

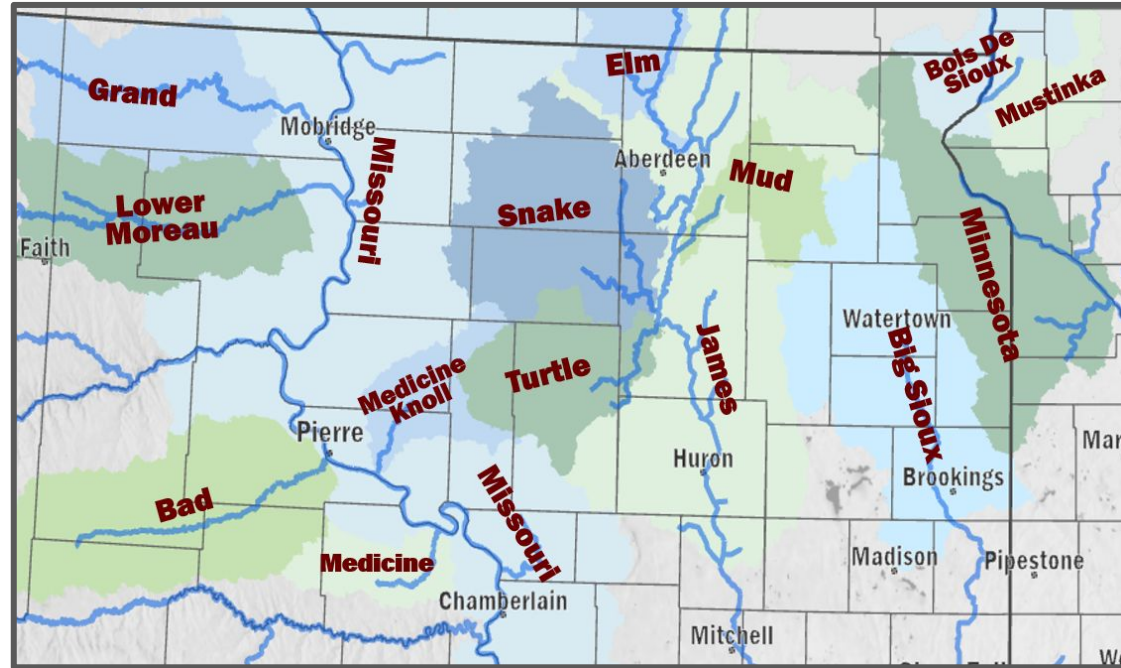


Spring 2025 Flood Outlook

90 Day Outlook Valid through May

Key Messages

- Below normal (< 50%) chance of flooding the next 90 days
- Flooding Risk would increase if the following were to occur:
 - ◆ Significant additional snowfall
 - ◆ A heavy rain event



Final Update





2025 Spring Flood Outlook

90 Day Outlook Valid through May

Key Messages

- With a lack of snow cover across the area, along with ongoing drought conditions, the forecast currently points toward a **below normal flood risk** this spring.
- Additional heavy precipitation events through early spring could change the flood risk.
- A significant early spring storm system will bring widespread precipitation to eastern parts of the region March 14 and 15th. At this time, this precipitation is not expected to result in river flooding or result in any significant change to the overall spring river flood outlook.

	Short Term (Next 14 Days)	Long Term (through May)
Snowpack/SWE	Below	Below
Frost Depth	Normal	Below
River Ice	Below	Below
Soil Moisture	Below	Below
River Levels	Below	Below
Precipitation Outlook	Normal	Normal

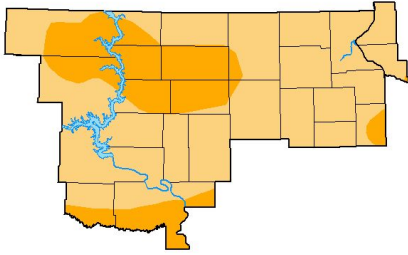
Potential Impact (On River Flooding)	Below Normal	Normal	Above Normal
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Departure From Normal Precipitation/Temperatures

U.S. Drought Monitor Aberdeen, SD WFO



March 11, 2025

(Released Thursday, Mar. 13, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	27.25	0.00	0.00
Last Week 03-04-2025	0.00	100.00	100.00	26.26	0.00	0.00
3 Months Ago 12-03-2024	0.00	100.00	100.00	11.13	0.00	0.00
Start of Calendar Year 01-01-2025	0.00	100.00	100.00	11.13	0.00	0.00
Start of Water Year 10-01-2024	28.86	71.14	6.68	0.00	0.00	0.00
One Year Ago 03-13-2024	52.67	47.33	2.65	0.00	0.00	0.00

Intensity



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

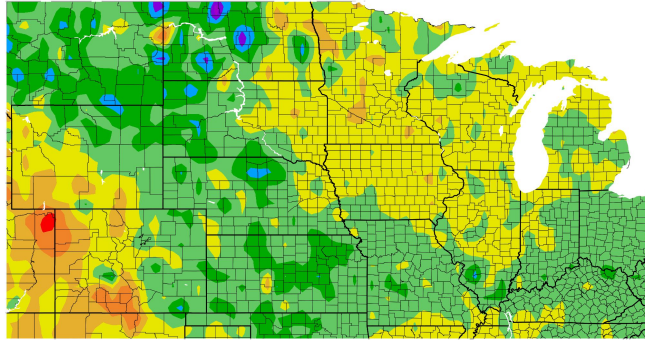
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

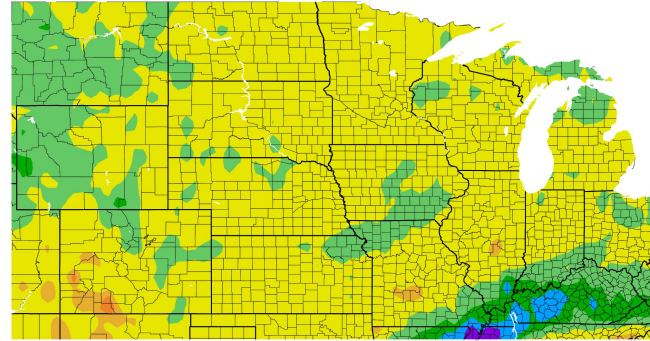
- 90 day average temperatures have trended near to below normal along and west of the Missouri River and near to above normal for points east.
- 90 day average precipitation has trended below normal.
- A very dry fall has pushed the entire region into drought conditions.

90 Day - Departure From Normal Temperatures



generated 3/13/2025 at HPRCC using provisional data. NOAA Regional Climate Centers

90 Day - Departure From Normal Precipitation



generated 3/13/2025 at HPRCC using provisional data. NOAA Regional Climate Centers



National Oceanic and Atmospheric Administration

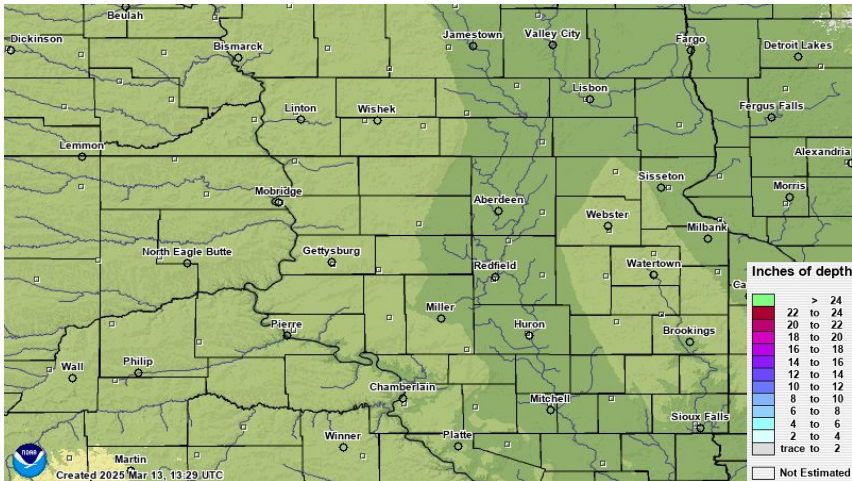
U.S. Department of Commerce

National Weather Service
Aberdeen, SD

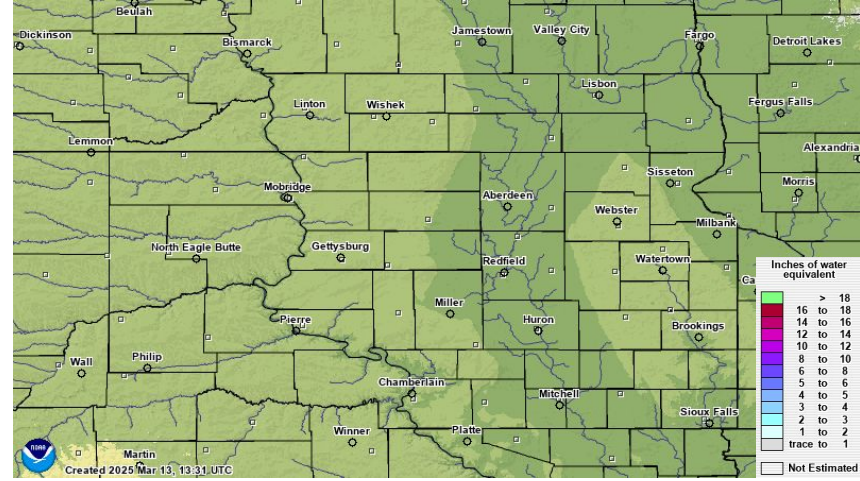


Snow Depth and Snow Water Equivalent (SWE)

Snow Depth



Snow Water Equivalent



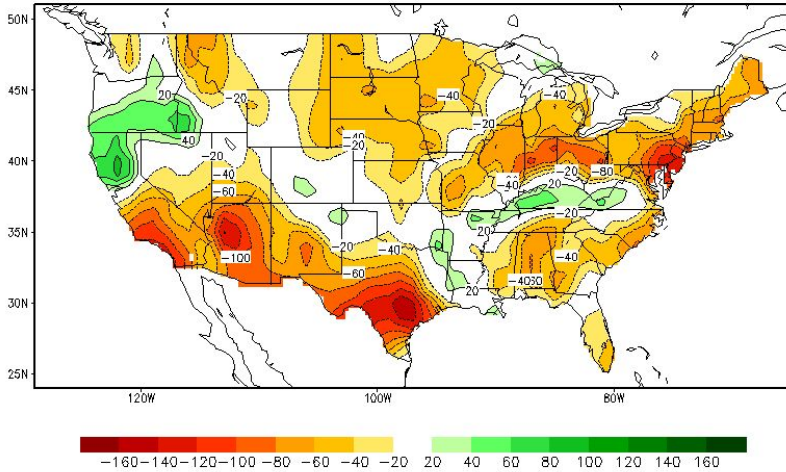
→ There is currently no snow across the region, so snowmelt is not a concern.





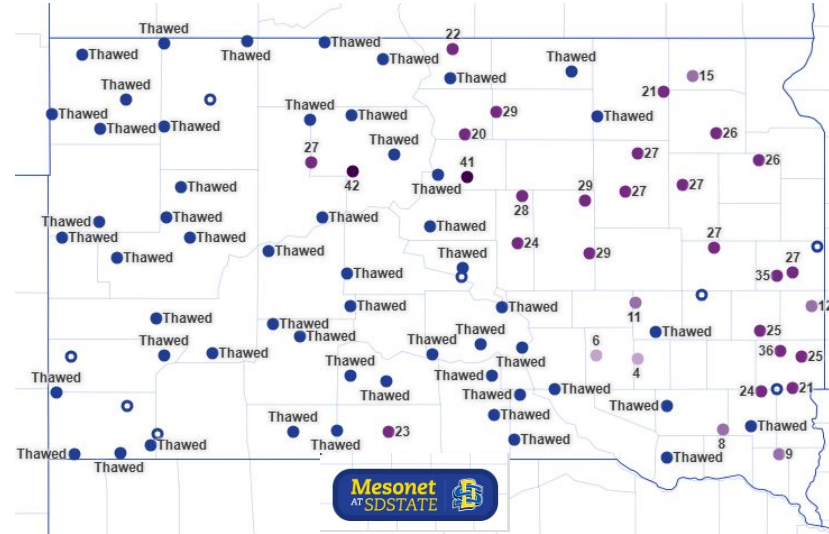
Soil Moisture and Temperatures/Frost Depth

Calculated Soil Moisture Anomaly (mm)
MAR 12, 2025



Soil Moisture Anomaly

Frost Depth



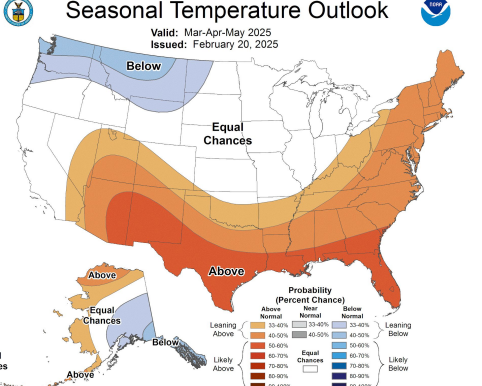
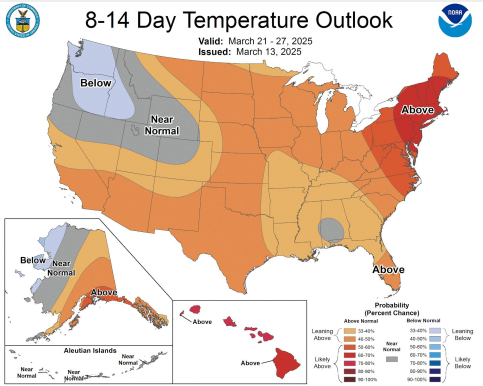
- Soil moisture is below normal across the entire area.
- The entire region is in Moderate to Severe drought conditions.
- While many locations are still reporting frost, some thawing of the top layer has occurred and the remaining frost is likely now 'primed' for removal. This will aid in ability of soils to absorb any moisture that occurs.





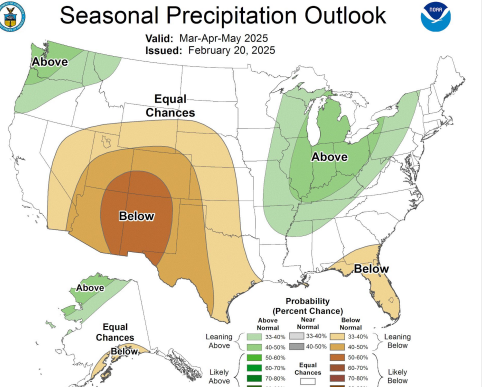
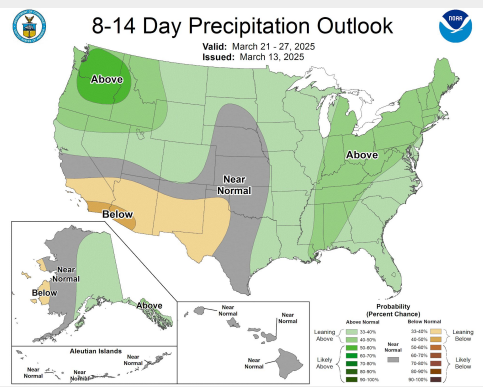
Precipitation and Temperature Outlook

Temperature



→ The 8-14 day outlook for the dates of March 21-27 is for increased chances for above normal temperatures. As far as precipitation is concerned, trends lean toward slightly above normal across portions of northern South Dakota and Minnesota.

Precipitation



→ The 90 day outlook for March through May indicates equal chances for below, near or above normal temperatures and precipitation.



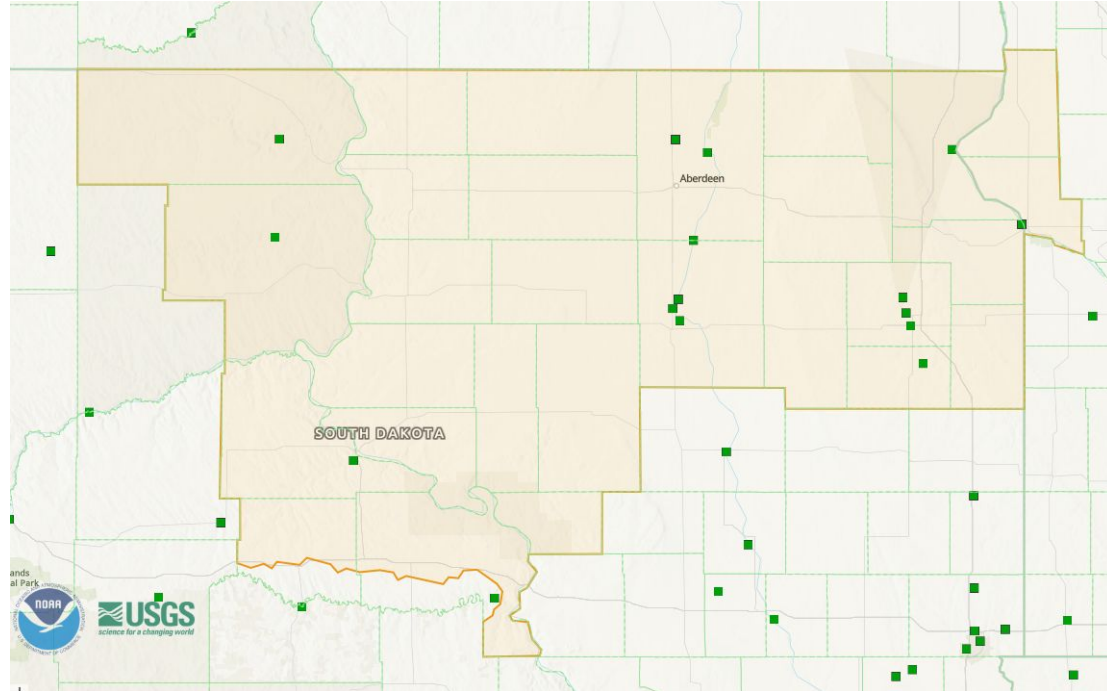


Flood Chances

90 Day Outlook Valid through April

- Current conditions across the area point toward a low spring flood threat as the most likely scenario.
- A less than 50% chance of reaching flood stage exists at all of the river forecast points in the area.

Most Likely Flood Potential (50% Chance)





Flood Outlook Summary

90 Day Outlook Valid through May

Key Messages

- The **spring river flood risk is below normal** for the next 90 days across the immediate region.
- Future significant precipitation events could change the flood risk going into early spring.
- This is the final official spring flood outlook update.

River	90 Day Flood Risk
Missouri	BELOW NORMAL
Grand	BELOW NORMAL
Moreau	BELOW NORMAL
Bad	BELOW NORMAL
Elm	BELOW NORMAL
James	BELOW NORMAL
Big Sioux	BELOW NORMAL
Minnesota	BELOW NORMAL





Flood and Outlook Resources

National Weather Service - Aberdeen
[weather.gov/abr](https://www.weather.gov/abr)

Advanced Hydrologic Prediction Service Page
<https://water.noaa.gov/wfo/abr>

Snow Depth/SWE Information (NOHRSC)
nohrsc.noaa.gov/interactive/html/map.html

Climate Prediction Center Outlooks
cpc.ncep.noaa.gov/

USGS WaterWatch
waterwatch.usgs.gov/

Flood Safety Information
[weather.gov/safety/flood](https://www.weather.gov/safety/flood)

Additional Flood Outlook Info: <https://water.noaa.gov/wfo/abr>

