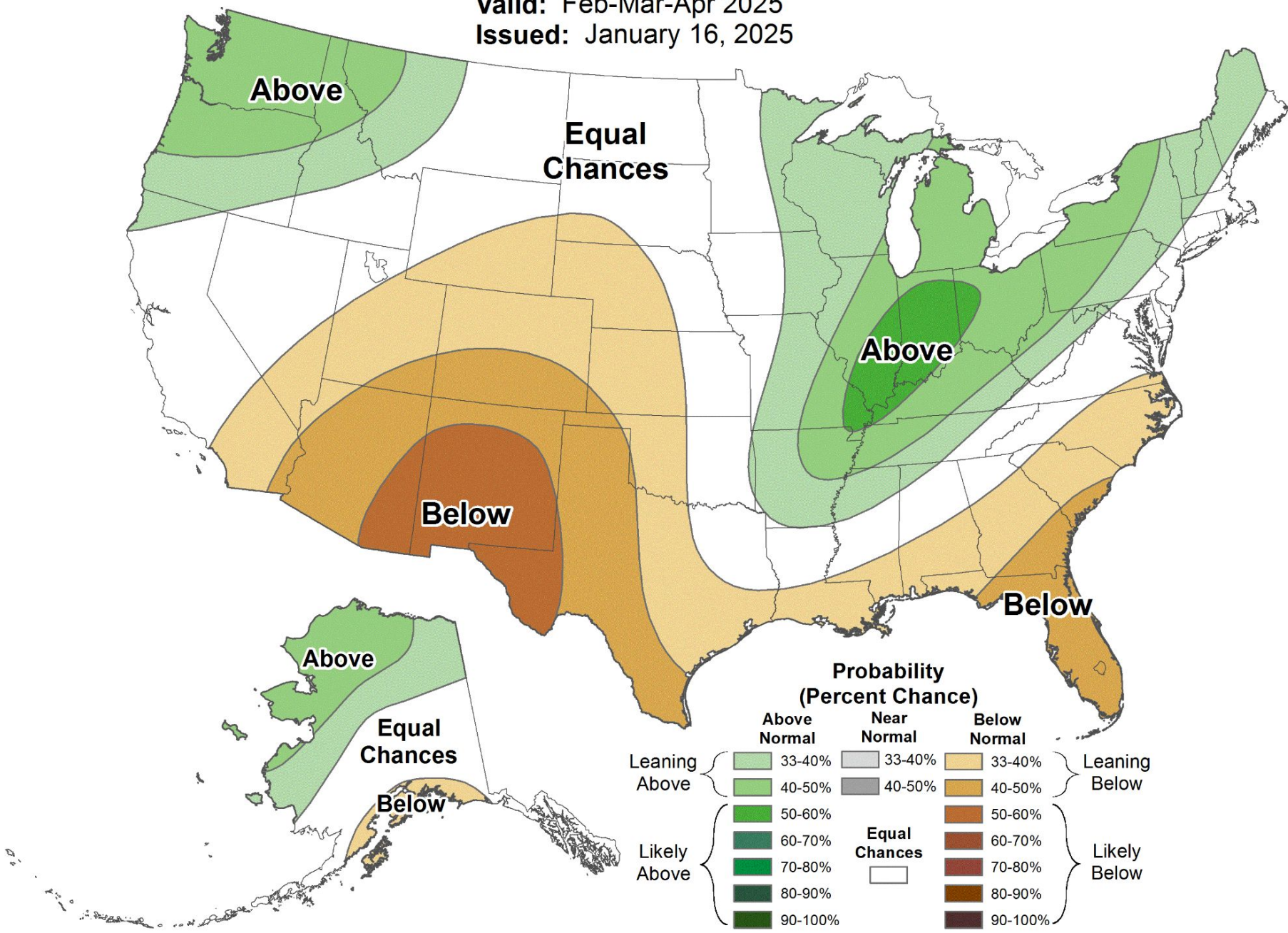
Valid: Feb-Mar-Apr 2025
Issued: January 16, 2025



Seasonal Precipitation Outlook



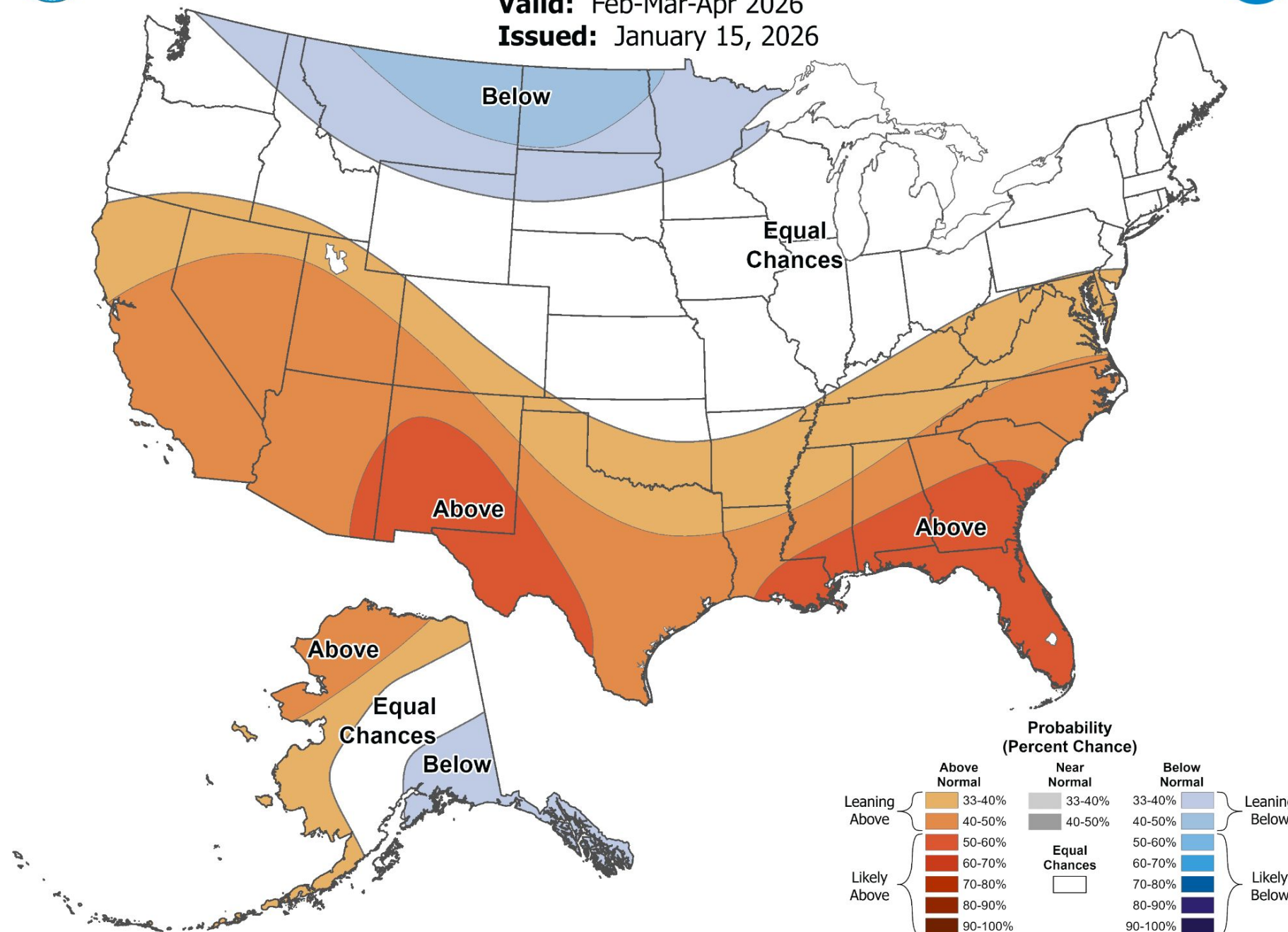
Valid: Feb-Mar-Apr 2025
Issued: January 16, 2025





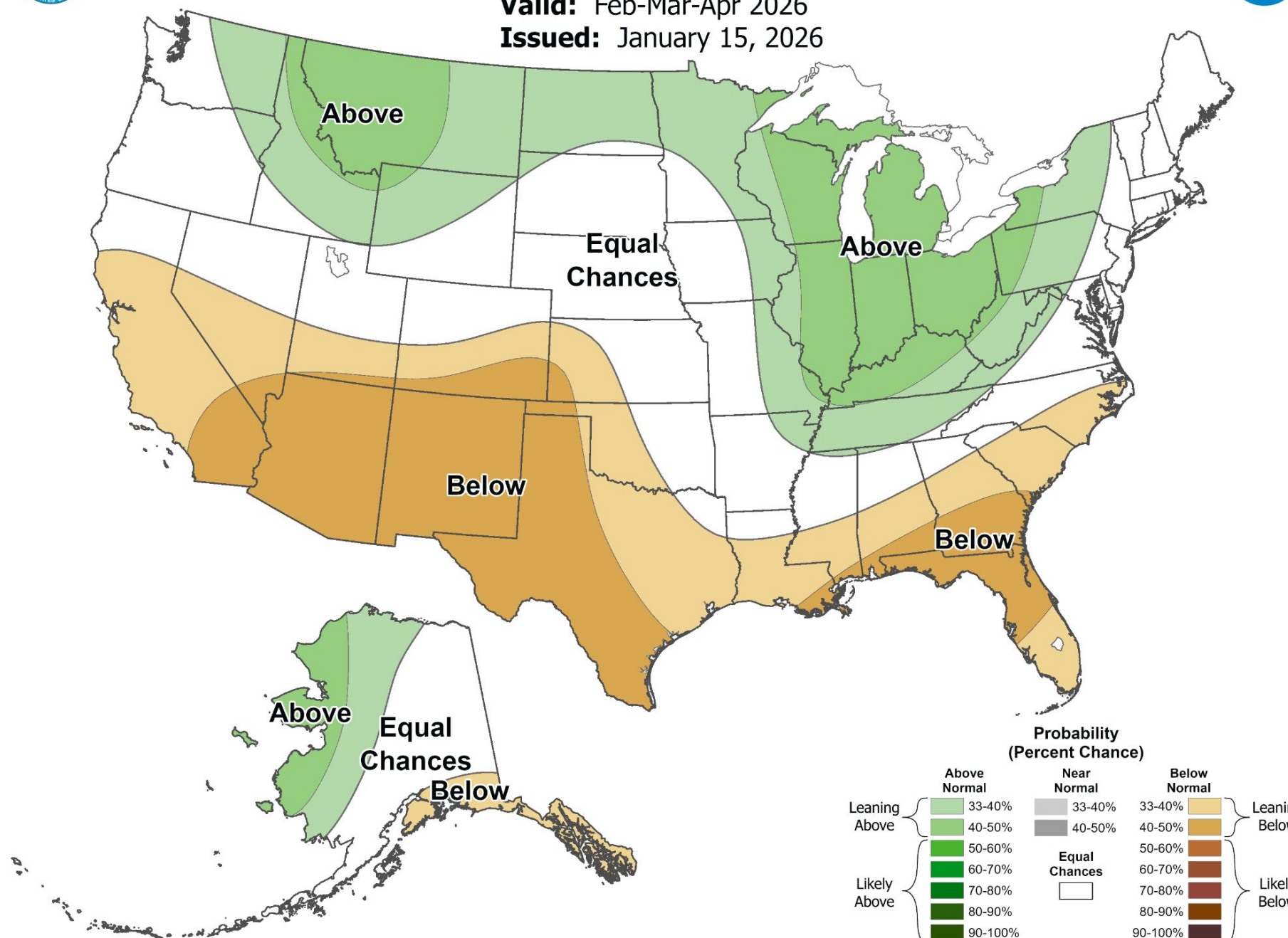
Seasonal Temperature Outlook

Valid: Feb-Mar-Apr 2026
Issued: January 15, 2026



Seasonal Precipitation Outlook

Valid: Feb-Mar-Apr 2026
Issued: January 15, 2026





3-Month Outlook LAST YEAR (Mar-Apr-May)

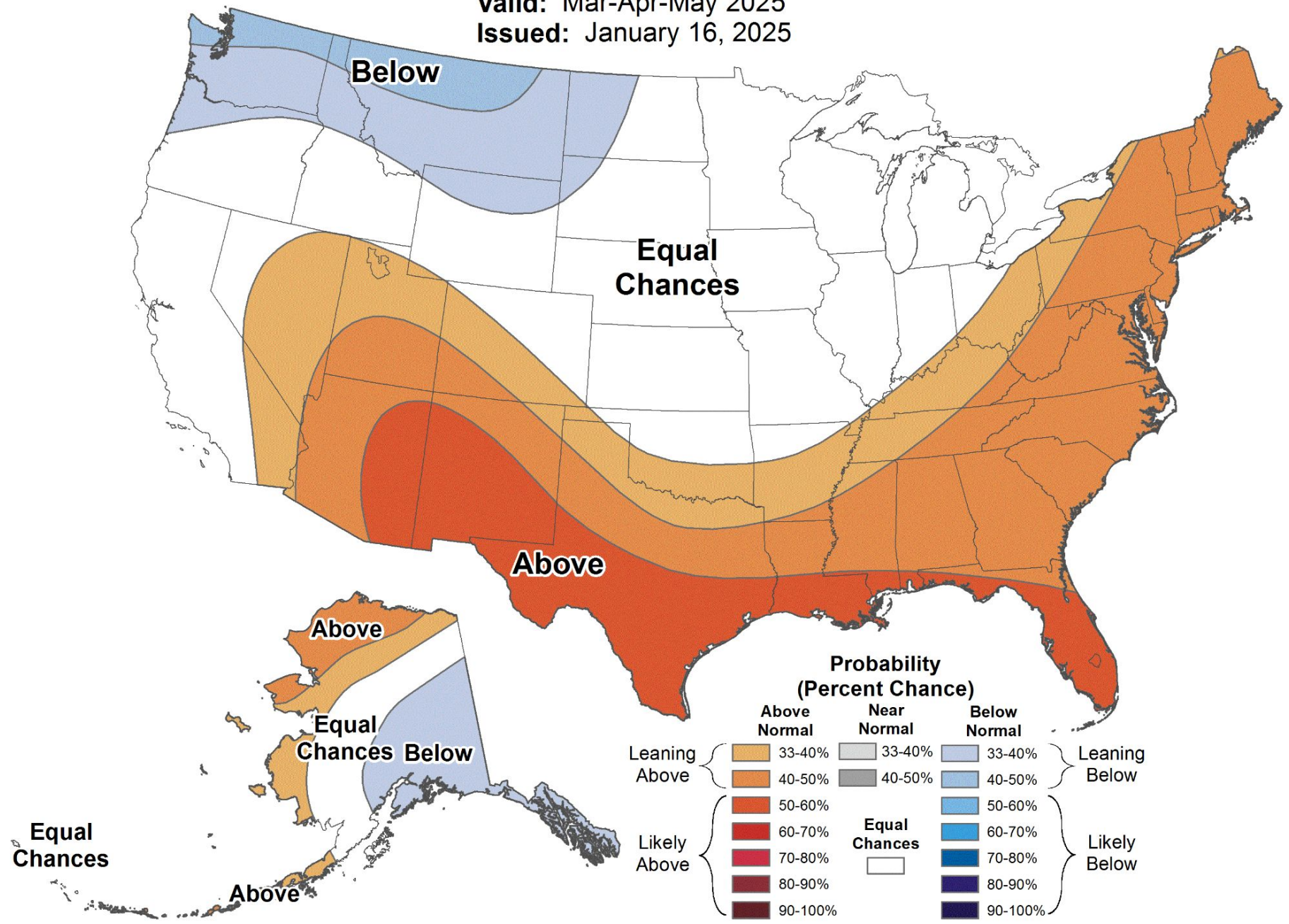
Weather Forecast Office
Boise, ID
Thursday, January 15



Seasonal Temperature Outlook



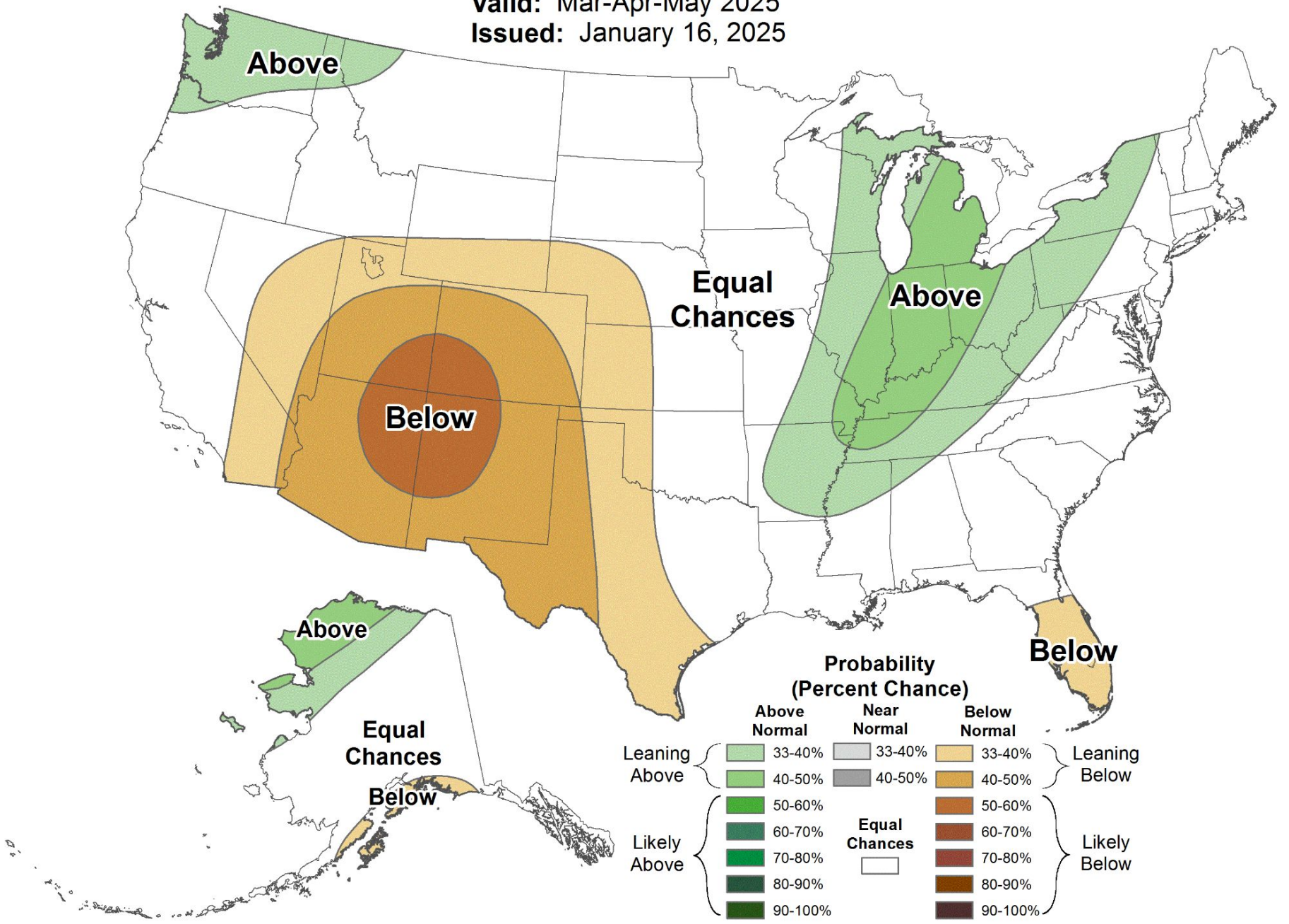
Valid: Mar-Apr-May 2025
Issued: January 16, 2025



Seasonal Precipitation Outlook

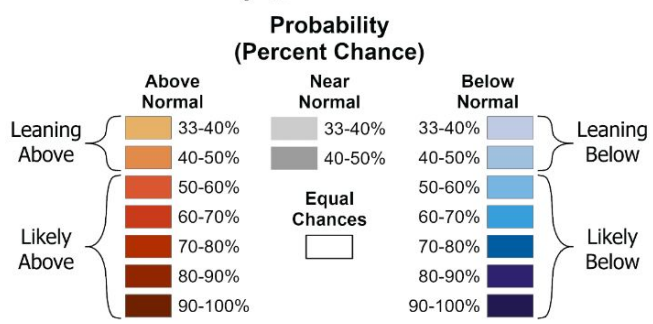
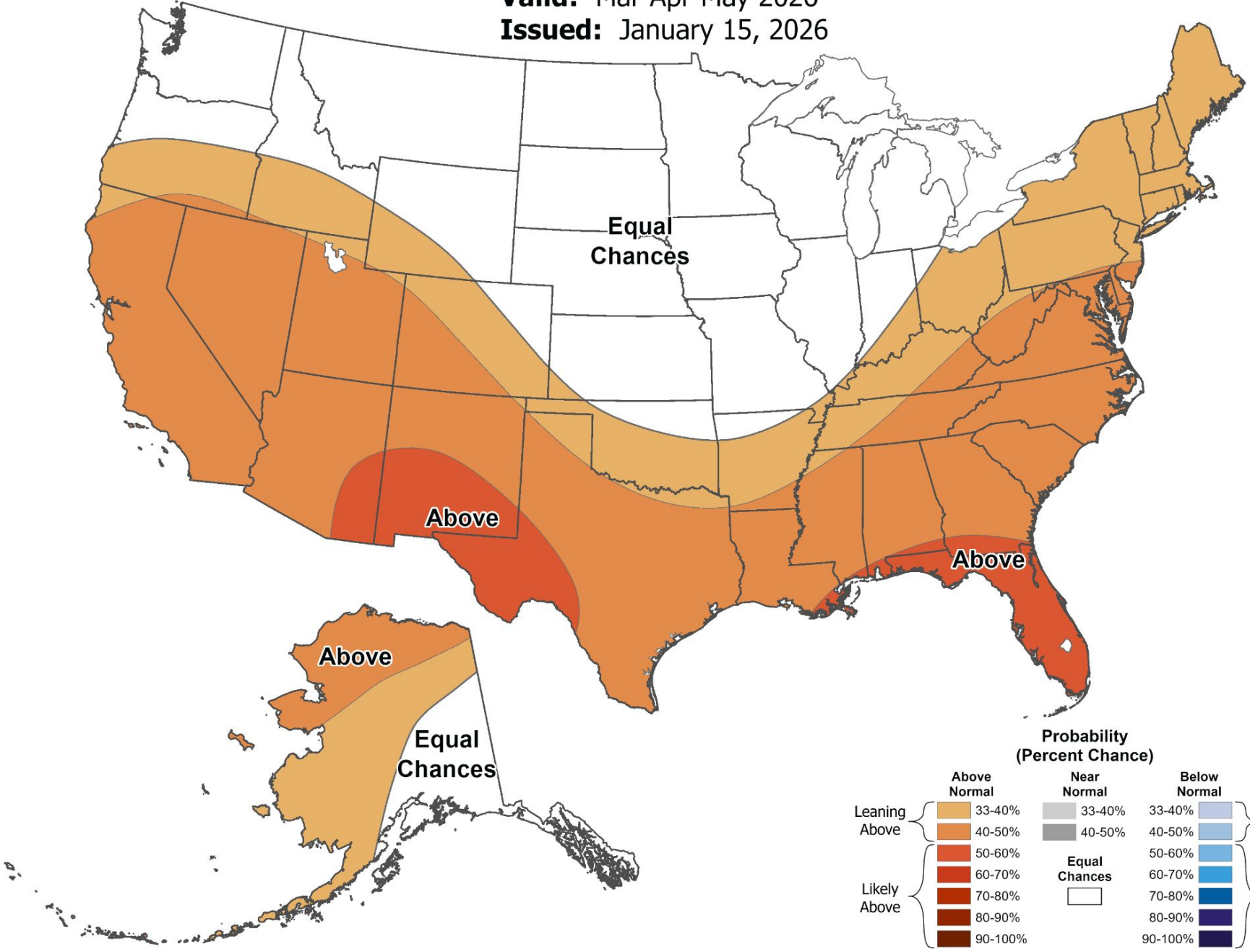


Valid: Mar-Apr-May 2025
Issued: January 16, 2025



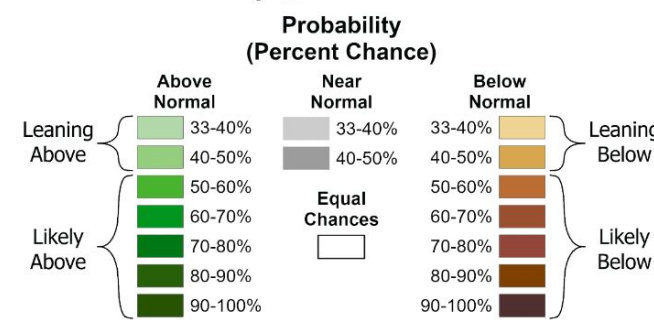
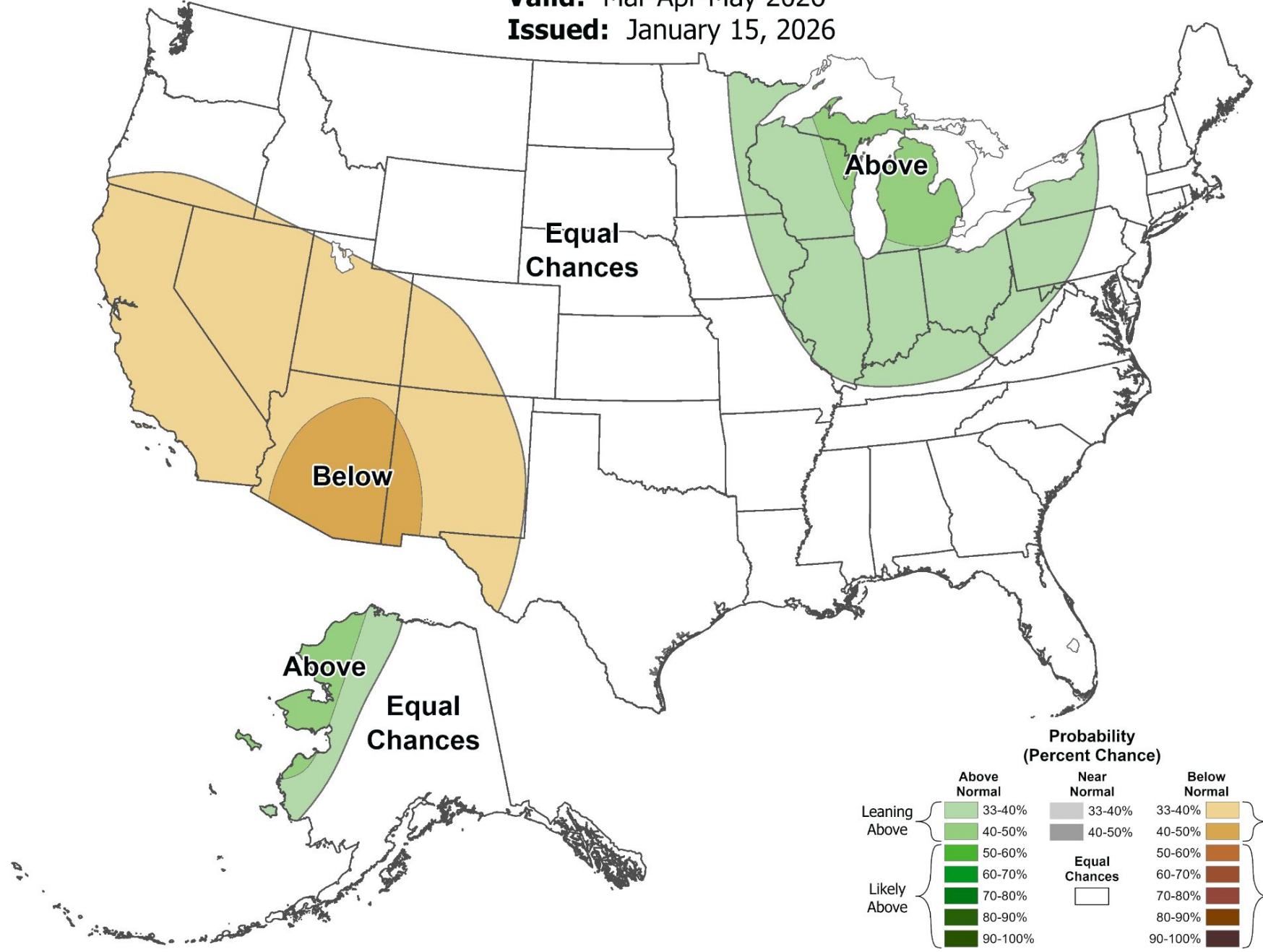
Seasonal Temperature Outlook

Valid: Mar-Apr-May 2026
Issued: January 15, 2026



Seasonal Precipitation Outlook

Valid: Mar-Apr-May 2026
Issued: January 15, 2026





3-Month Outlook LAST YEAR (May-Jun-Jul)

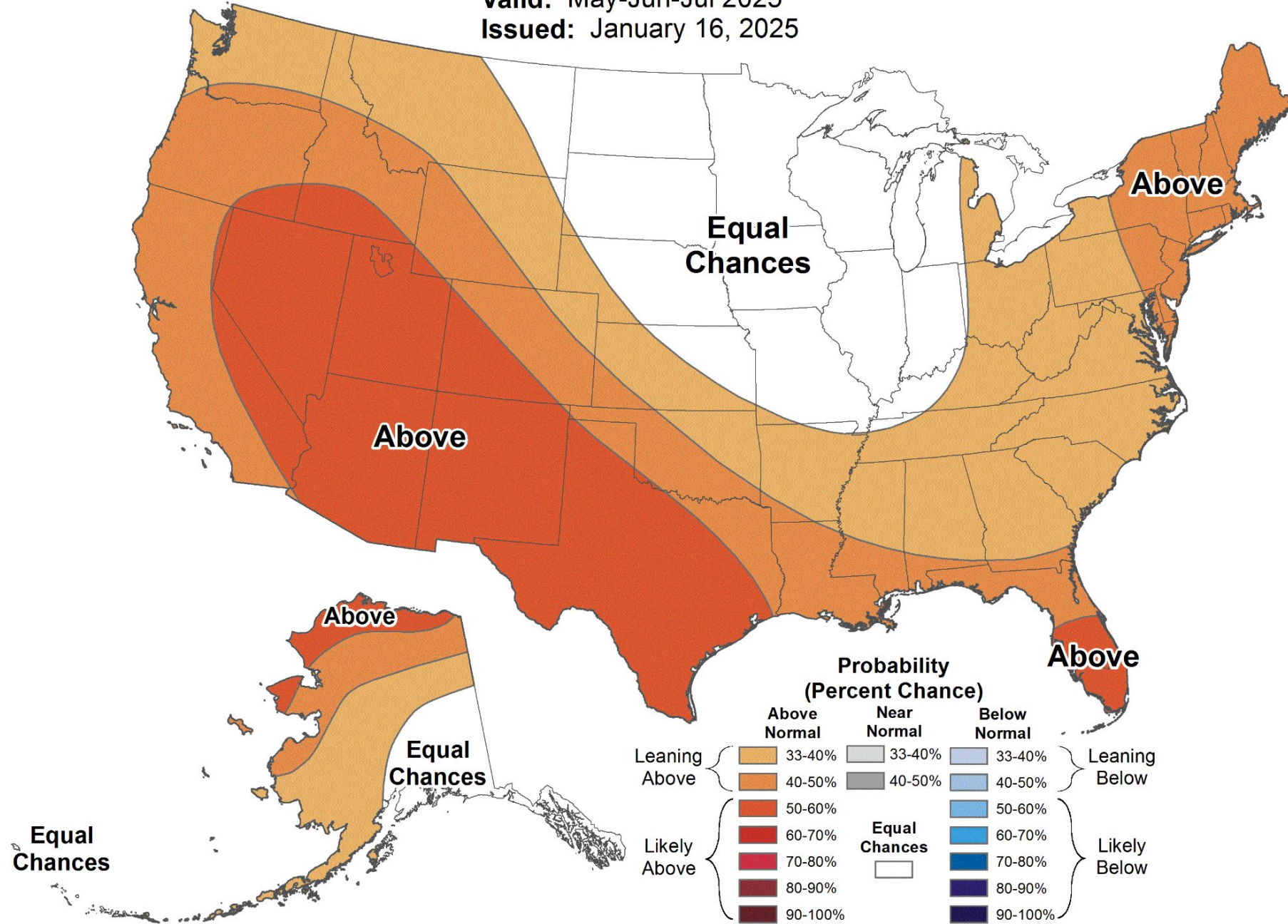
Weather Forecast Office
Boise, ID
Thursday, January 15



Seasonal Temperature Outlook



Valid: May-Jun-Jul 2025
Issued: January 16, 2025



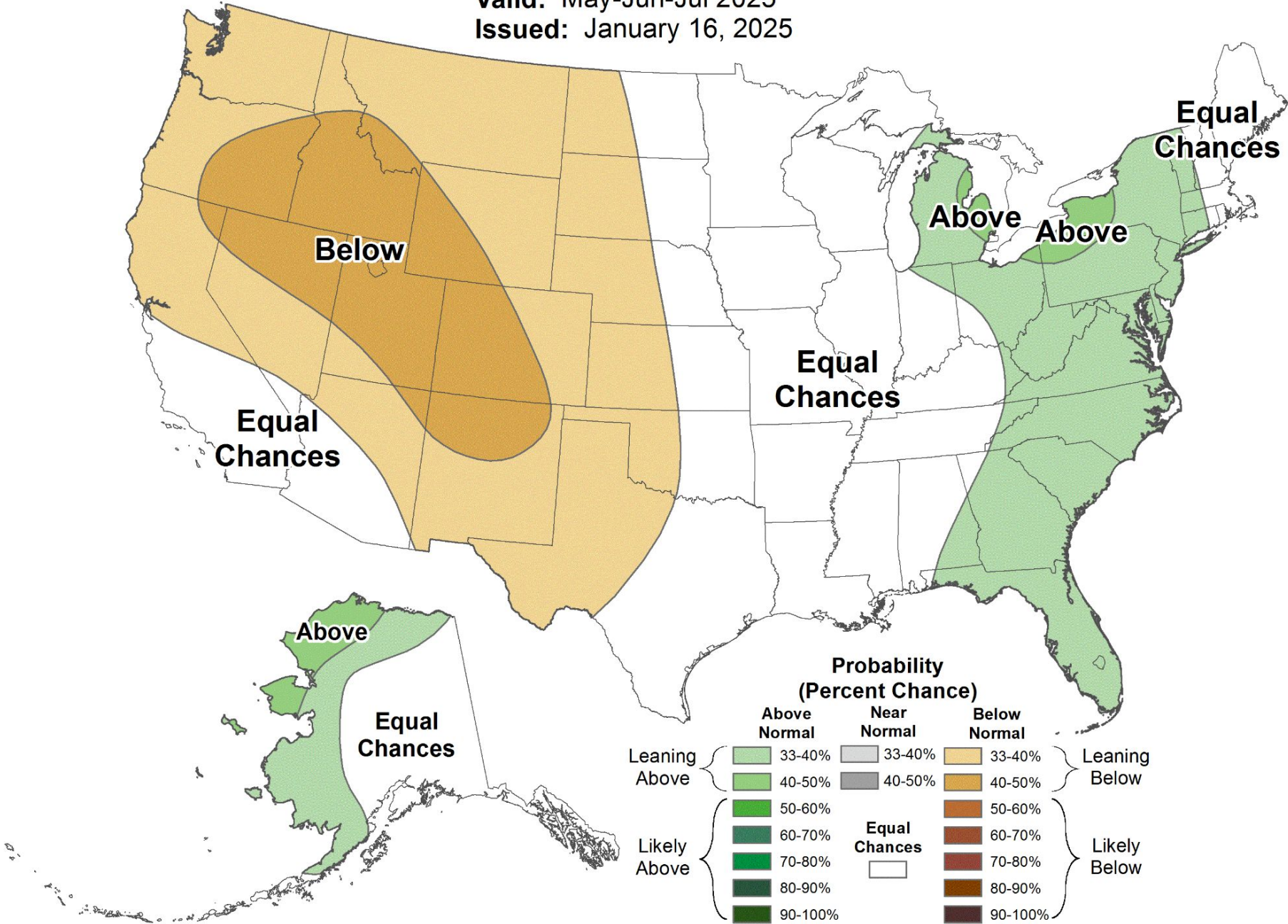
Probability (Percent Chance)					
Above Normal		Near Normal	Below Normal		
Leaning Above	33-40%	33-40%	33-40%	Leaning Below	
	40-50%	40-50%	40-50%		
	50-60%		50-60%		
Likely Above	60-70%	Equal Chances	60-70%	Likely Below	
	70-80%		70-80%		
	80-90%		80-90%		
	90-100%		90-100%		



Seasonal Precipitation Outlook



Valid: May-Jun-Jul 2025
Issued: January 16, 2025



Probability (Percent Chance)					
Above Normal		Near Normal	Below Normal		
Leaning Above	33-40%	33-40%	33-40%	Leaning Below	
	40-50%	40-50%	40-50%		
	50-60%		50-60%		
Likely Above	60-70%	Equal Chances	60-70%	Likely Below	
	70-80%		70-80%		
	80-90%		80-90%		
	90-100%		90-100%		



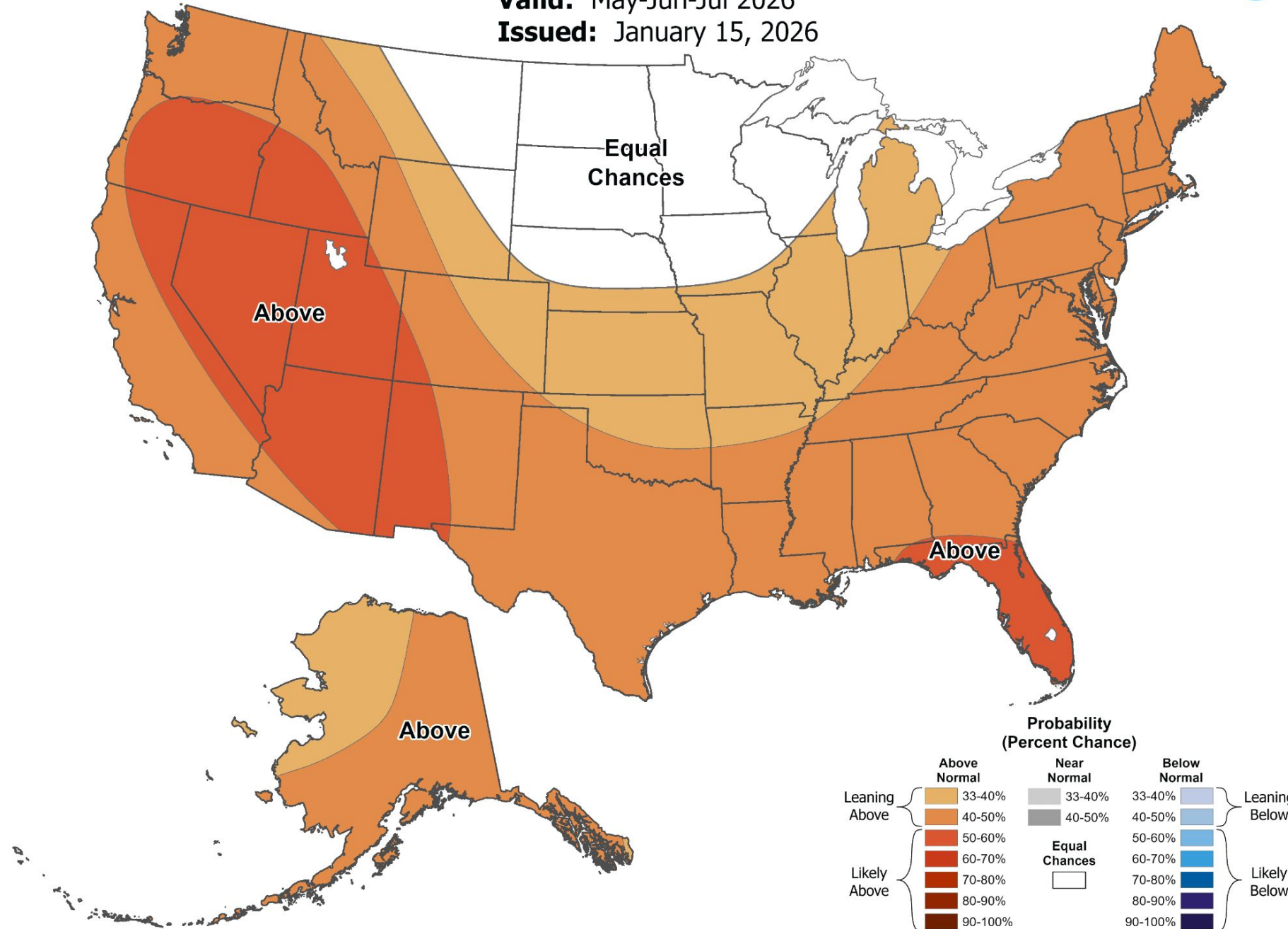
3-Month Outlook (May-Jun-Jul)

Weather Forecast Office
Boise, ID
Thursday, January 15



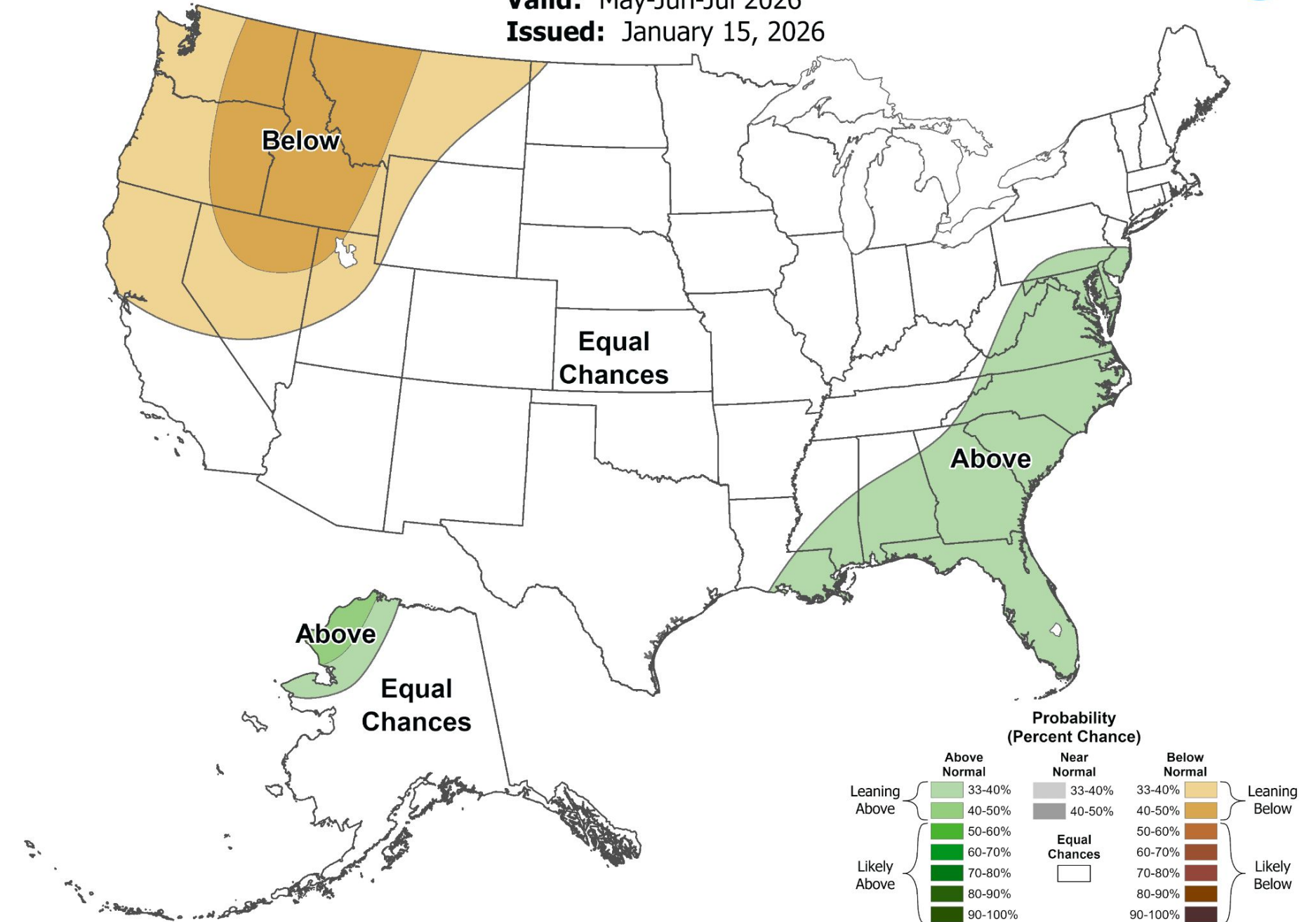
Seasonal Temperature Outlook

Valid: May-Jun-Jul 2026
Issued: January 15, 2026



Seasonal Precipitation Outlook

Valid: May-Jun-Jul 2026
Issued: January 15, 2026





Boise Snowfall Winter 2024-25/2025-26

Weather Forecast Office
Boise, ID
Thursday, January 15

Seasons with the least amount of snowfall in
Boise as of January 14th

2024-2025	0.0	T	T	2.4	11.0	0.2	T	13.6
2025-2026	0.0	0.1	T	T	M	M	M	0.1



Contact Information:



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