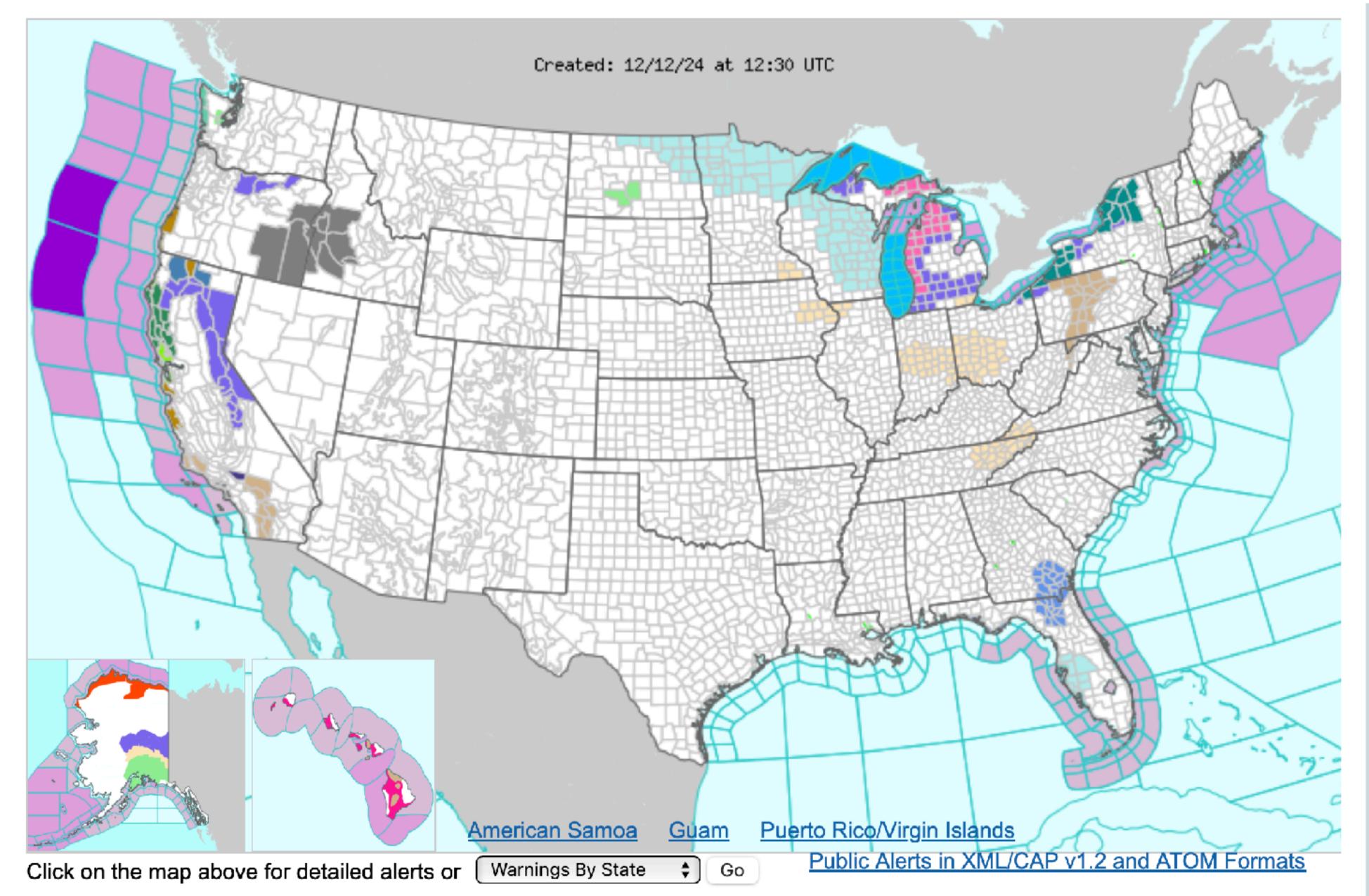
# North Dakota Bi-Weekly Drought Update

Daryl Ritchison, December 12, 2024

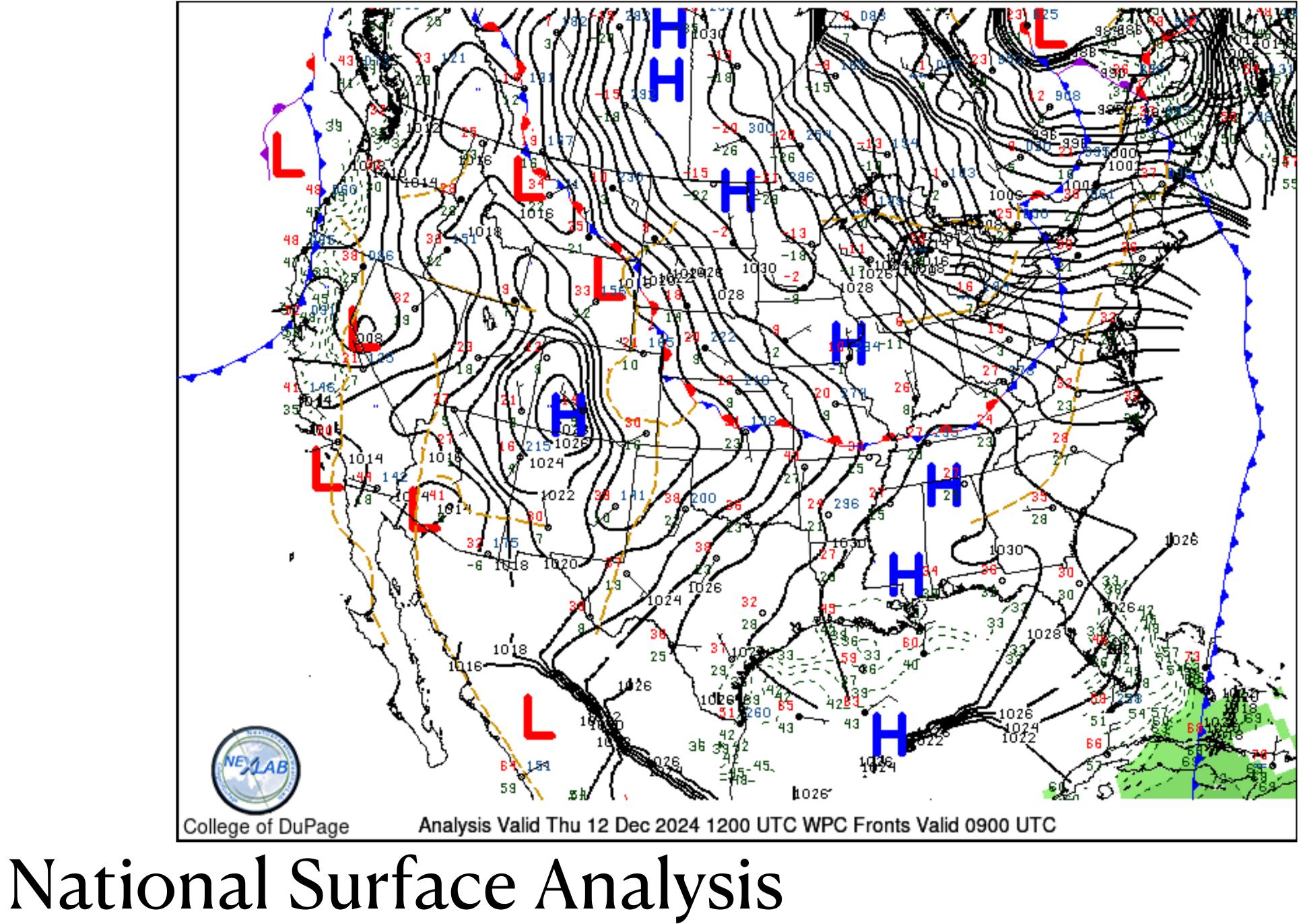
NDAWN Banks

# West 11/29/2024 03:36:15 PM

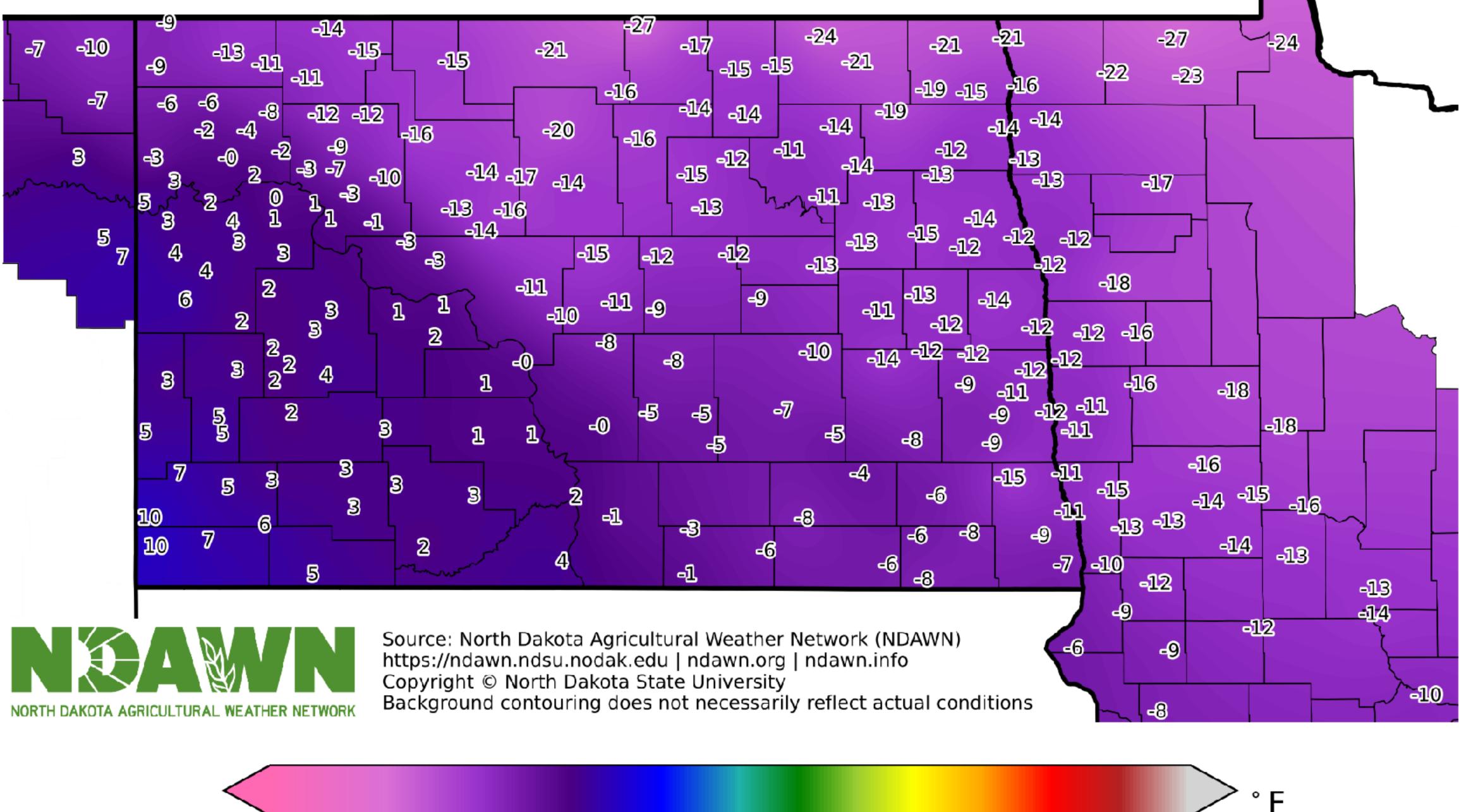




### National Advisories



Today's Minimum Temperature (°F)



20

40

60

80

100



0

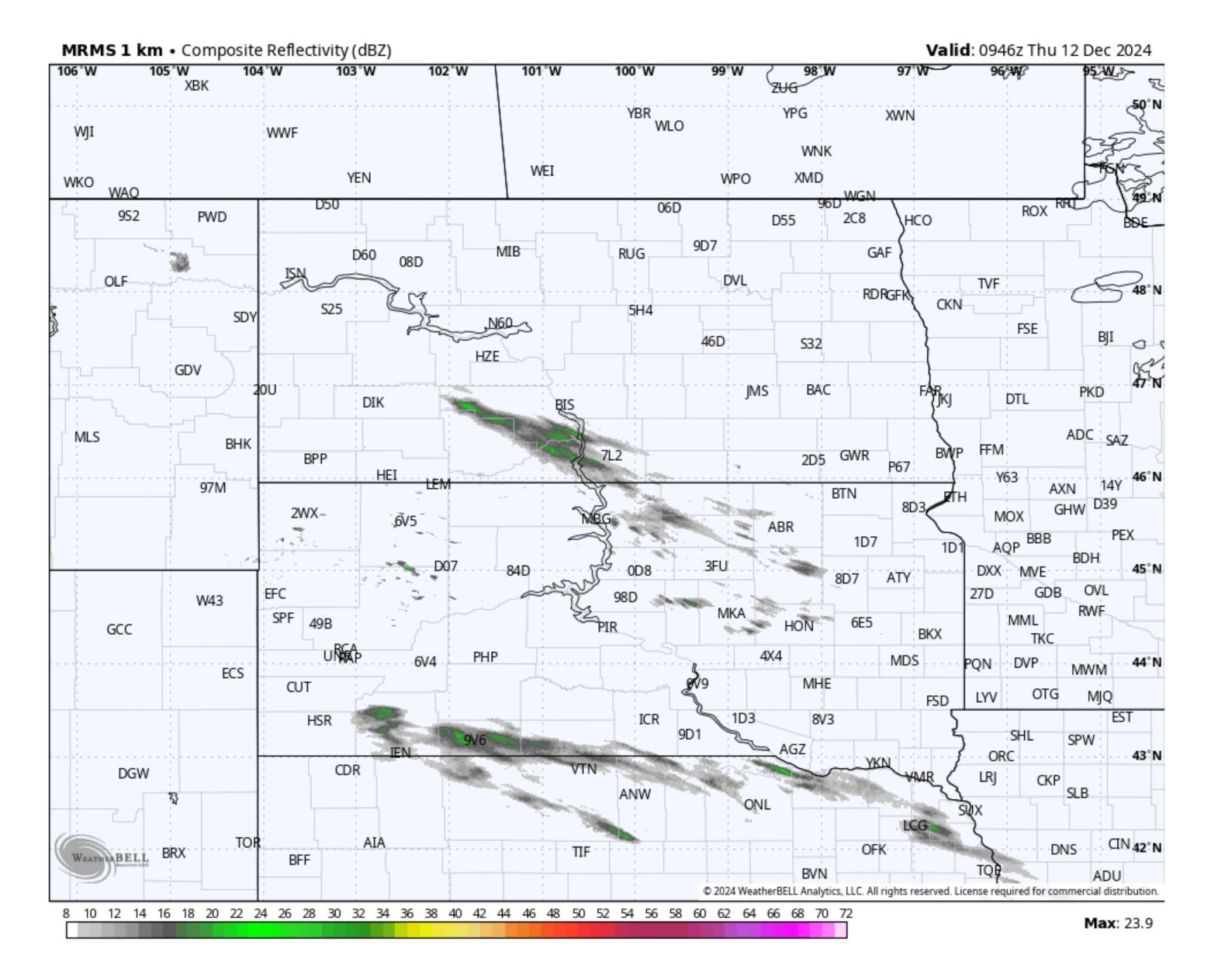
-20

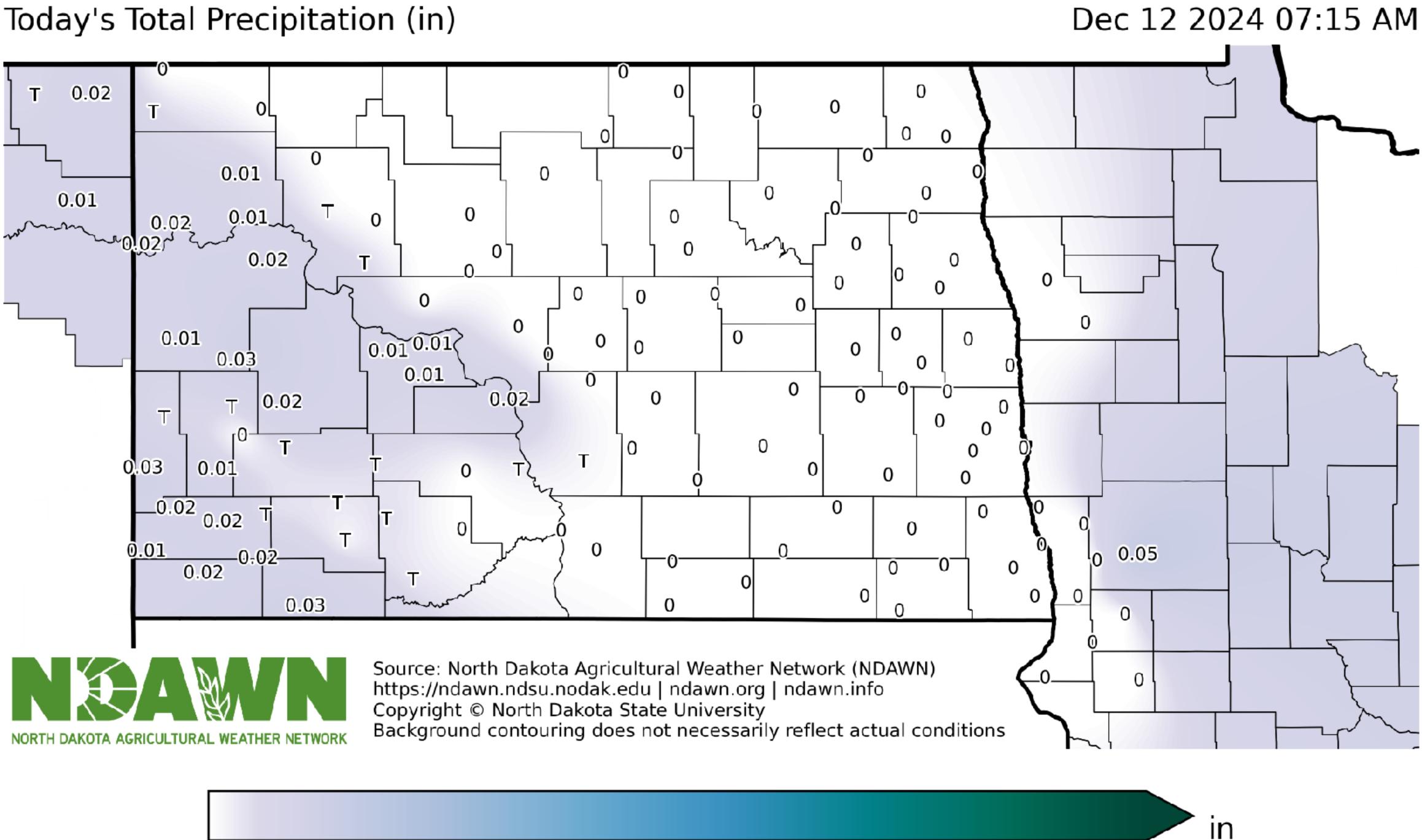
-40

Dec 12 2024 06:36 AM



### Radar This Morning

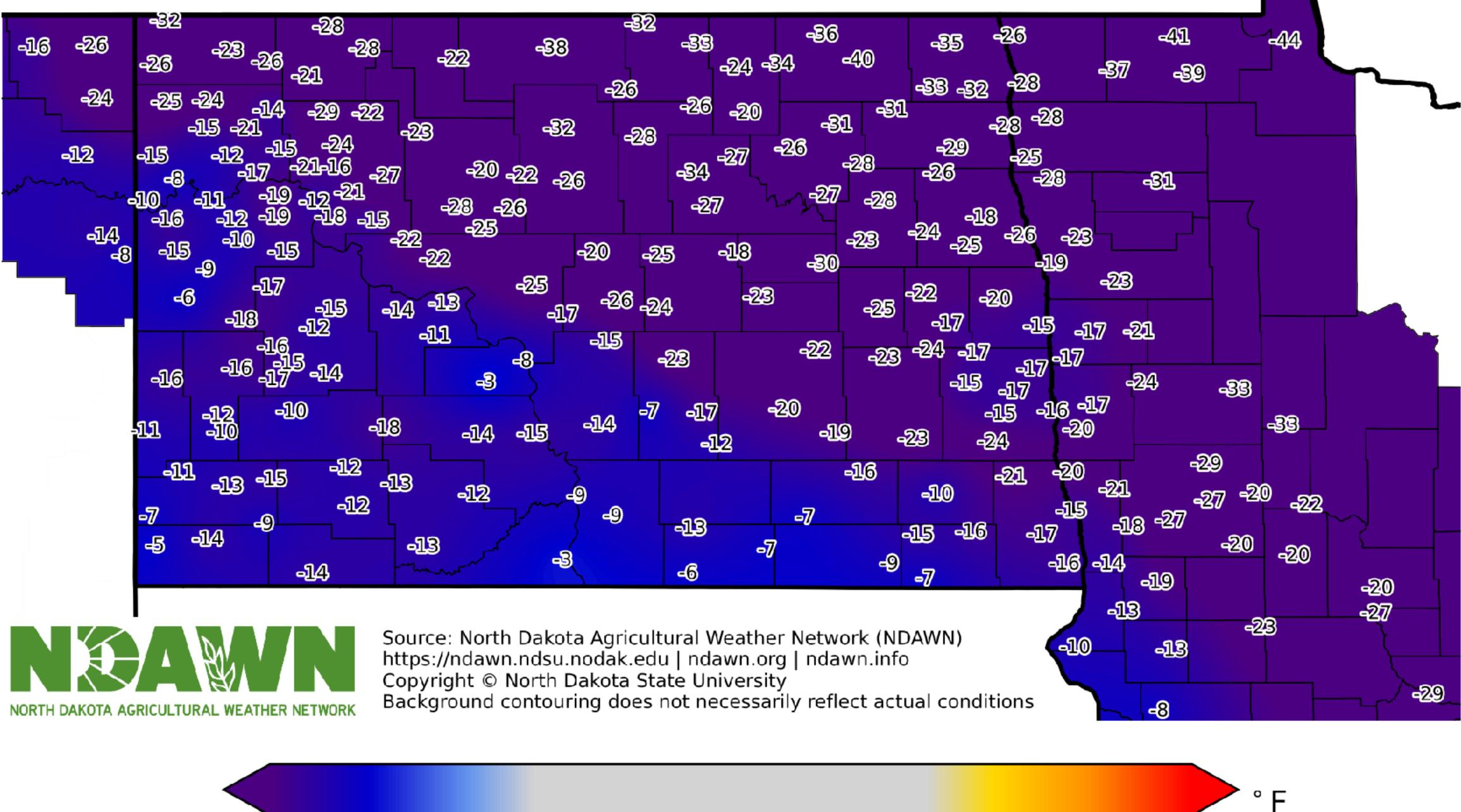






0.00 0.01 0.05 0.10 0.25 0.50 0.75 1.00 1.50 2.00 2.50 3.00 4.00 5.00

### Cattle Comfort Index



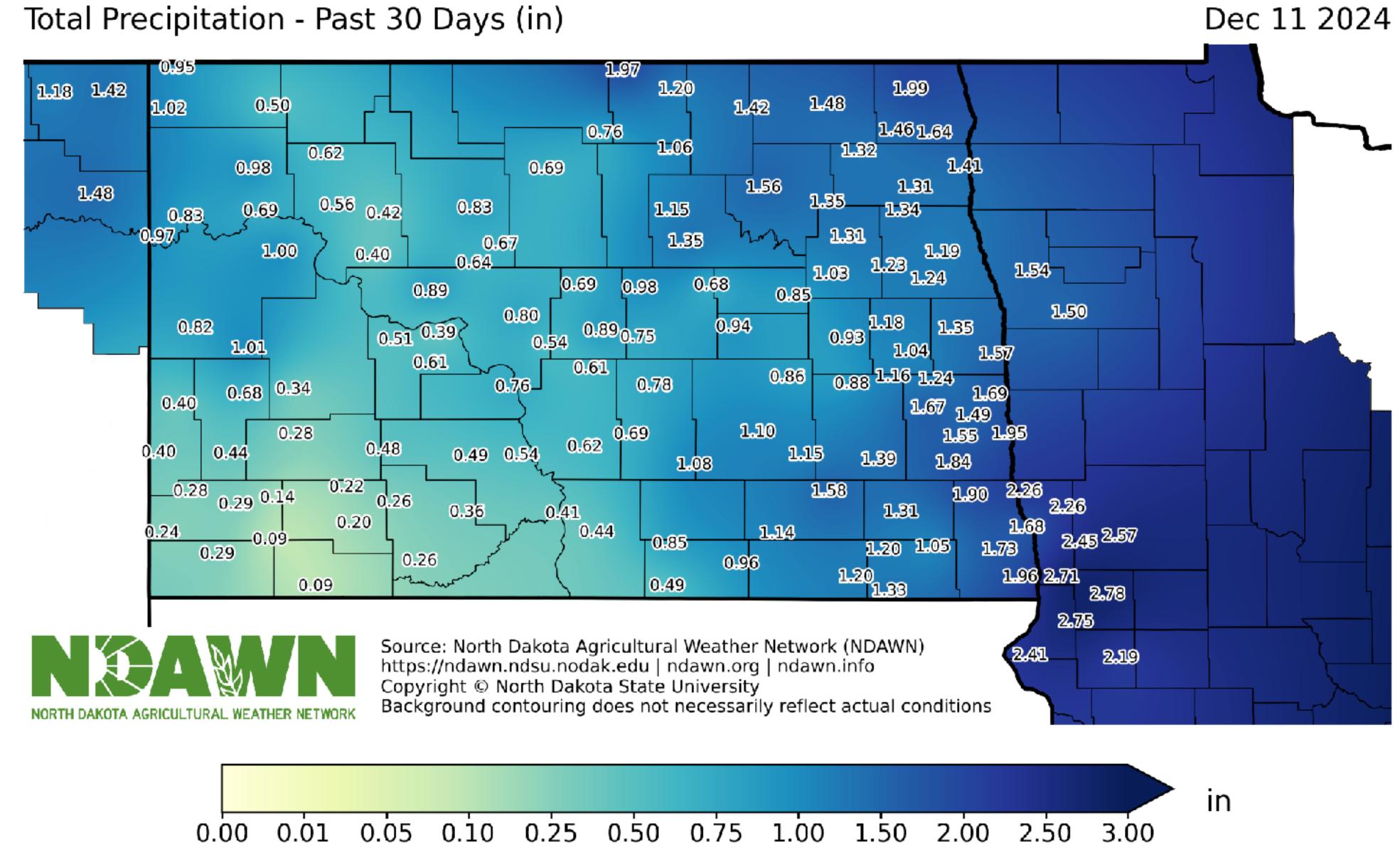


-20 - 10 0

### Dec 12 2024 06:31 AM

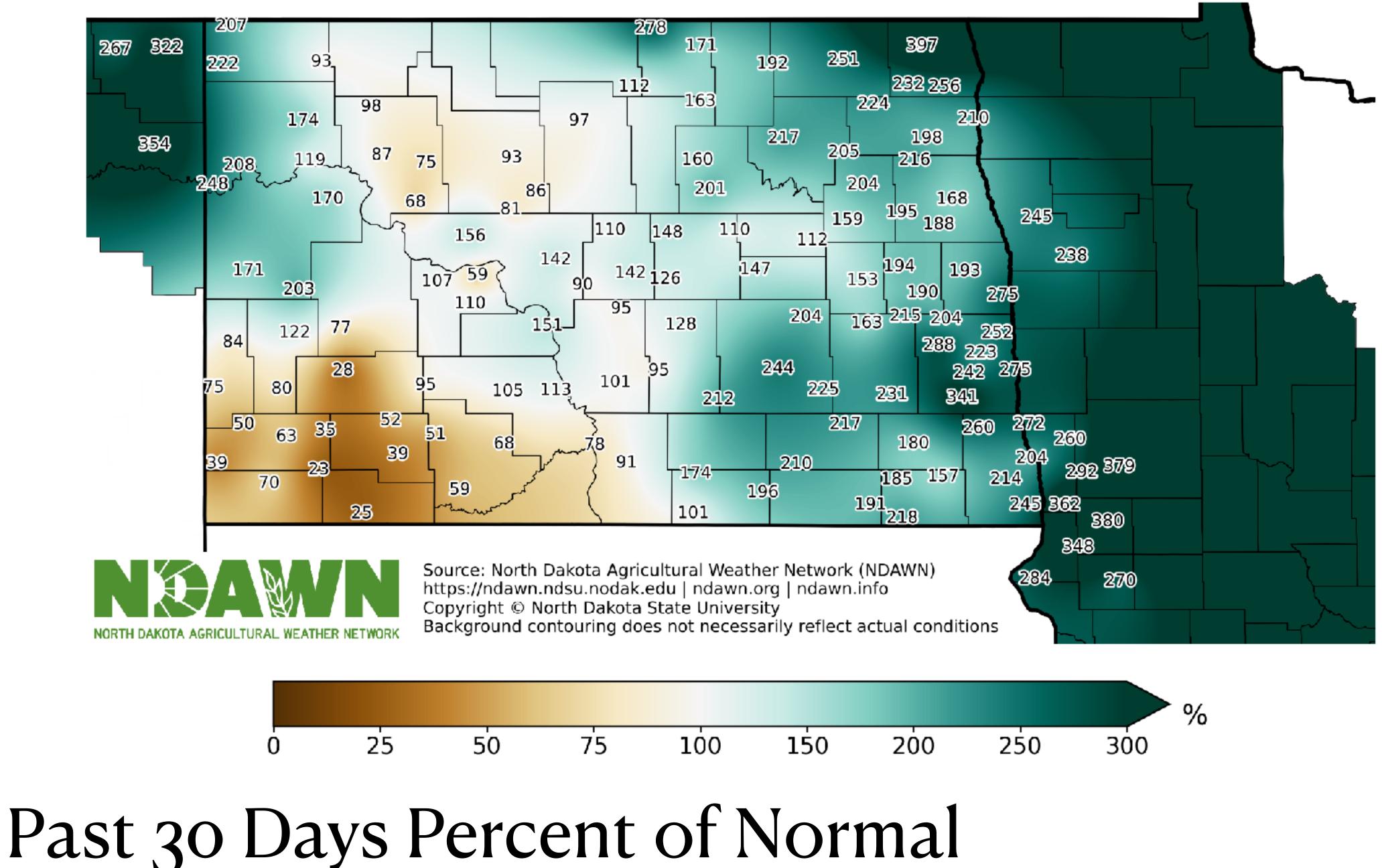
100 110 120

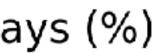




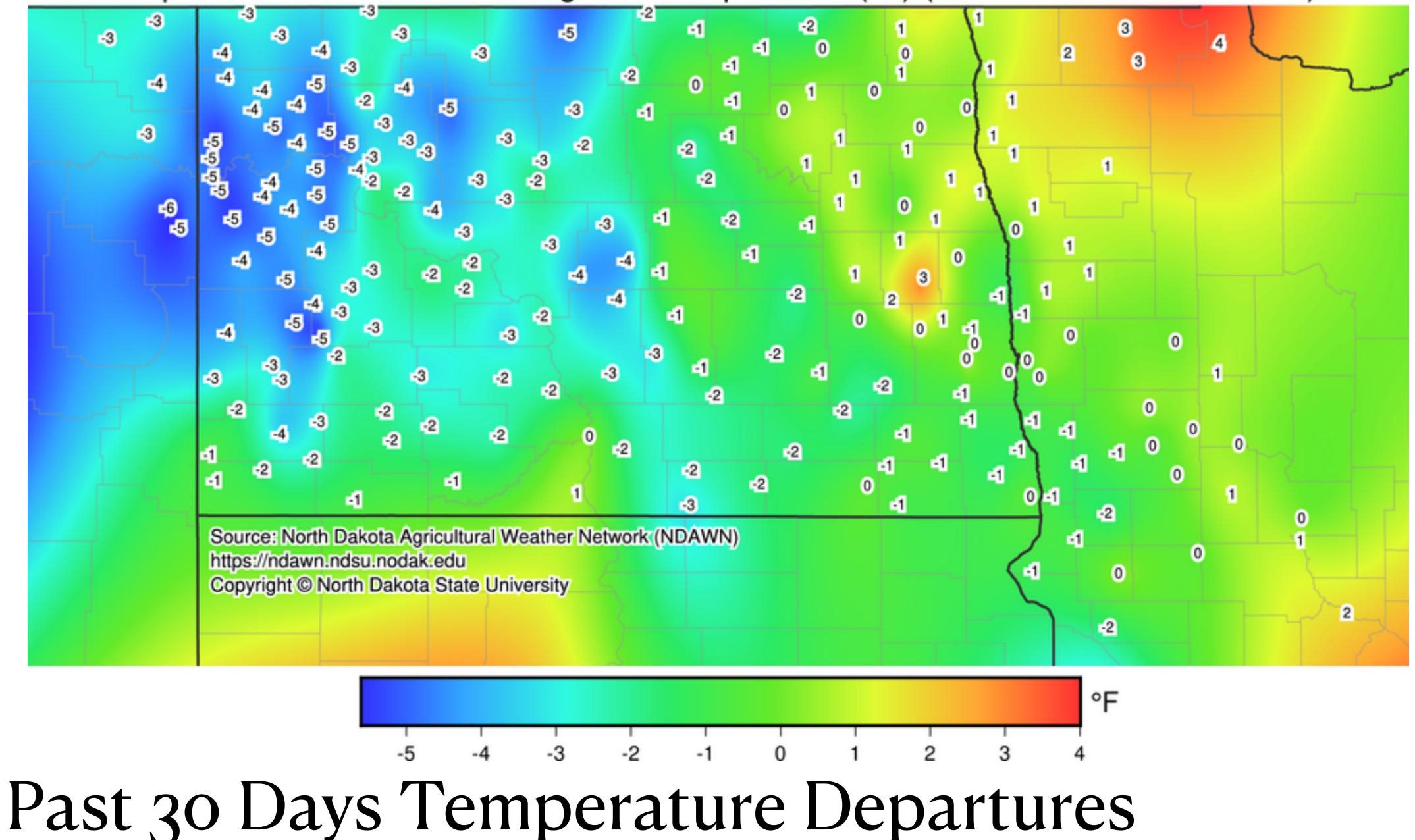
# Past 30 Days Precipitation

Percent of Normal Precipitation - Past 30 Days (%)

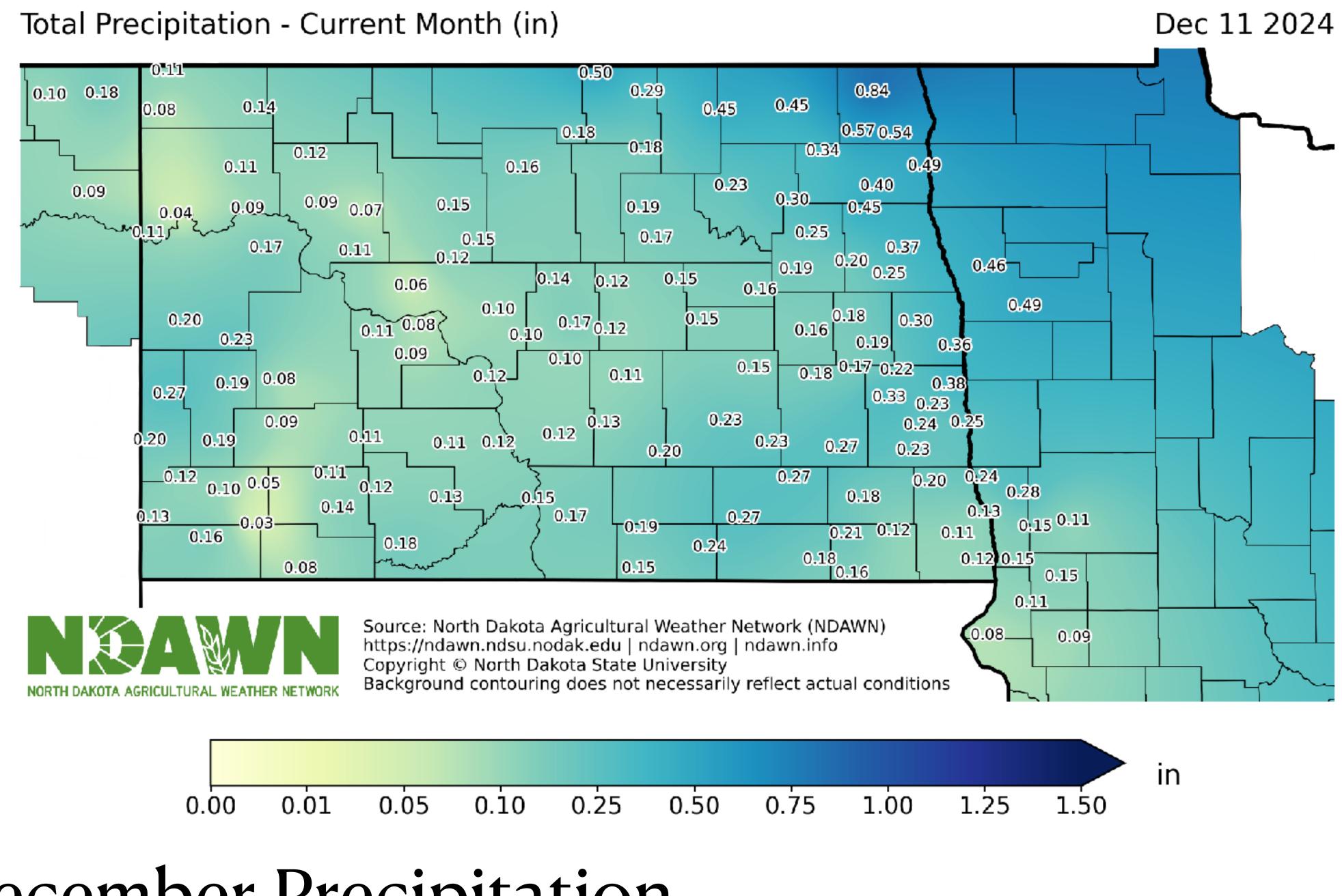




Dec 11 2024

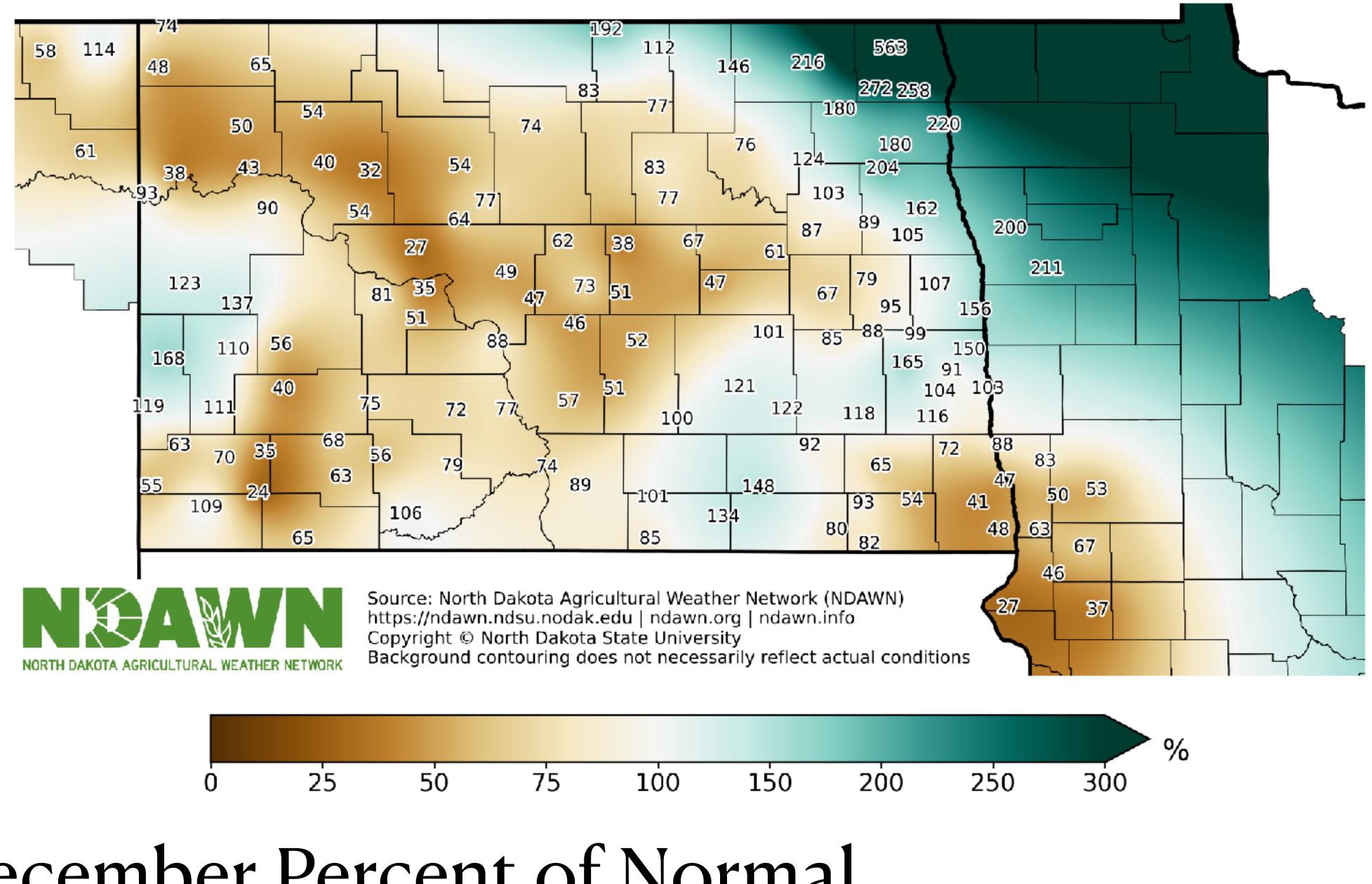


Departure from Normal Average Air Temperature (°F) (2024-11-12 - 2024-12-11)



### December Precipitation

Percent of Normal Precipitation - Current Month (%)

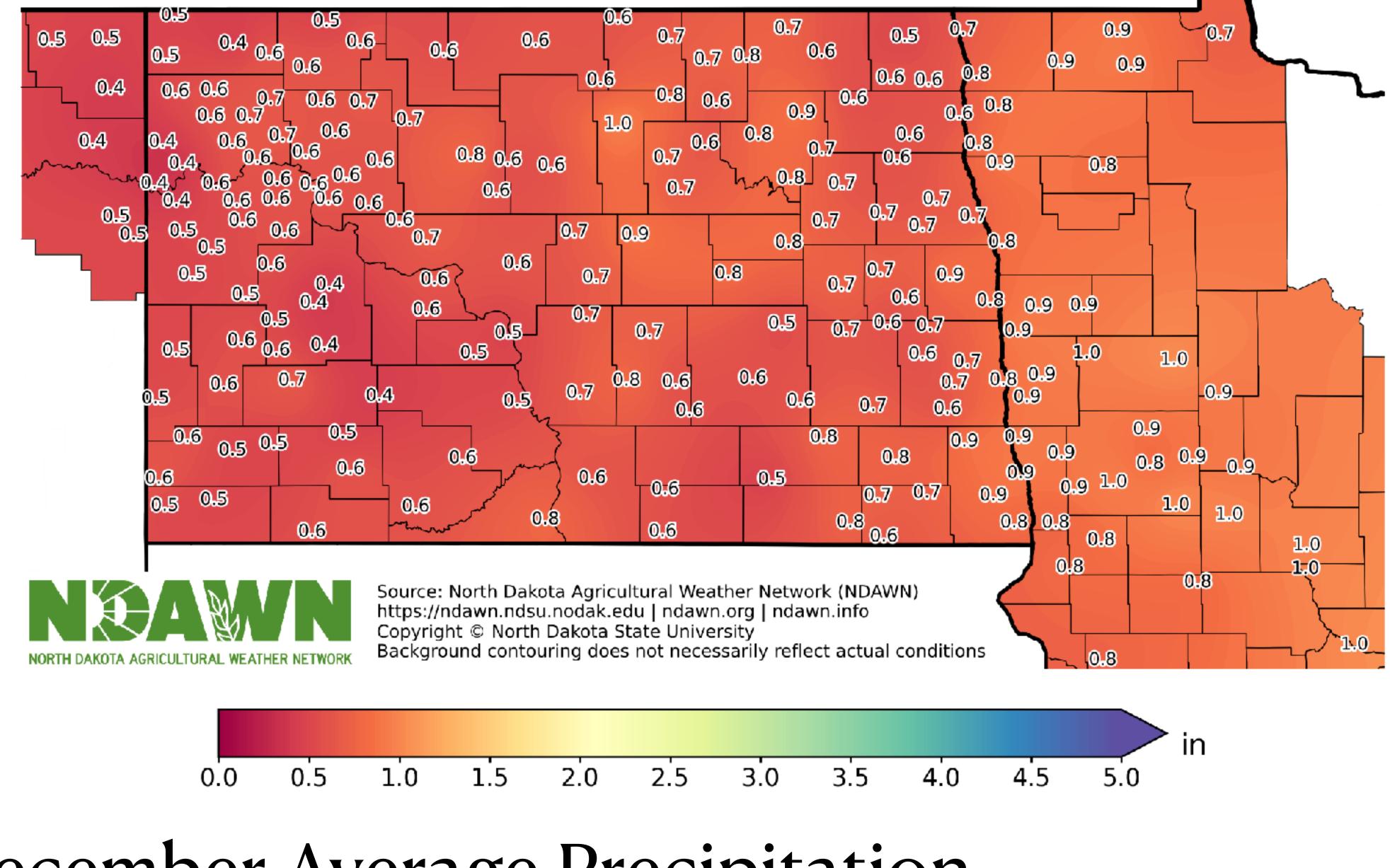


### December Percent of Normal



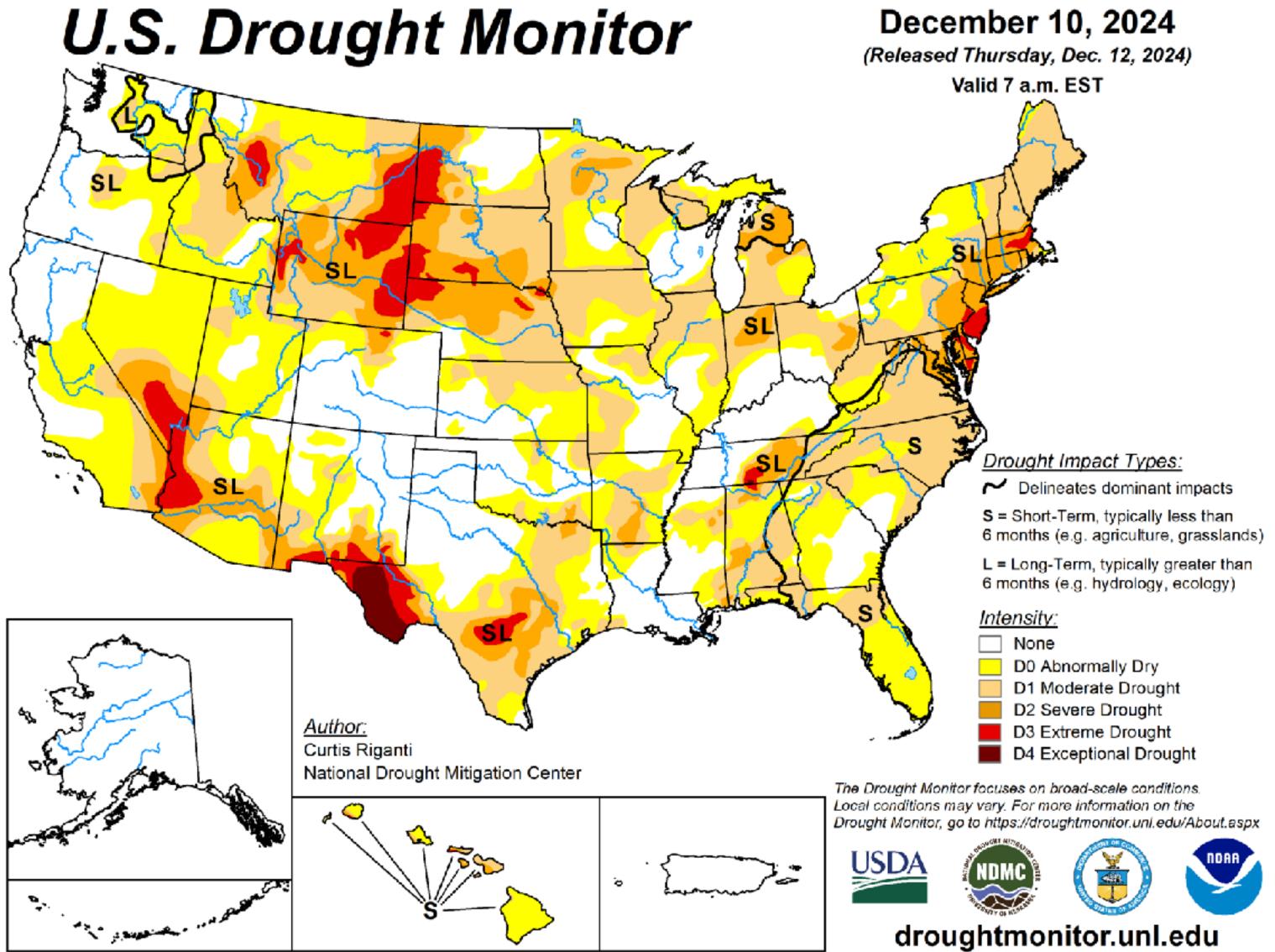
Dec 11 2024

December Total Precipitation (in)



### December Average Precipitation

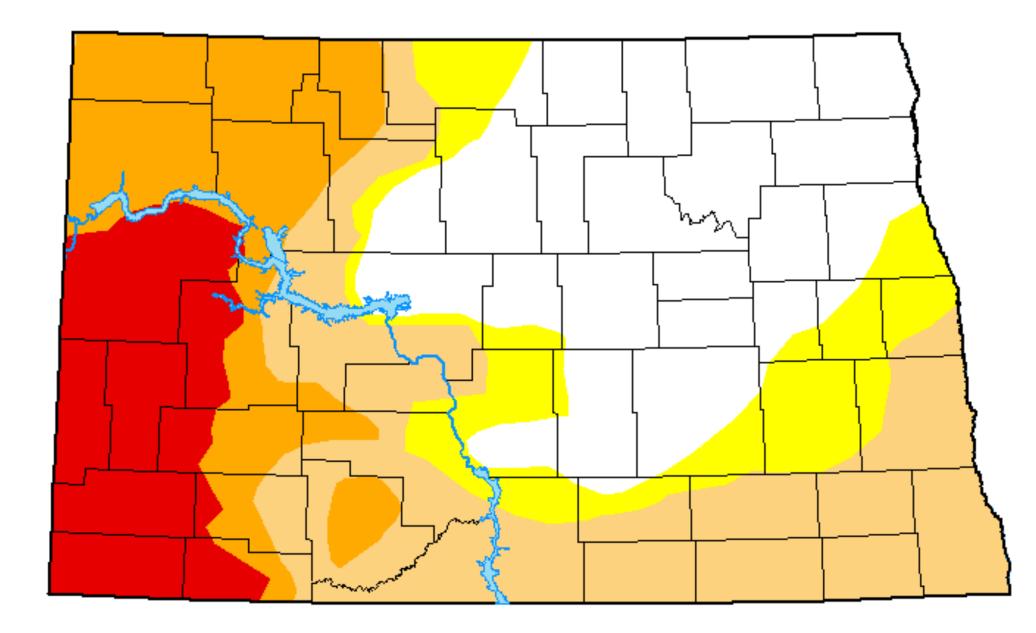
1991-2020 Climate Normals



### Current Drought Monitor



### U.S. Drought Monitor North Dakota

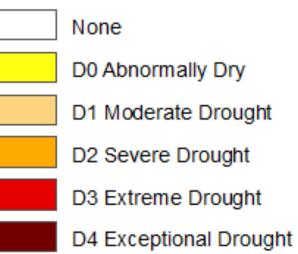


# Current Drought Monitor

### December 10, 2024

(Released Thursday, Dec. 12, 2024) Valid 7 a.m. EST

### <u>Intensity:</u>



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

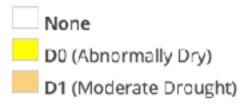
### Author:

Curtis Riganti National Drought Mitigation Center



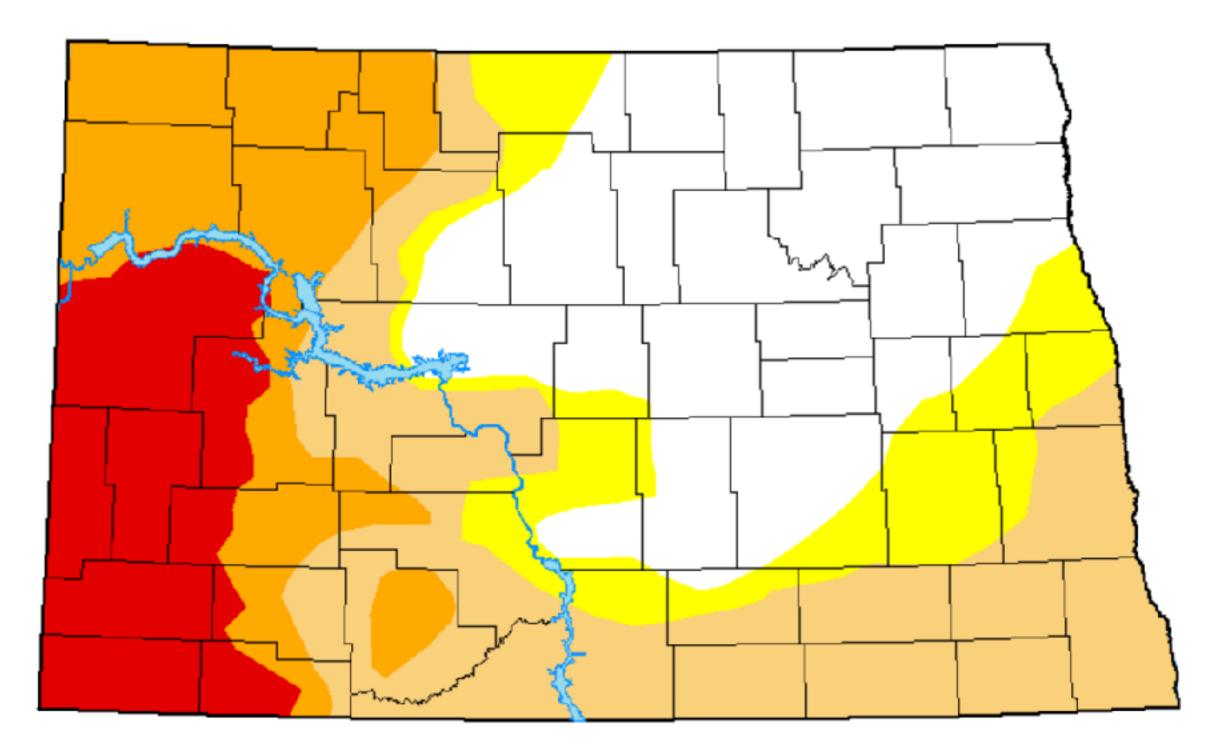
droughtmonitor.unl.edu

### **Drought Classification**





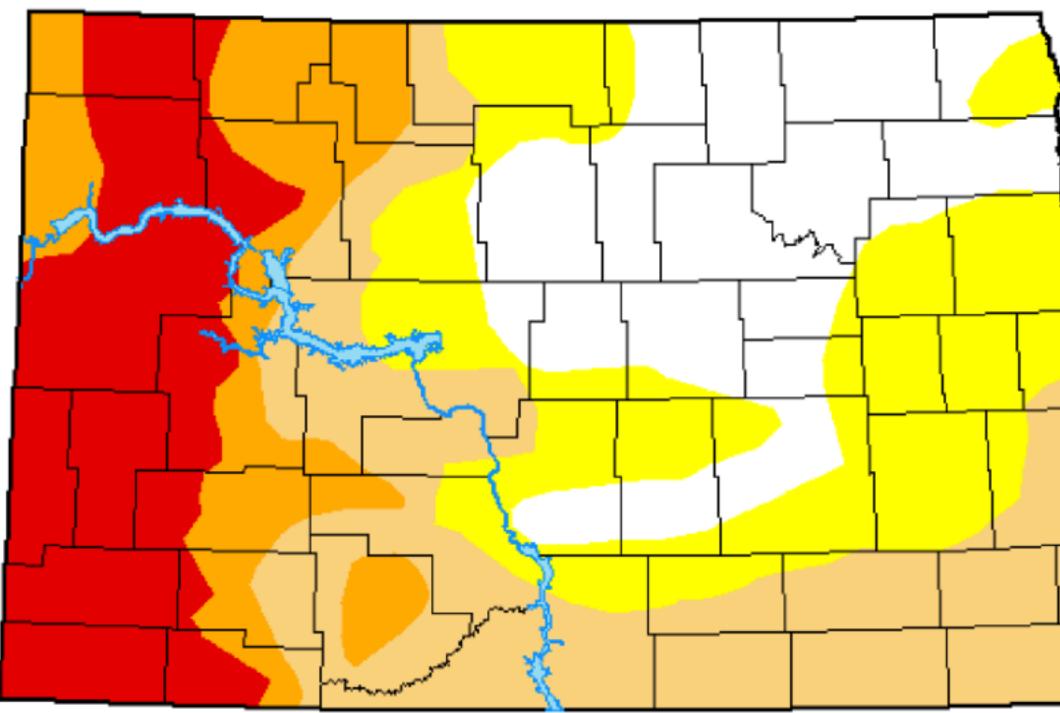
### December 12



Two Week Comparison

D4 (Exceptional Drought) No Data

### November 26

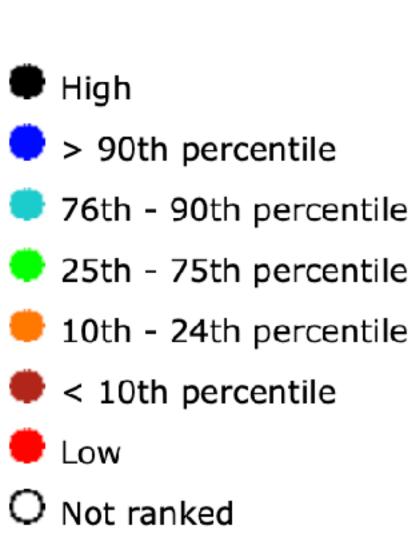


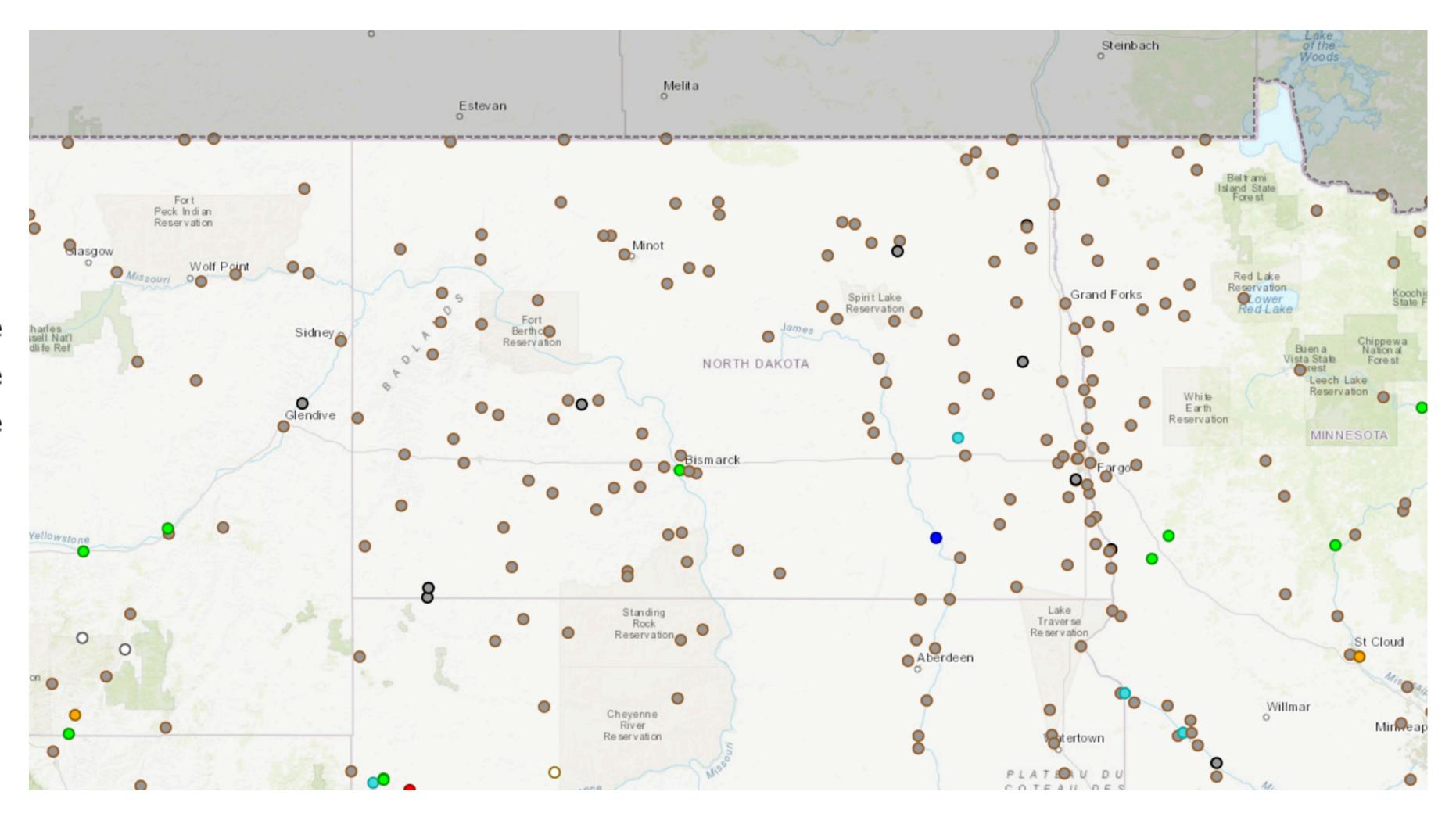


Week	Date	None	D0-D4	D1-D4	D2-D4	D3-D4	
Current	<u>2024-12-10</u>	32.78	67.22	54.74	28.78	12.99	(
Last Week to Current	<u>2024-12-03</u>	32.78	67.22	54.74	28.78	12.99	(
3 Months Ago to Current	<u>2024-09-10</u>	60.80	39.20	16.80	6.50	0.00	(
Start of Calendar Year to Current	<u>2023-12-26</u>	70.11	29.89	15.72	6.78	0.00	(
Start of Water Year to Current	<u>2024-10-01</u>	47.89	52.1 <b>1</b>	25.17	12.68	3.39	(
One Year Ago to Current	<u>2023-12-12</u>	65.42	34.58	15.72	6.78	0.00	(

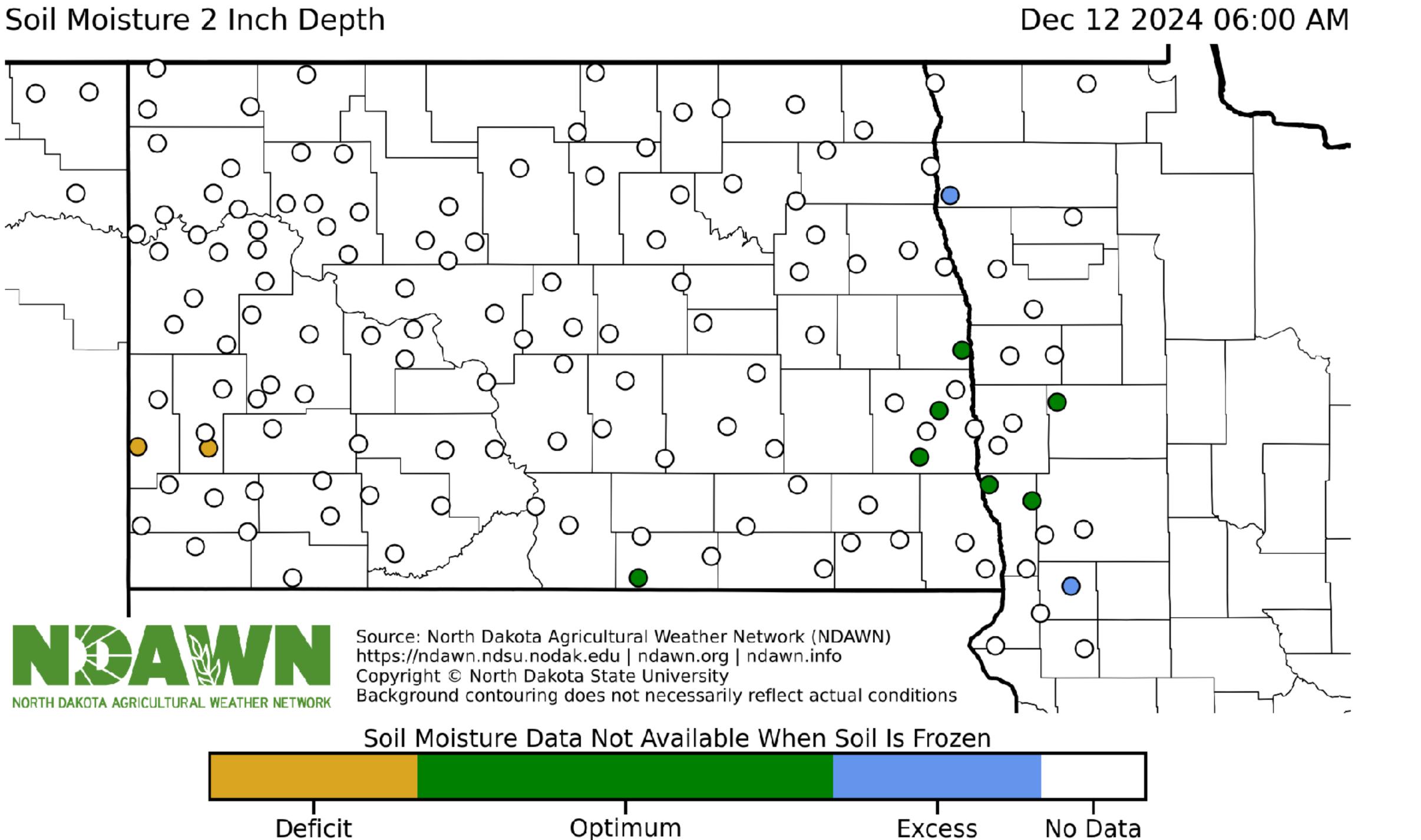
### North Dakota Categorical Percent



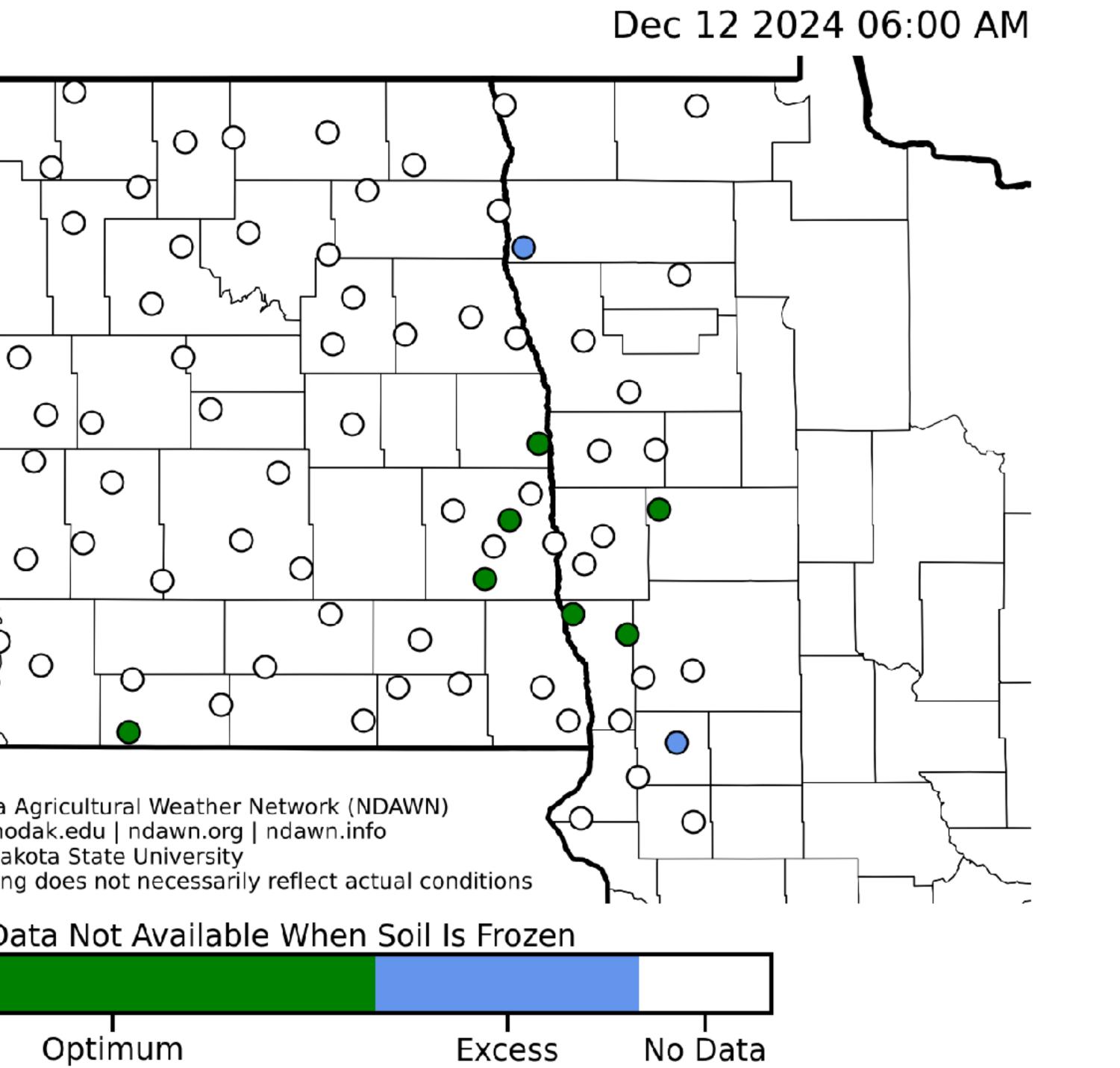


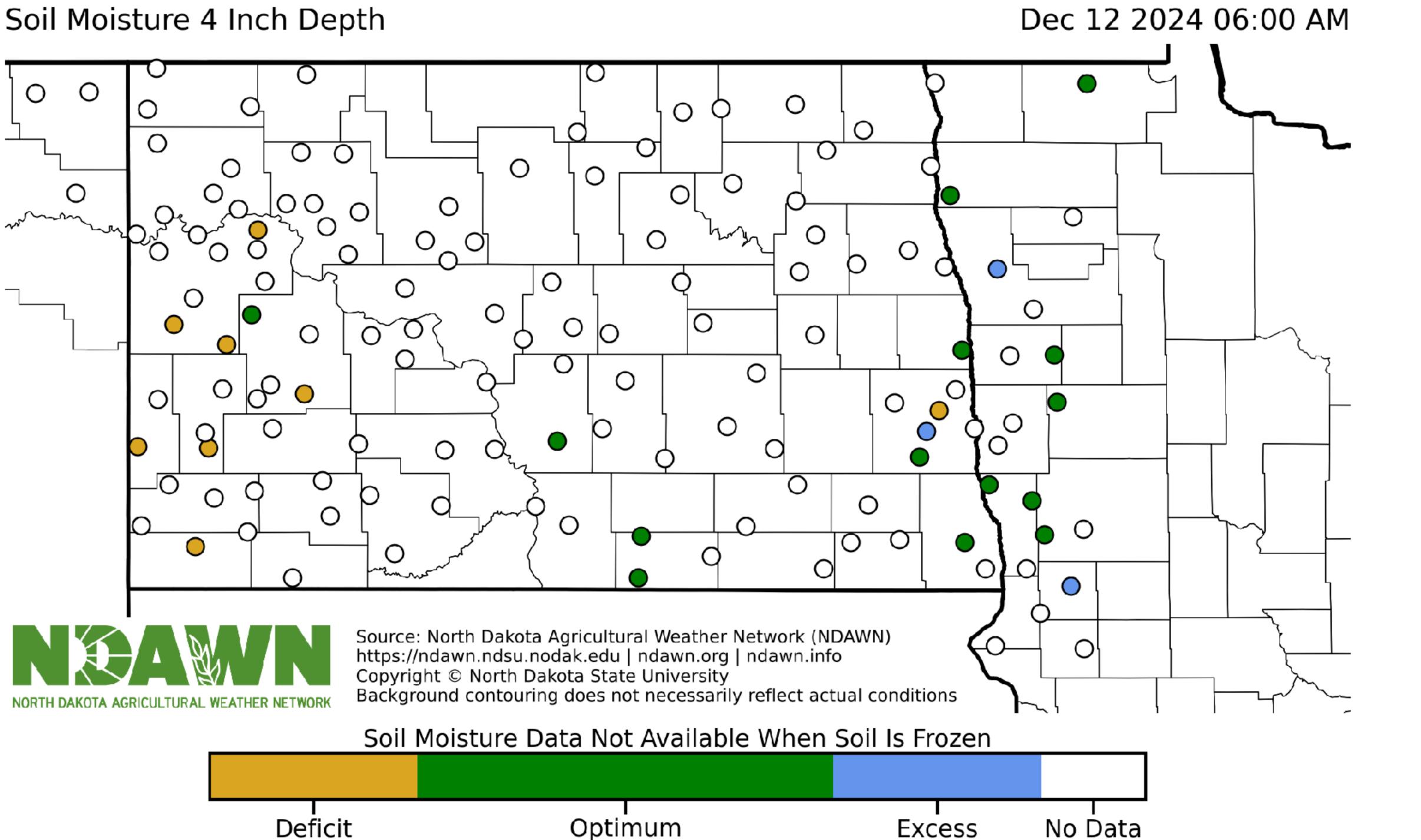


# Stream Flows

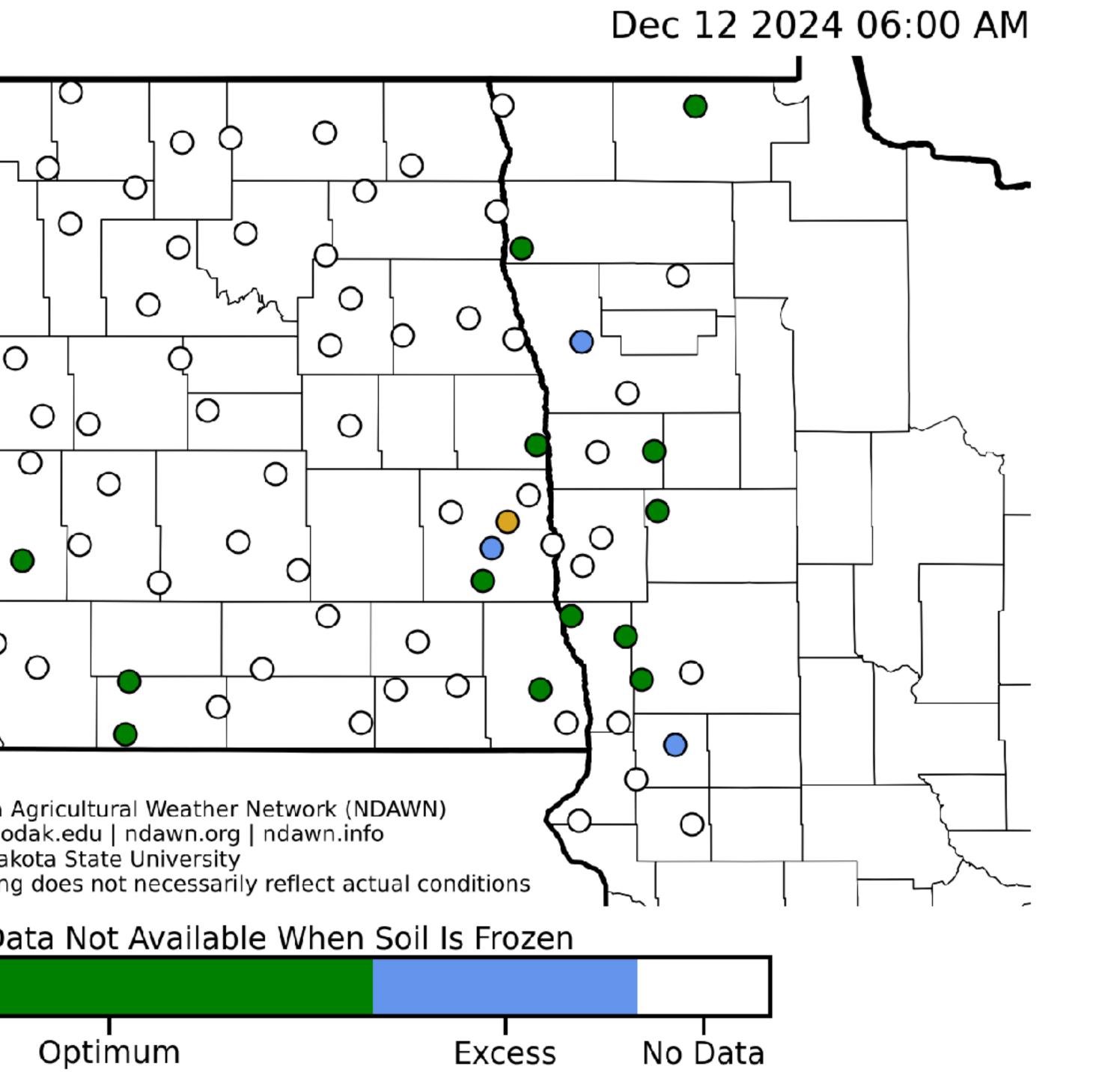


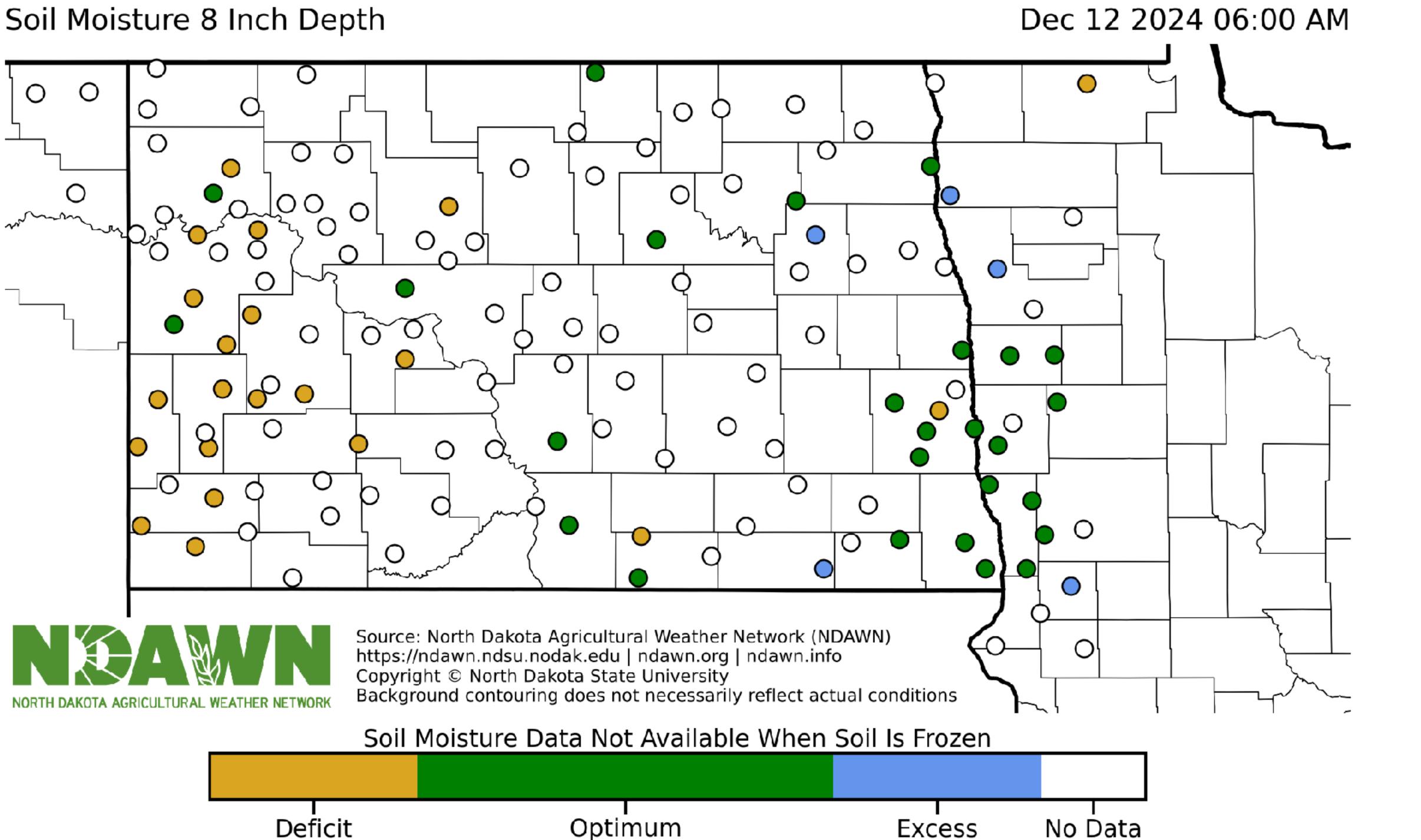




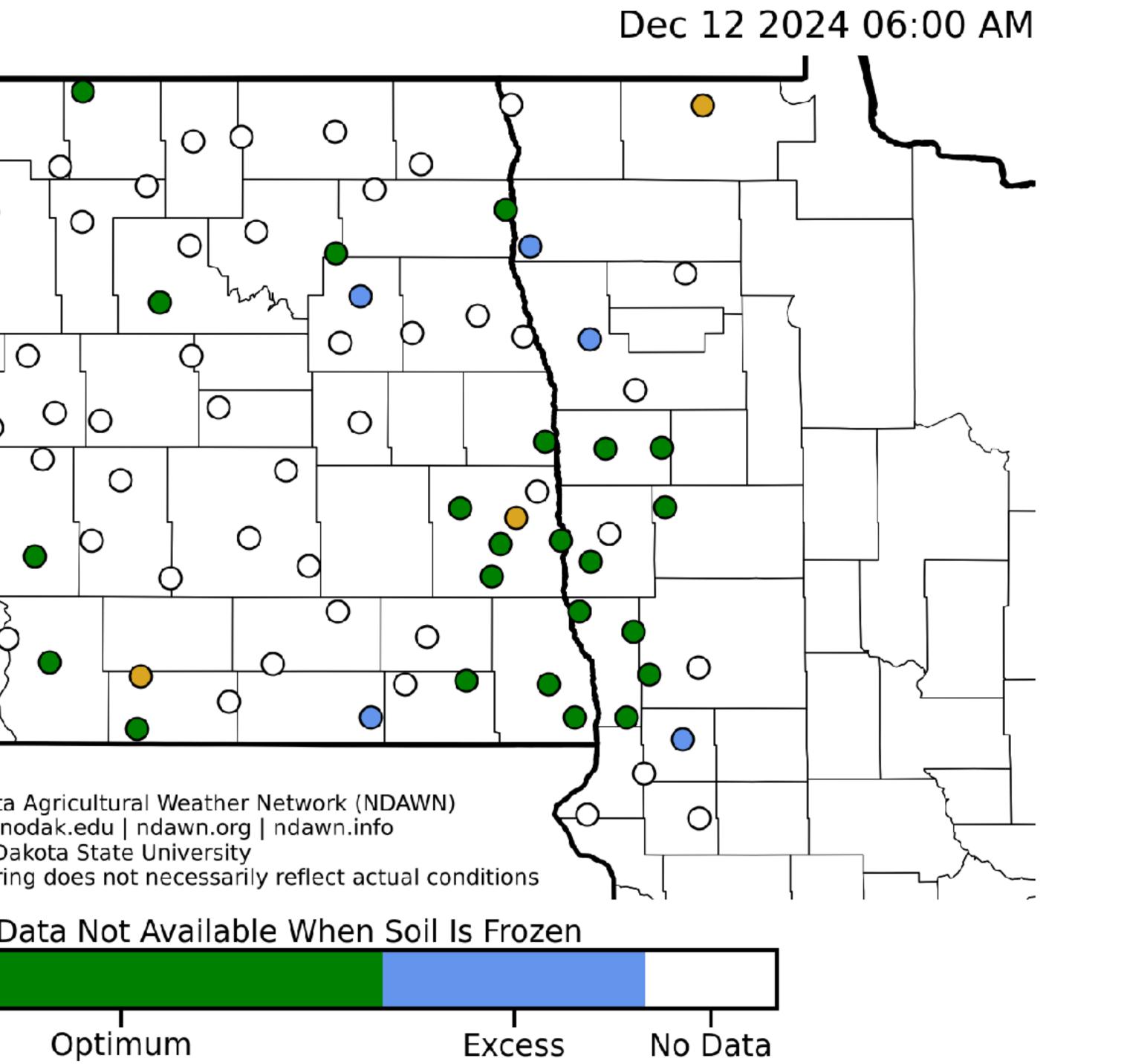


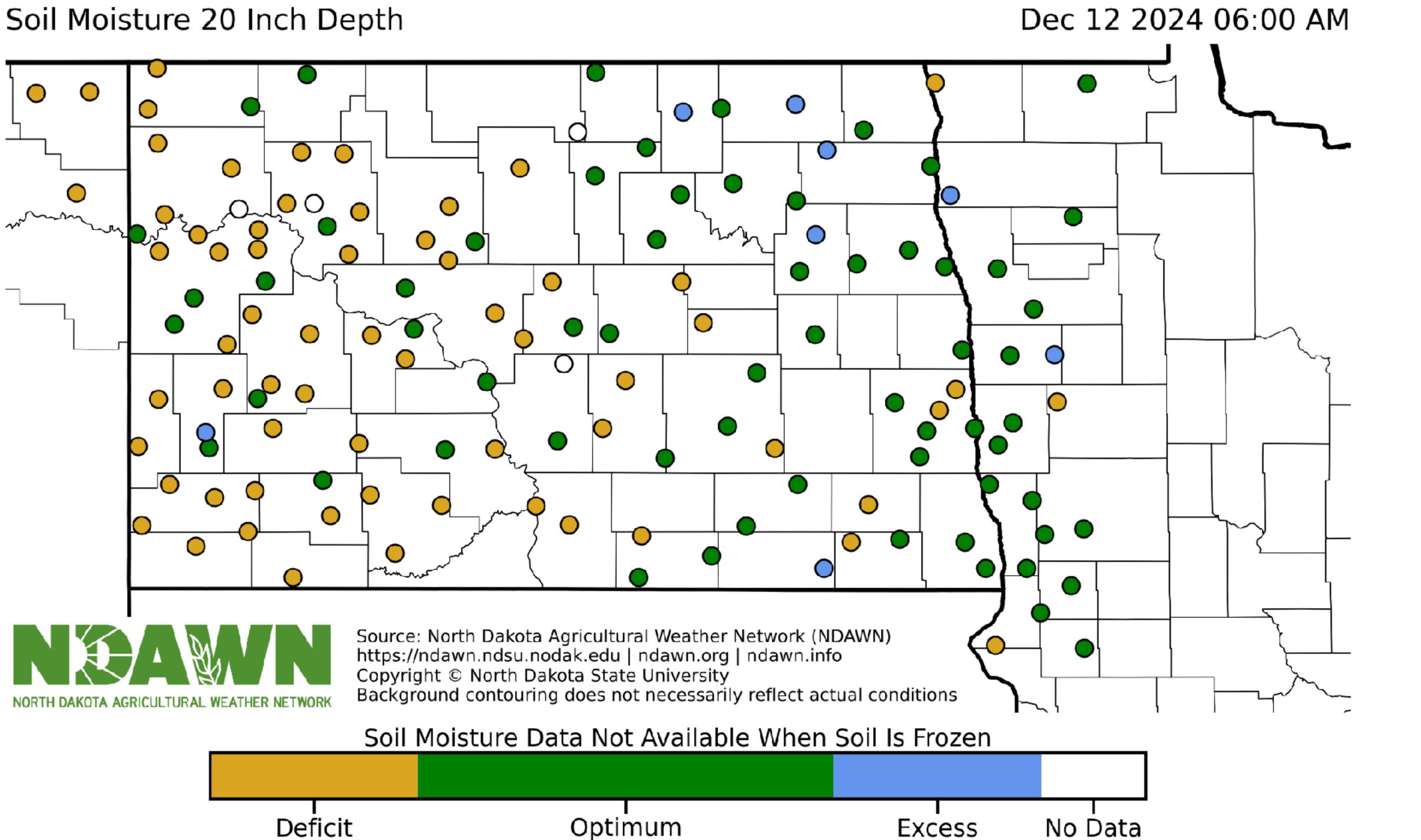






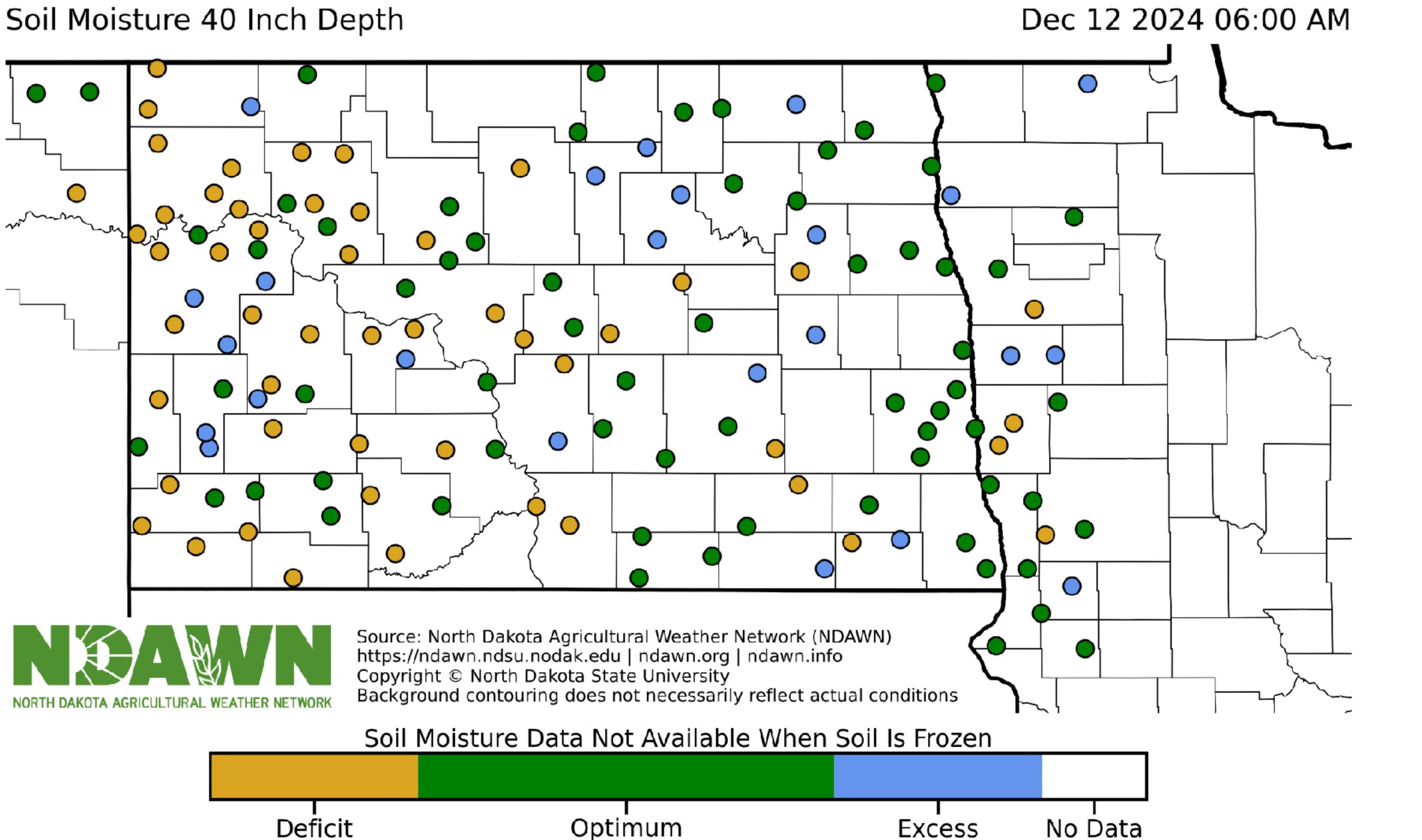




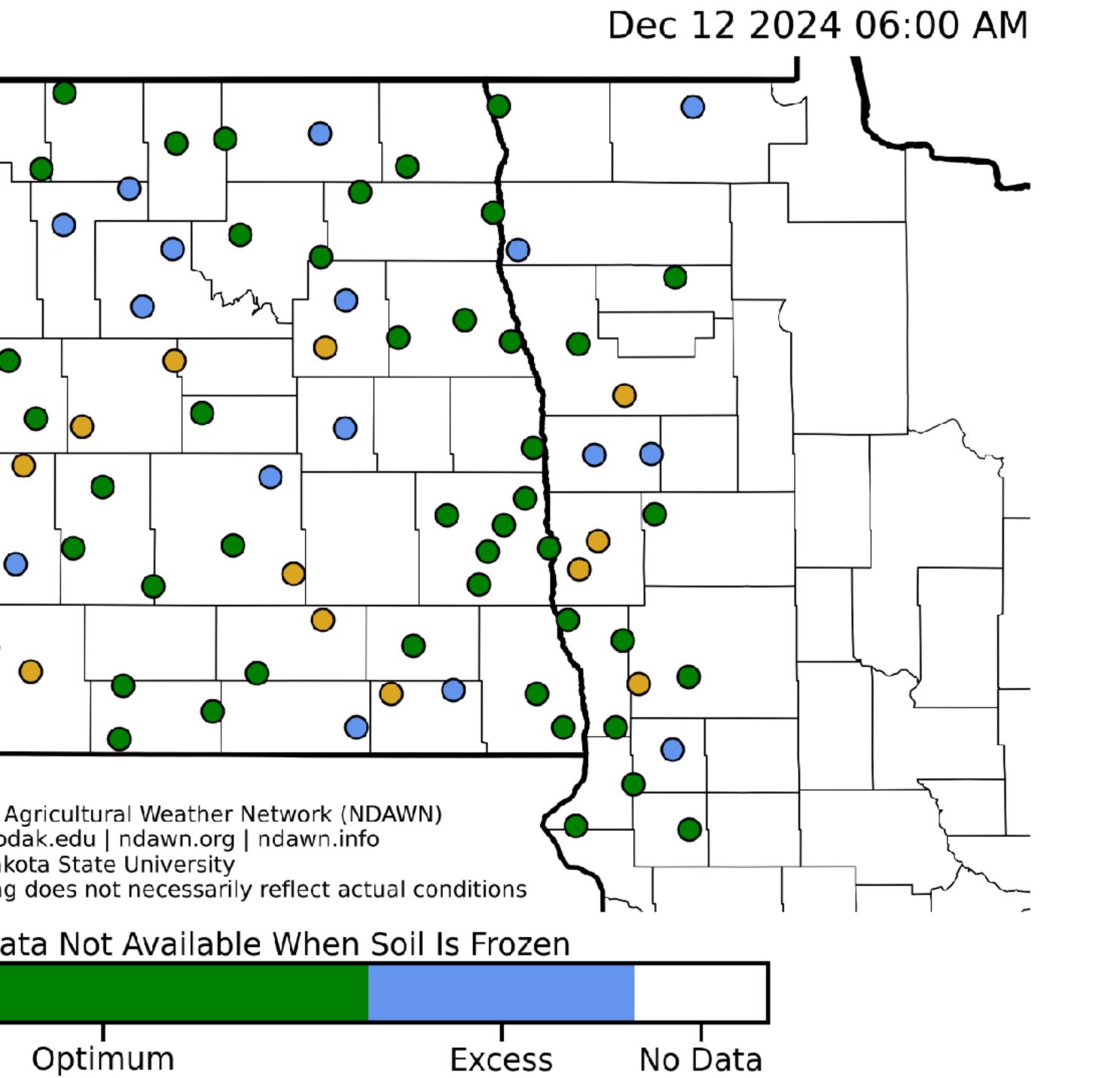


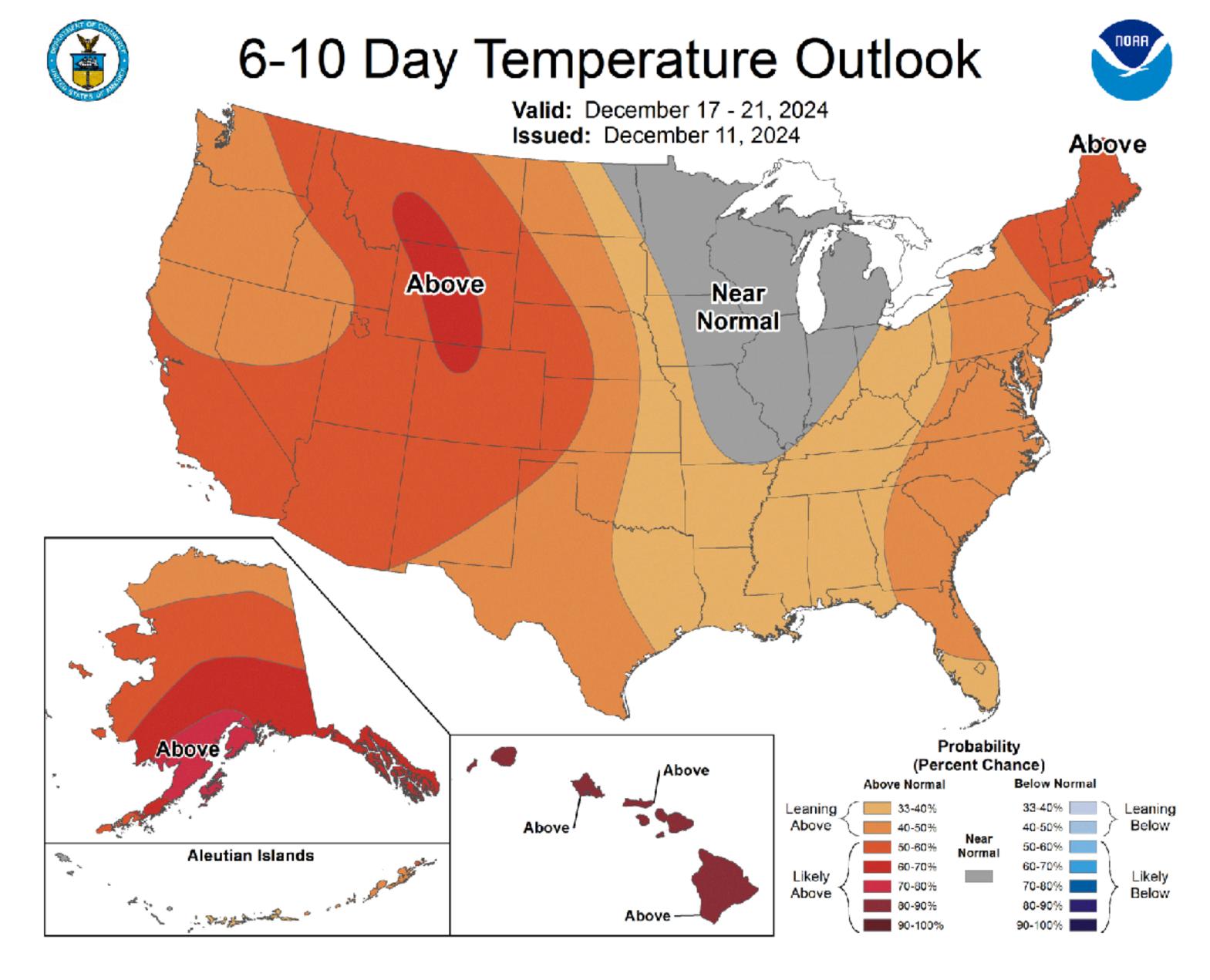




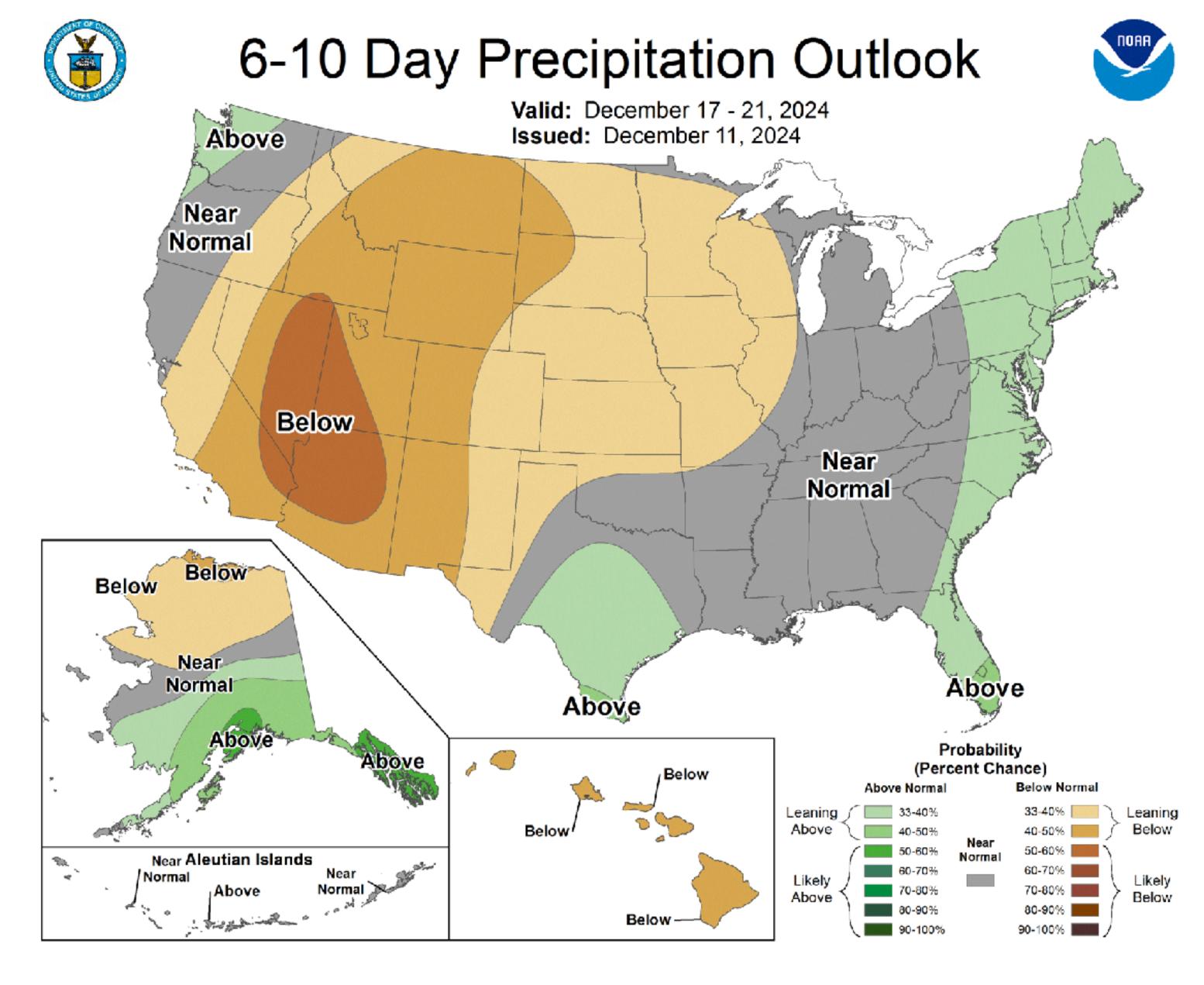




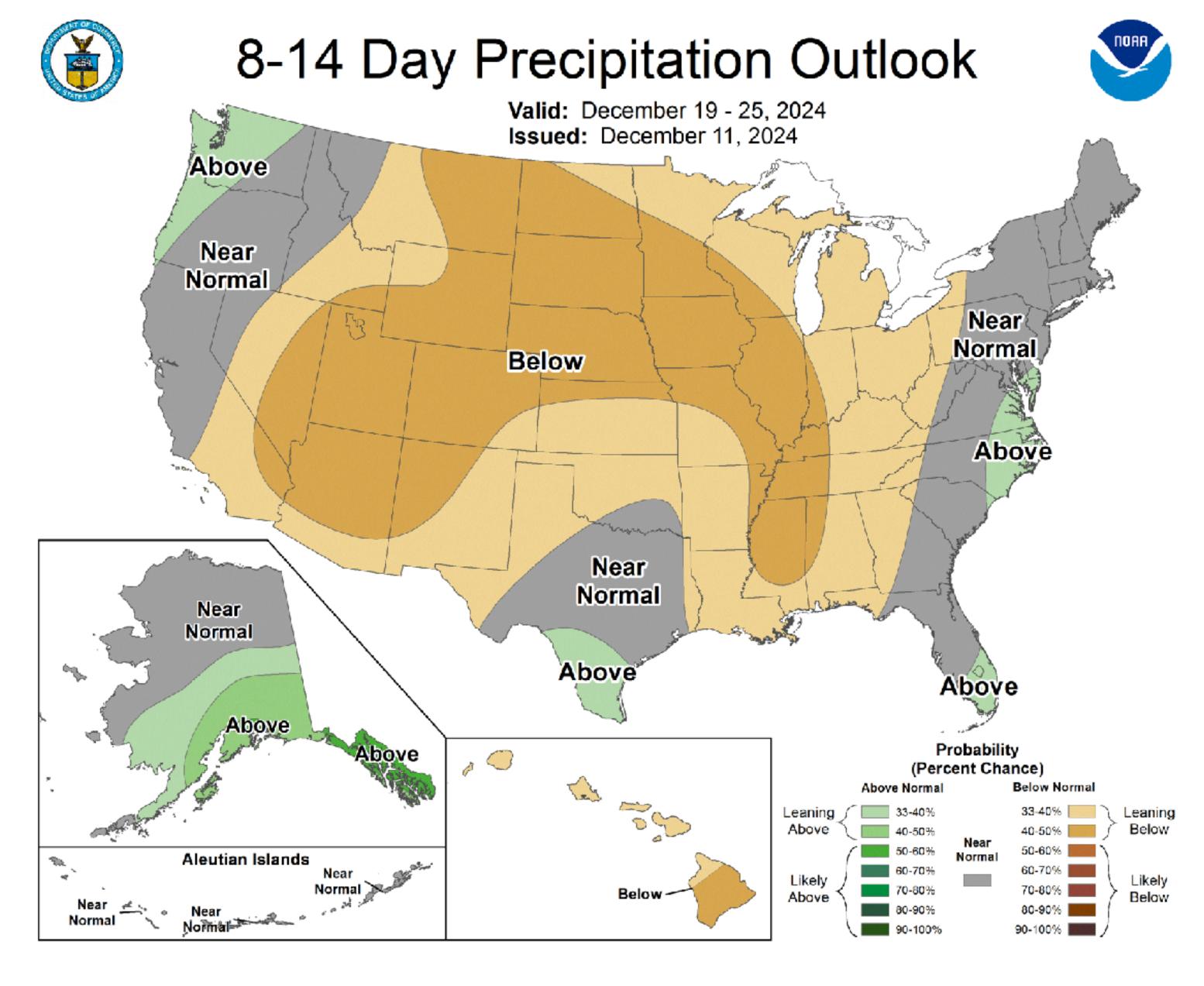




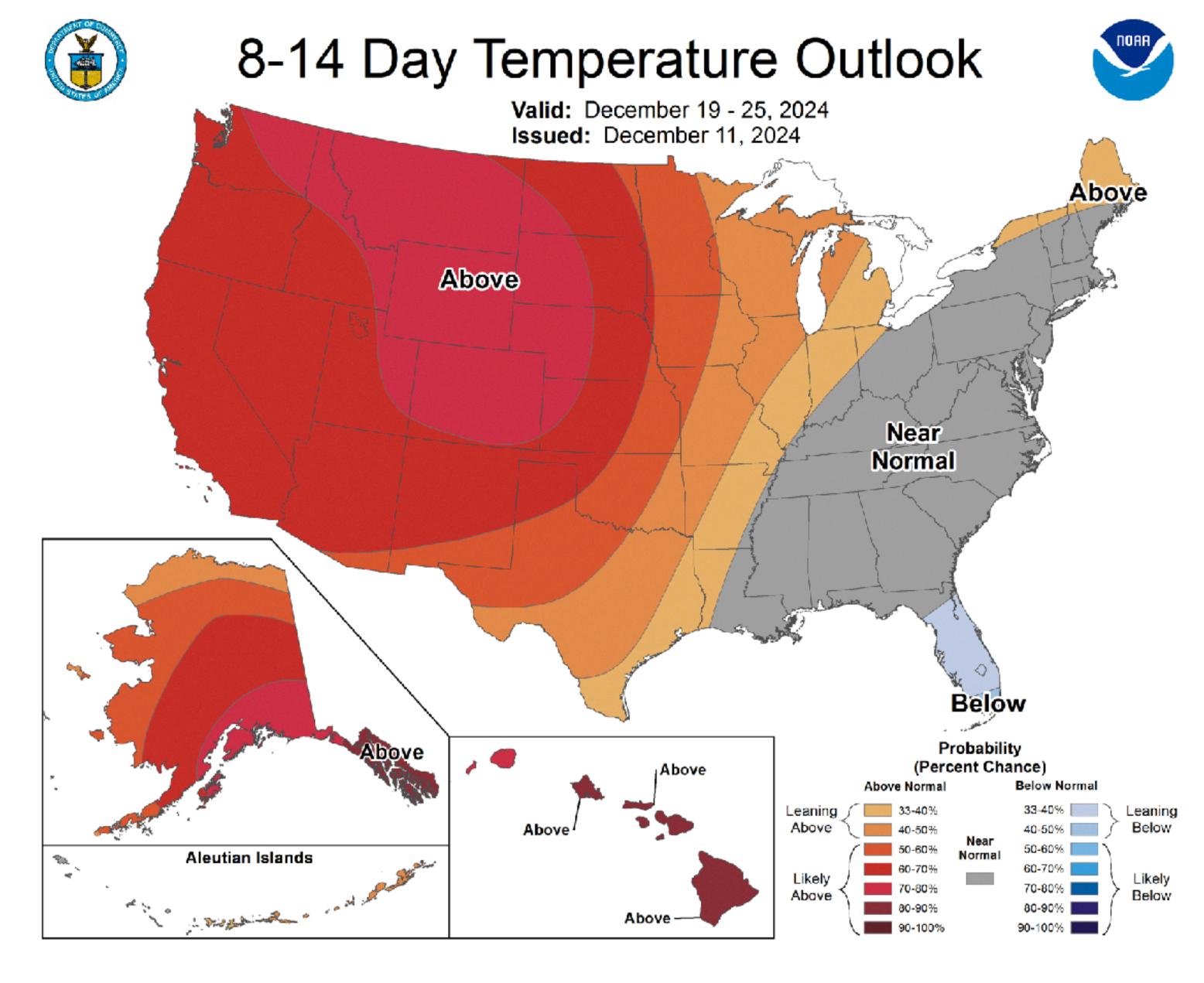
### 6-10 Day Outlook



### 6-10 Day Outlook

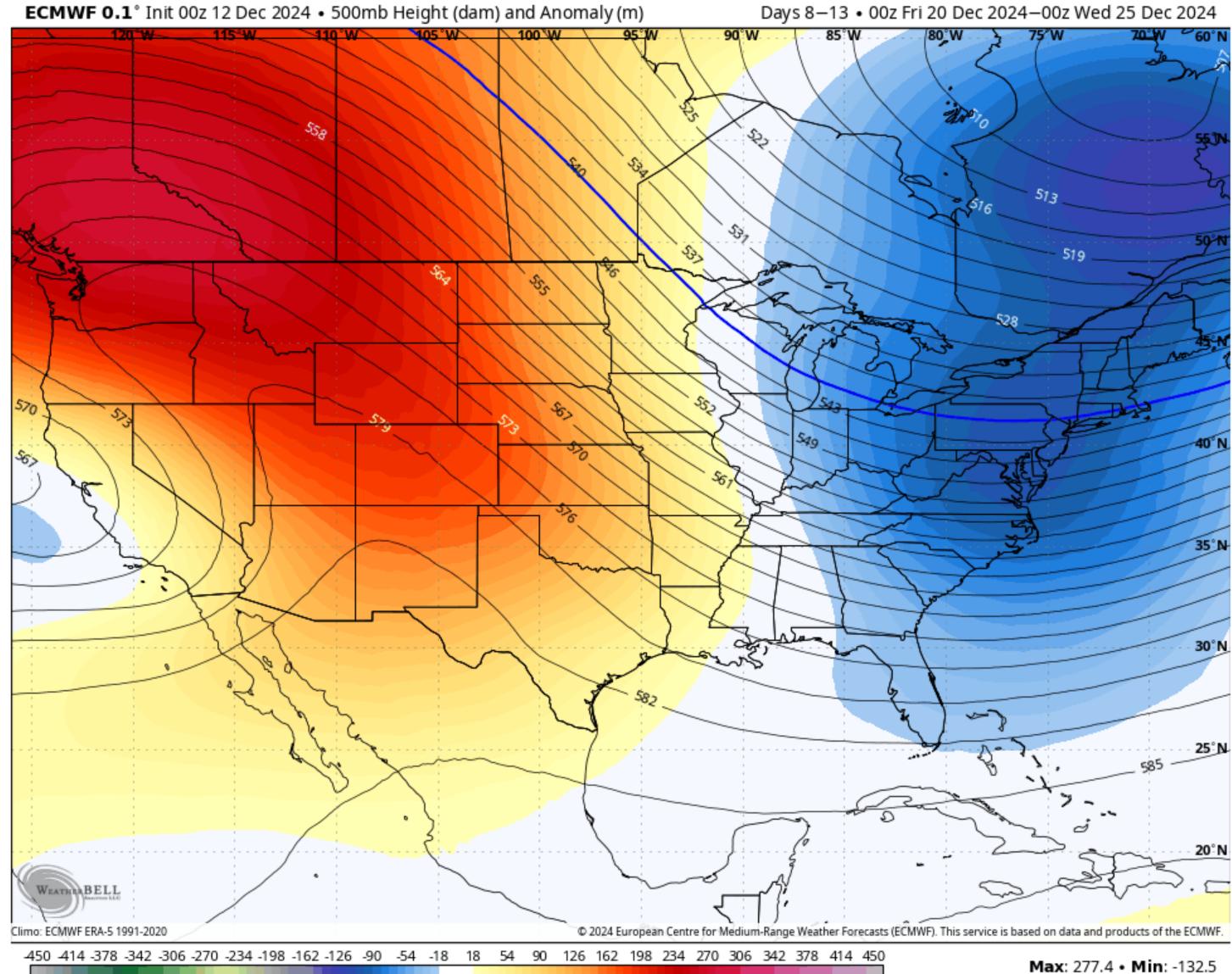


### 8-14 Day Outlook

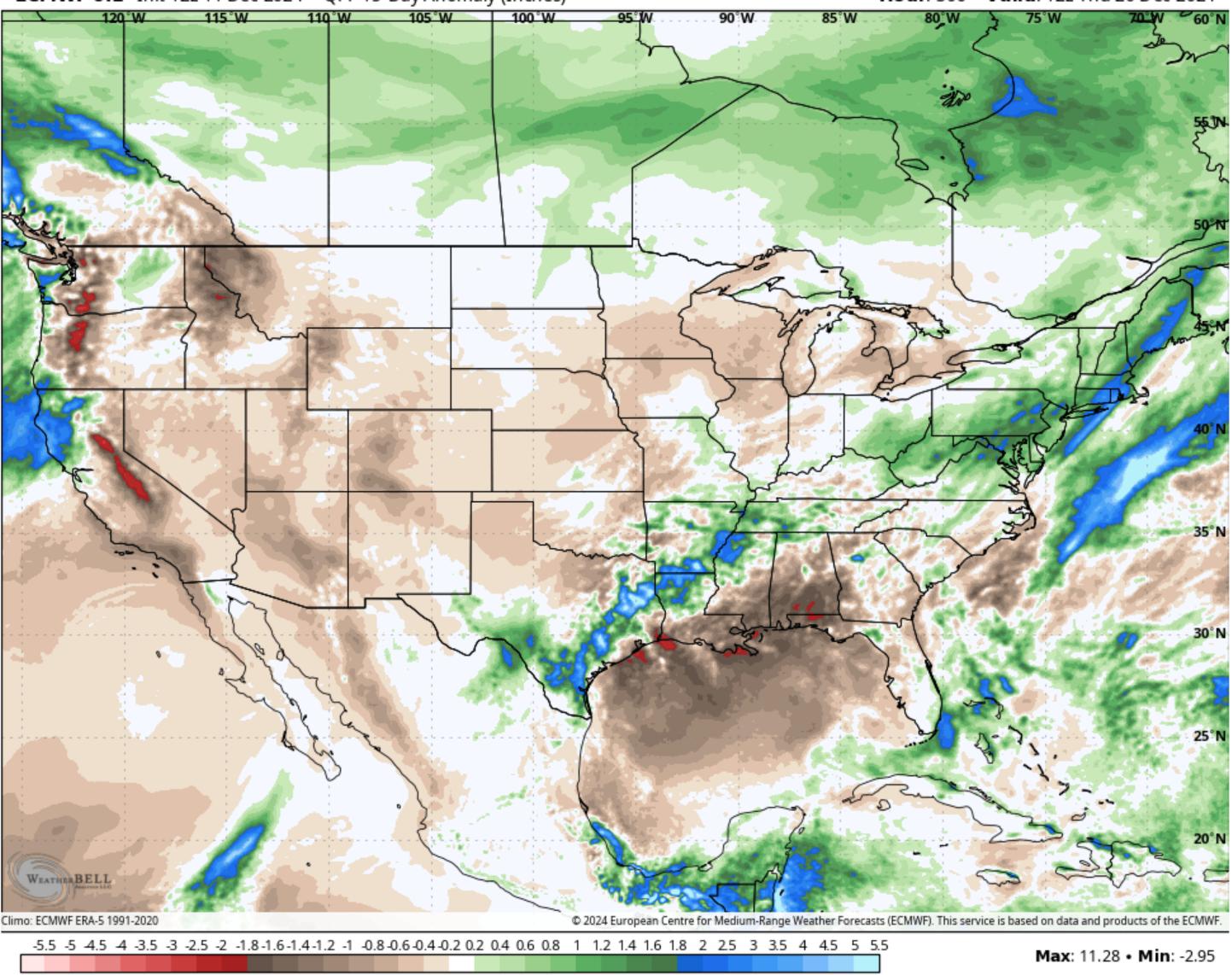


### 8-14 Day Outlook

# Days 8-13 500 mb Heights/Anomalies



# ECMWF 15 Day Precipitation Anomaly



ECMWF 0.1° Init 12z 11 Dec 2024 • QPF 15-Day Anomaly (Inches)

Hour: 360 • Valid: 12z Thu 26 Dec 2024

# Summary

### No Major Storms foreseen in next couple of weeks

### Weaker systems with snow and potential wind

### Temperatures looks to be above average rest of month

### Soils are most frozen to 8-12" across the state

# Little Change to Drought Conditions



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