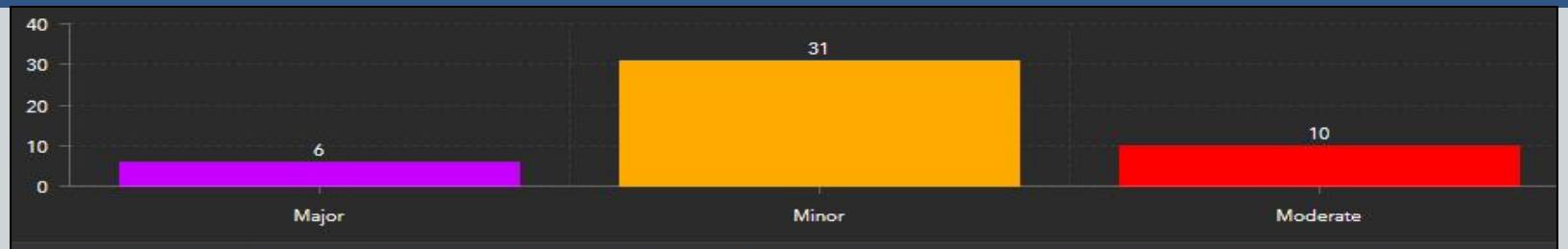
National Weather Service Daily Briefing

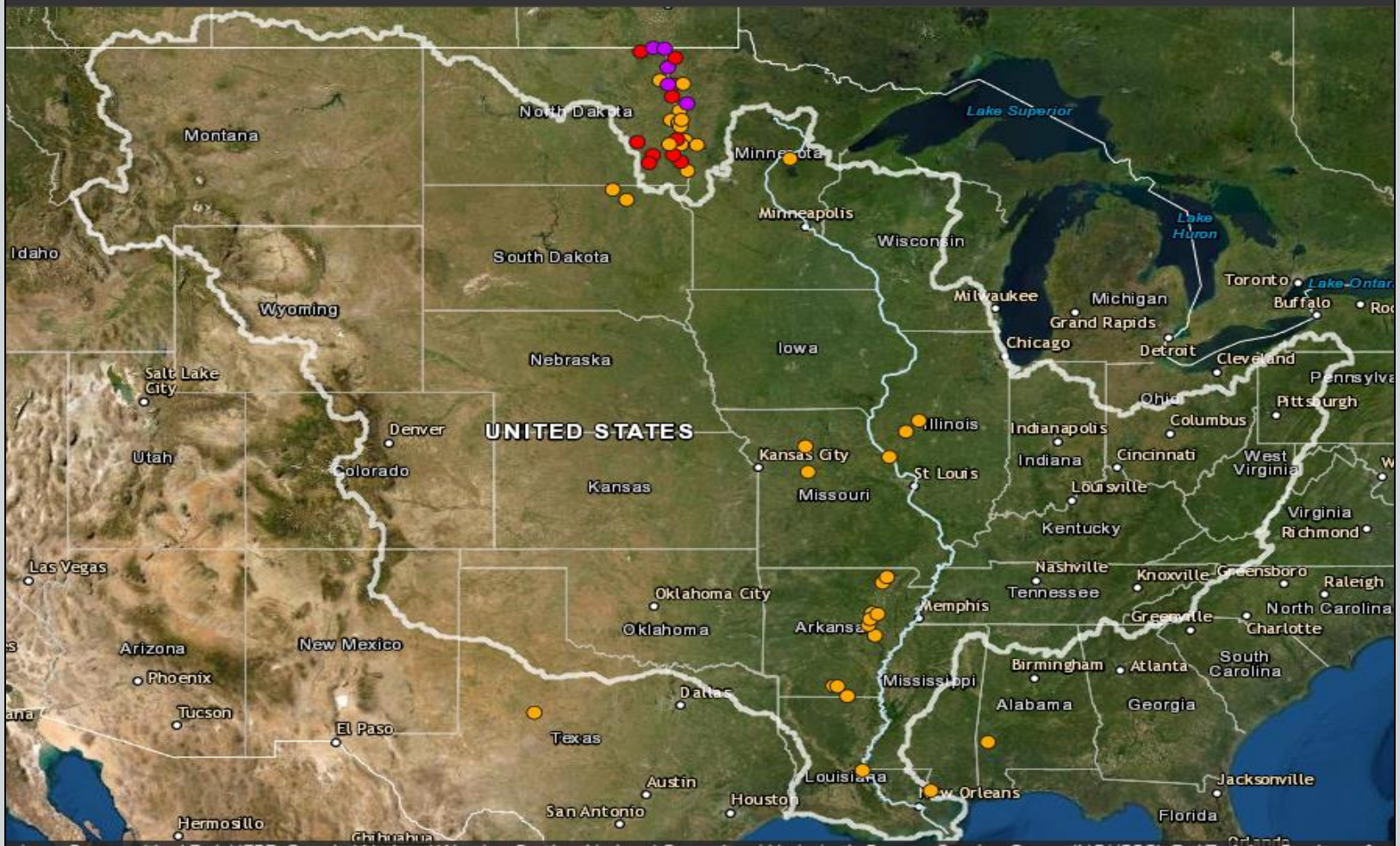
Monday, May 2, 2022

By Anna Wolverton

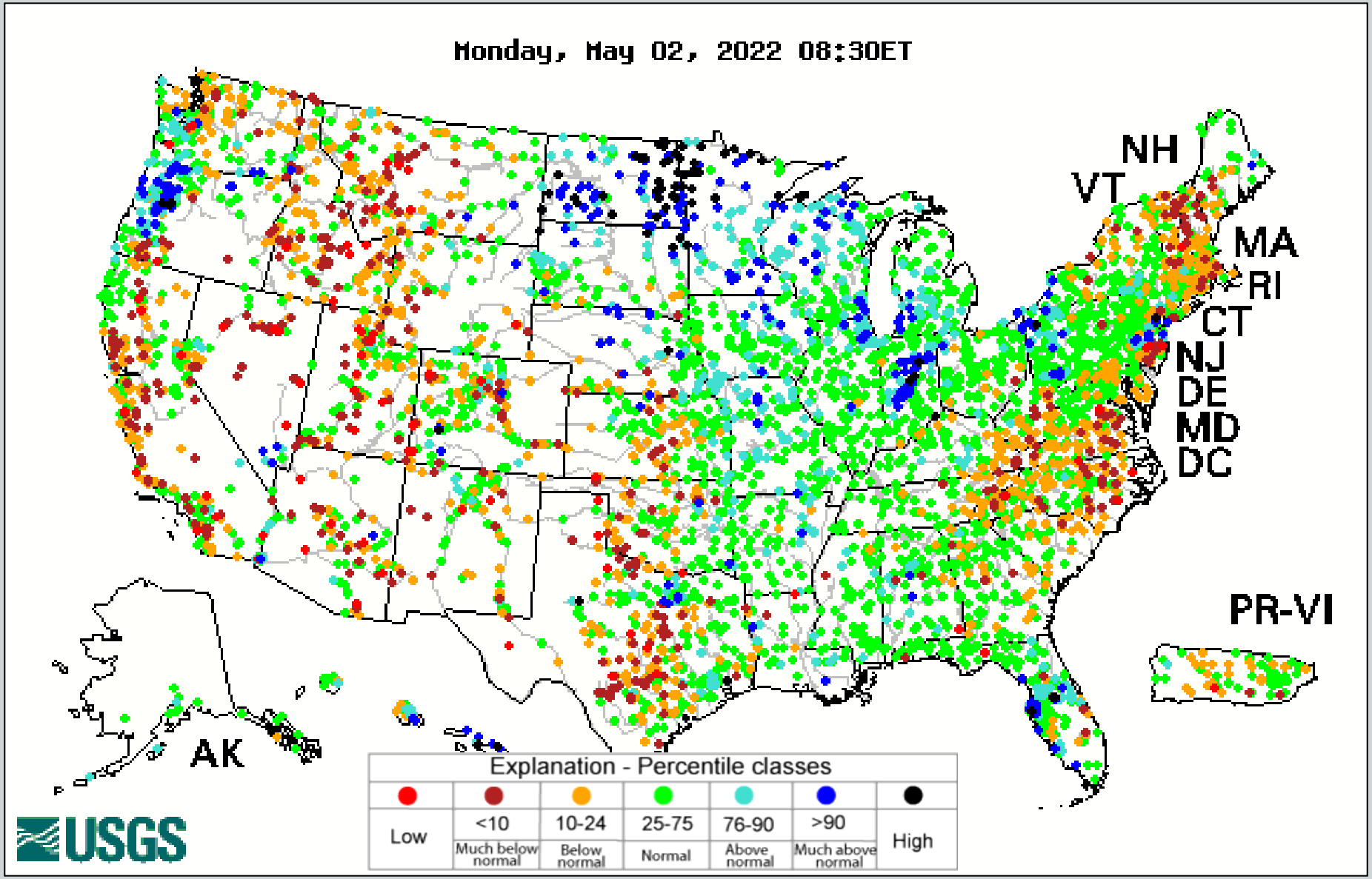
Current Conditions

Current Gauges At or Above Flood Stage





Current Streamflow

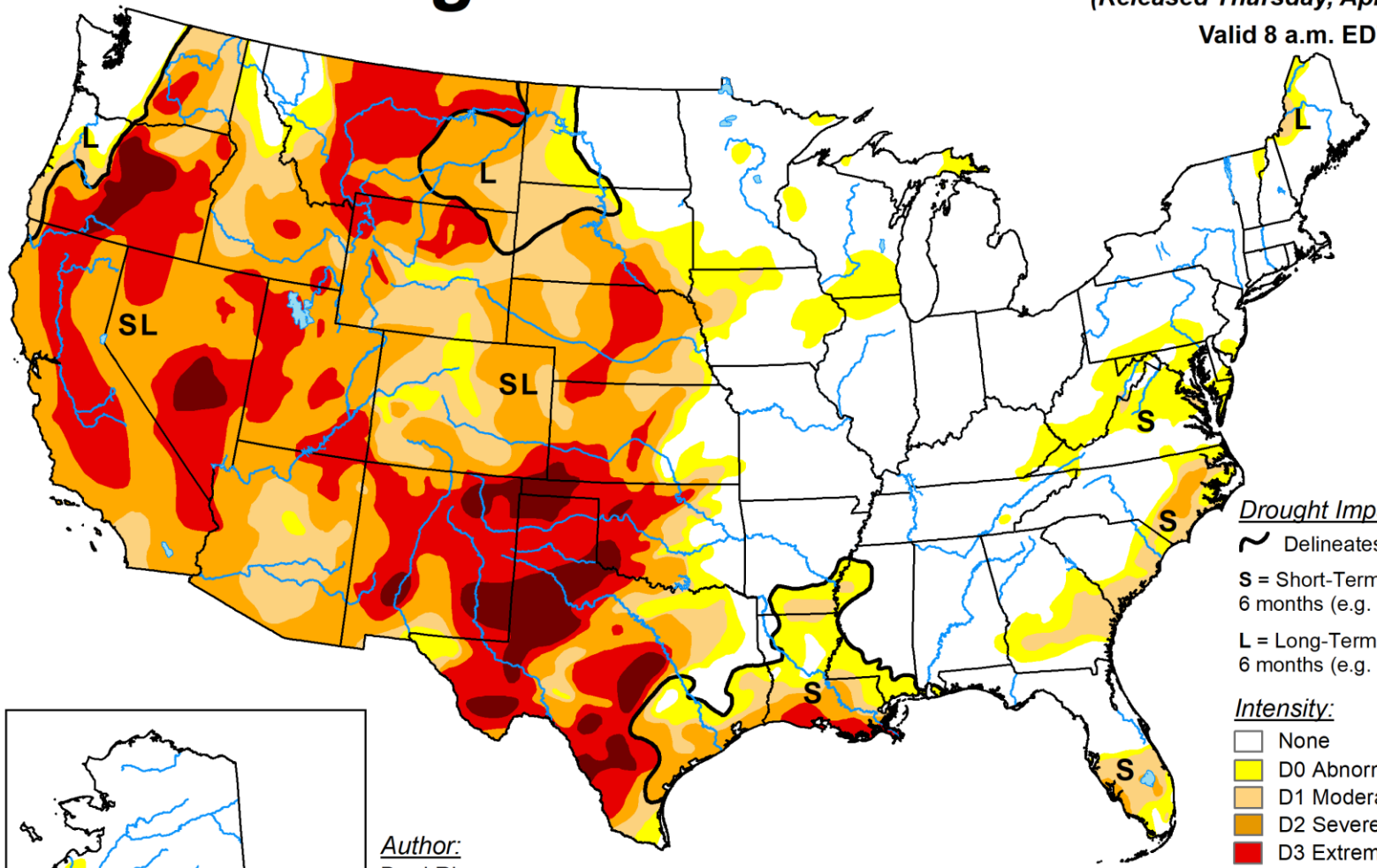


U.S. Drought Monitor

April 26, 2022

(Released Thursday, Apr. 28, 2022)

Valid 8 a.m. EDT



Drought Impact Types:

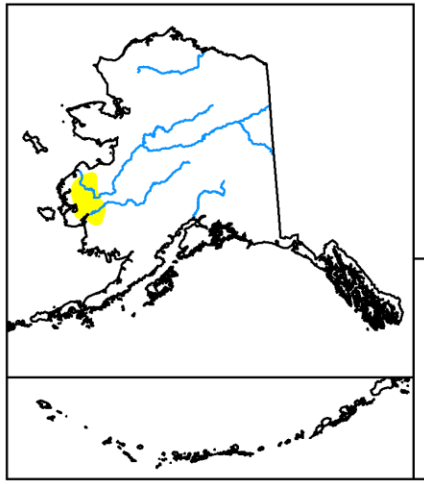
~ Delineates dominant impacts

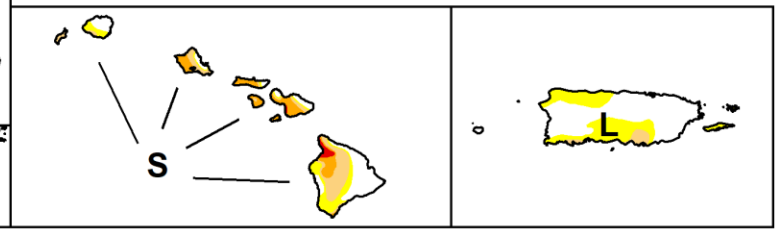
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)

L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought



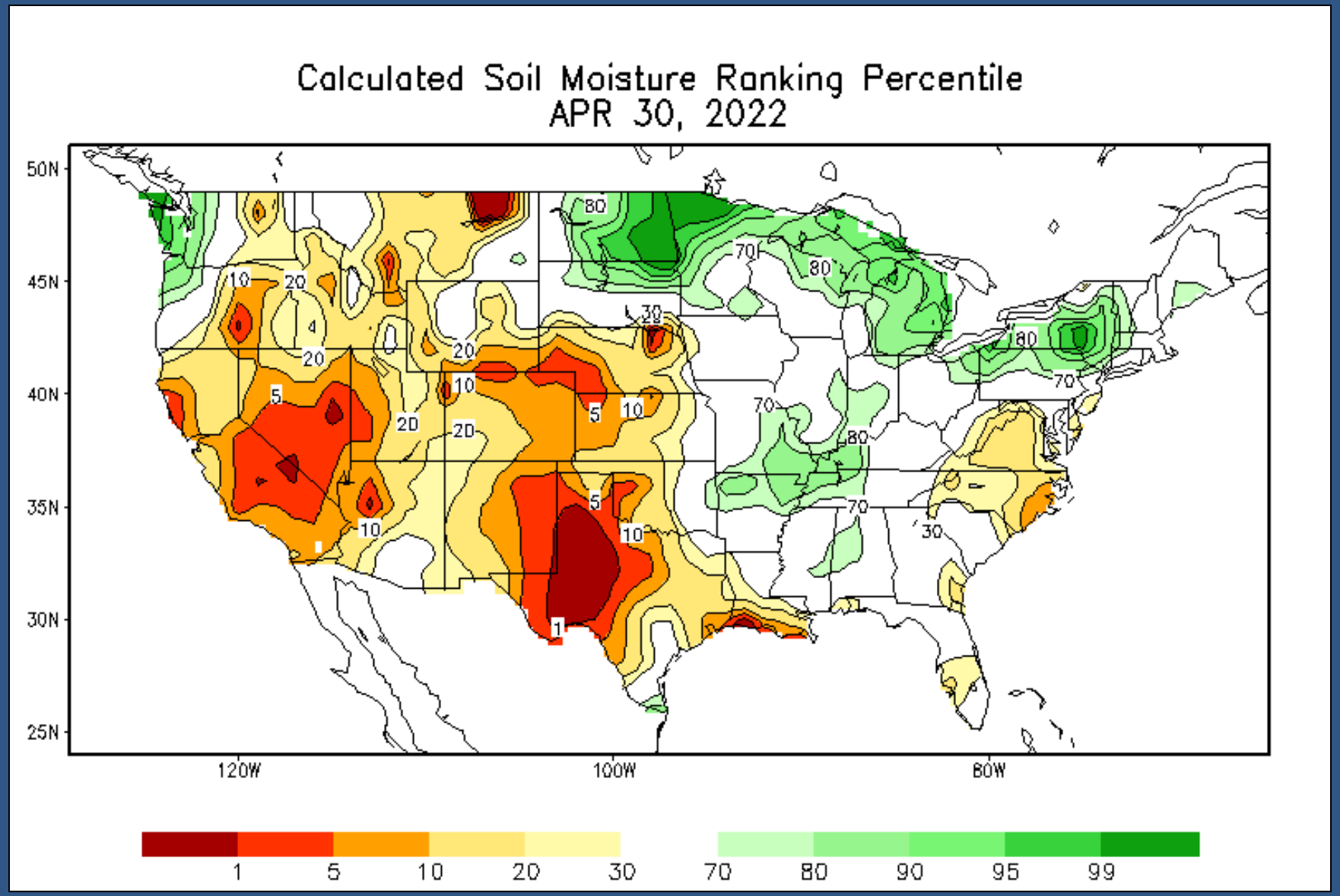


Author:
Brad Rippey
U.S. Department of Agriculture

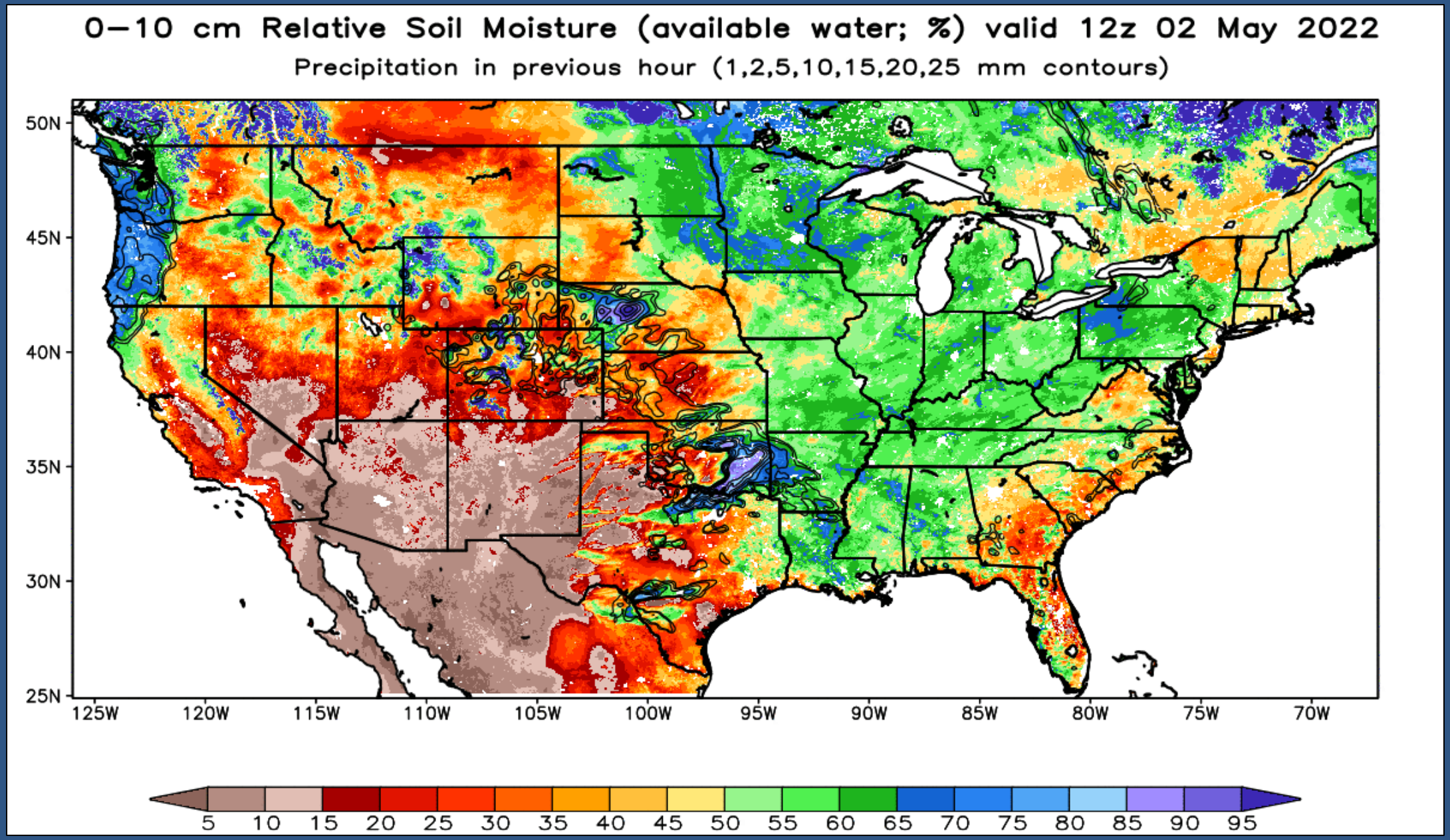
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

droughtmonitor.unl.edu

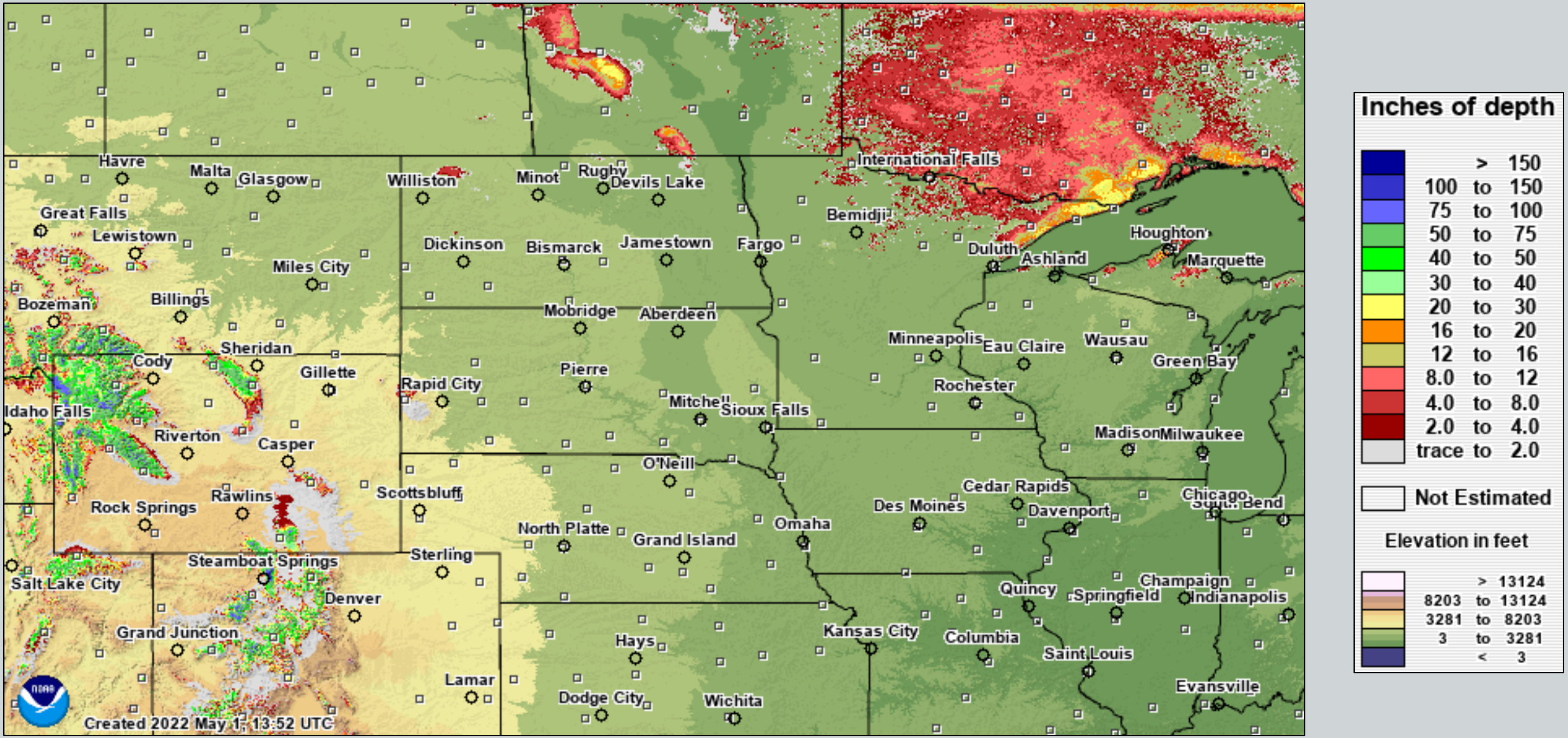
Soil Moisture Percentile



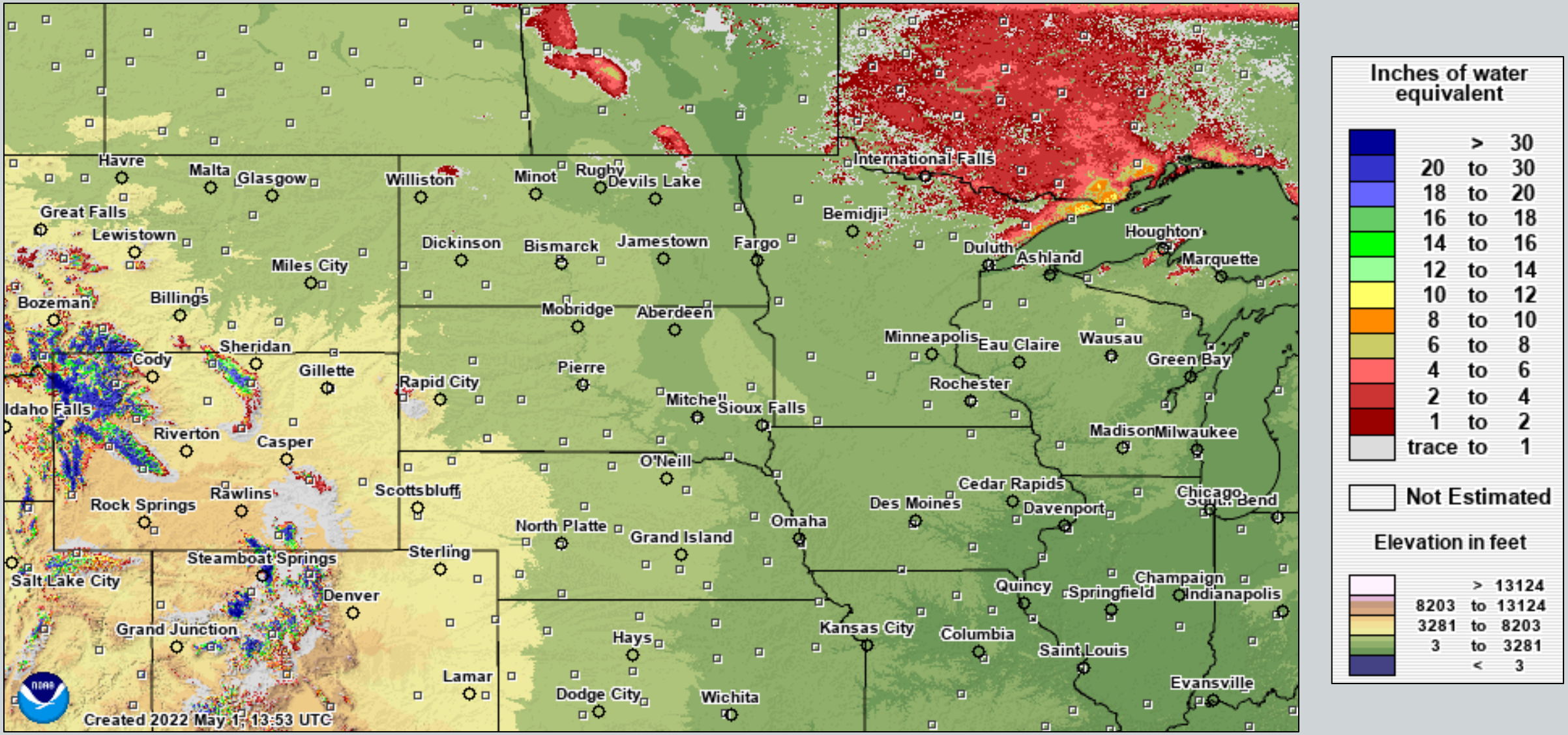
Soil Moisture



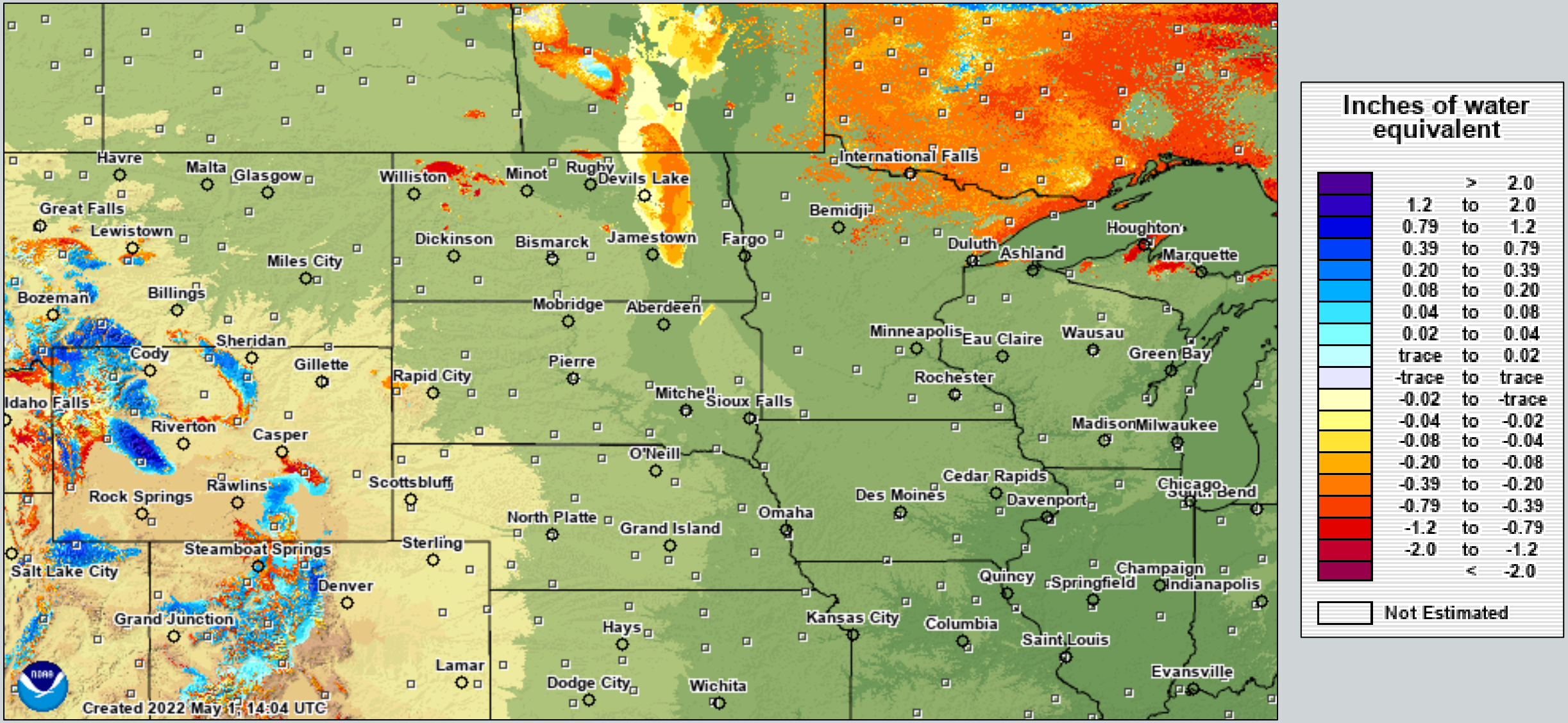
Snow Depth


Havre
Malta
Glasgow
Williston
Minot
Rugby
Devils Lake
International Falls
Great Falls
Lewistown
Bemidji
Dickinson
Bismarck
Jamestown
Fargo
Duluth
Ashland
Houghton
Marquette
Miles City
Billings
Bozeman
Mobridge
Aberdeen
Minneapolis
Eau Claire
Wausau
Green Bay
Sheridan
Cody
Gillette
Pierre
Rapid City
Rochester
Mitchell
Sioux Falls
Idaho Falls
Riverton
Casper
Madison
Milwaukee
O'Neill
Rawlins
Scottsbluff
Cedar Rapids
Chicago
Rock Springs
Des Moines
Davenport
South Bend
North Platte
Omaha
Grand Island
Steamboat Springs
Sterling
Salt Lake City
Denver
Quincy
Springfield
Champaign
Indianapolis
Grand Junction
Kansas City
Columbia
Hays
Saint Louis
Lamar
Evansville
Dodge City
Wichita
Created 2022 May 1, 13:52 UTC
Inches of depth
> 150
100 to 150
75 to 100
50 to 75
40 to 50
30 to 40
20 to 30
16 to 20
12 to 16
8.0 to 12
4.0 to 8.0
2.0 to 4.0
trace to 2.0
Not Estimated
Elevation in feet
> 13124
8203 to 13124
3281 to 8203
3 to 3281
< 3

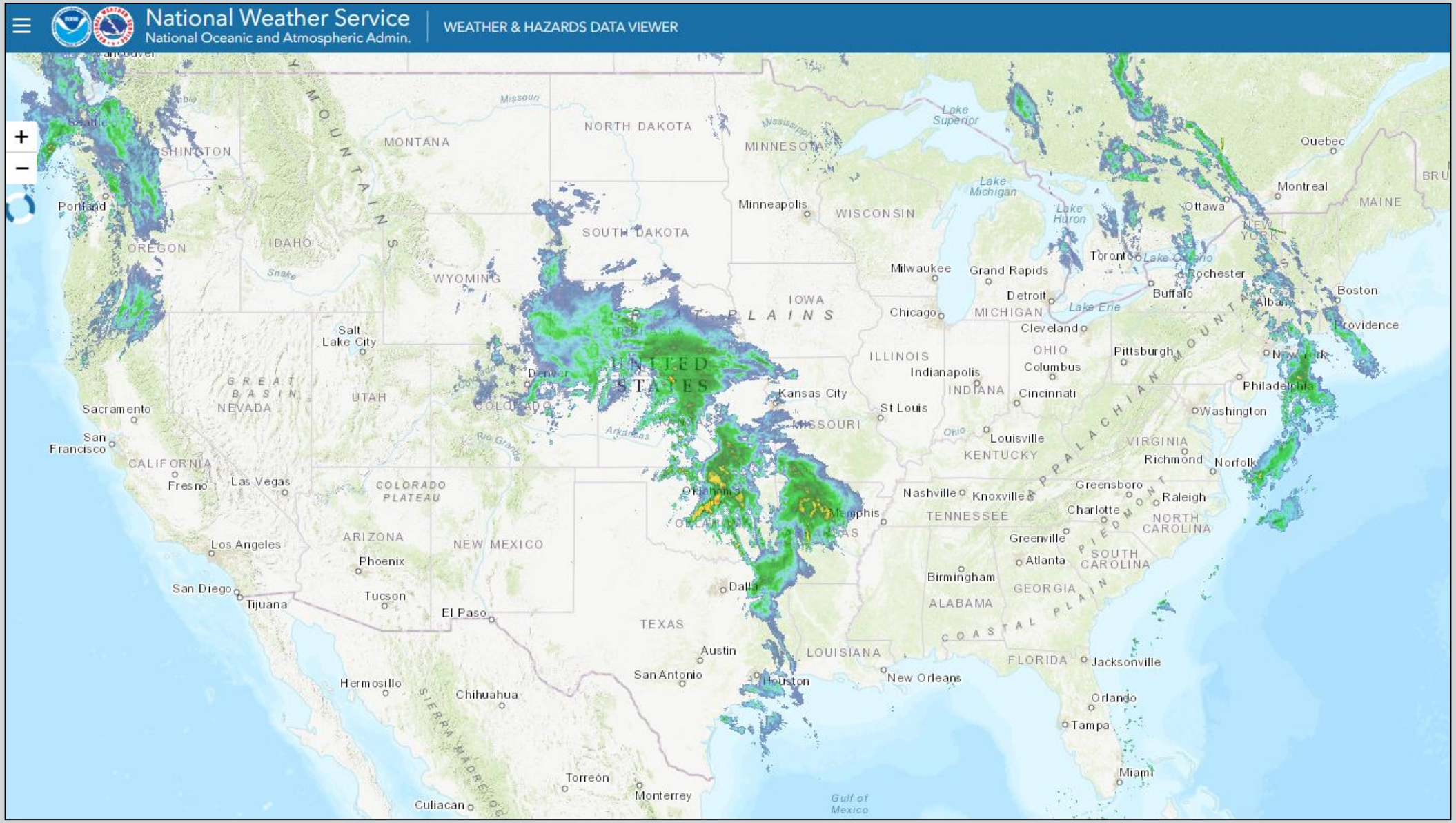
Snow Water Equivalent



24 hr Change in SWE

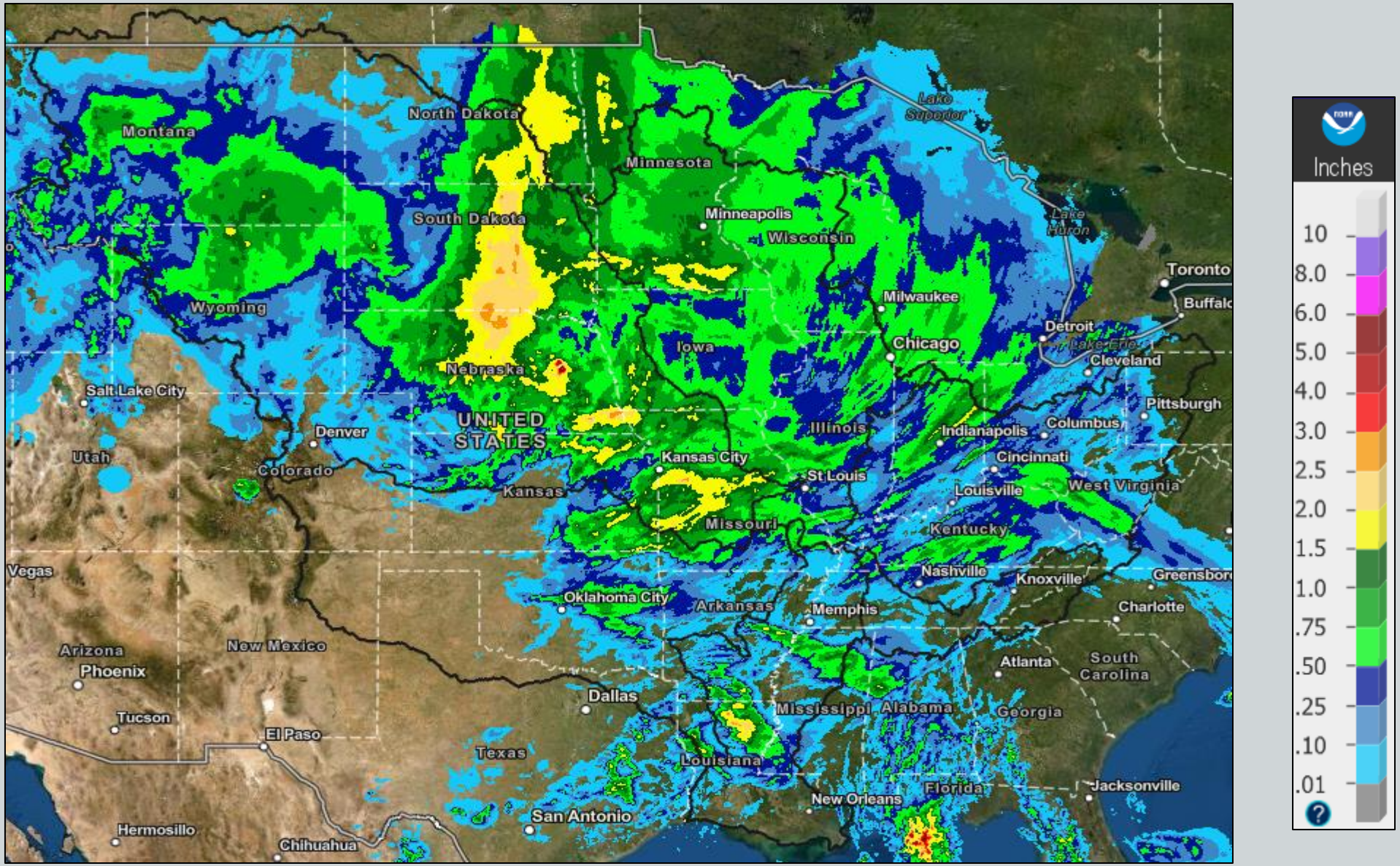


Current Radar

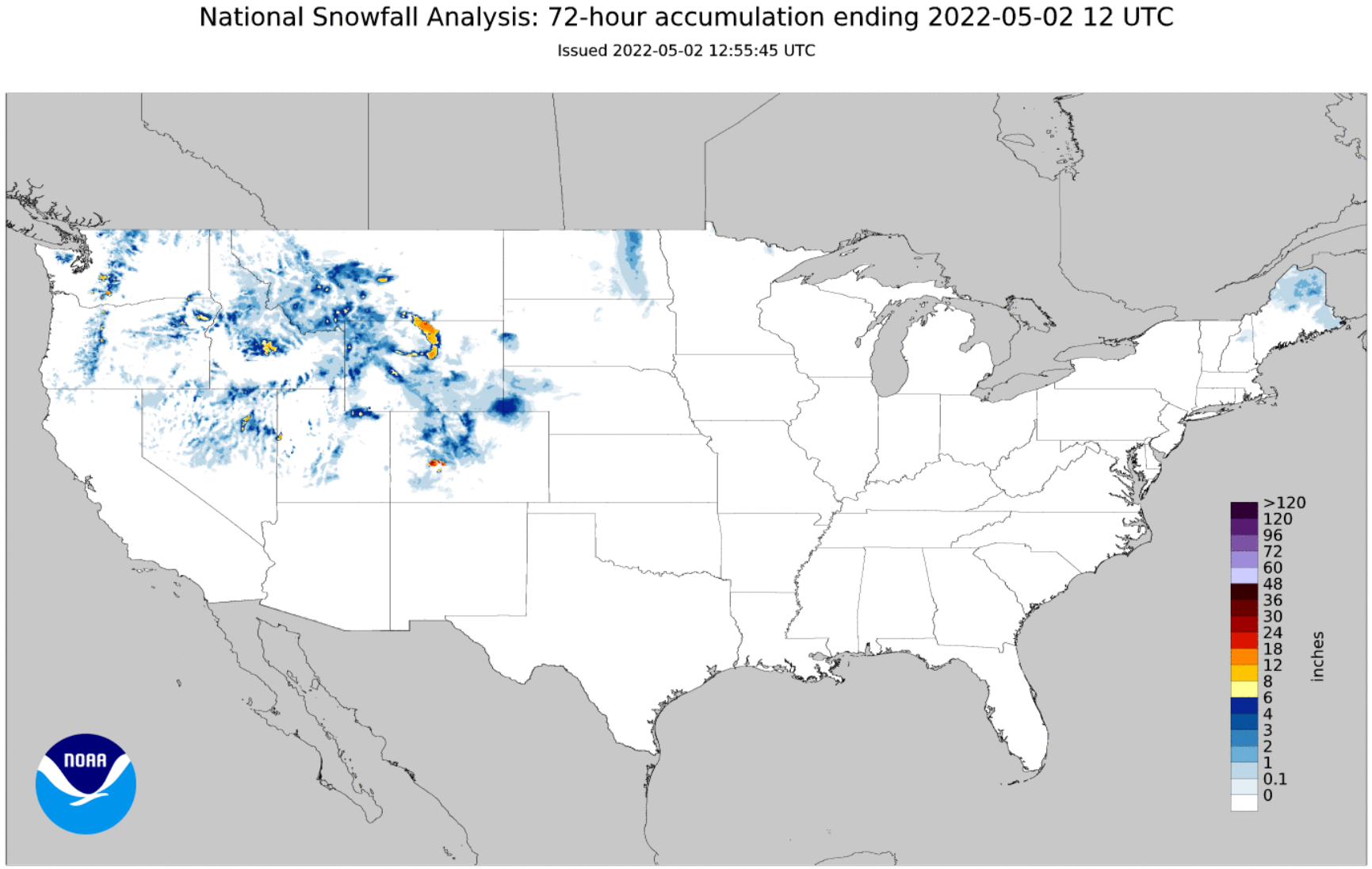


Past Precipitation

Past 72 hr Precip Ending at 7 AM

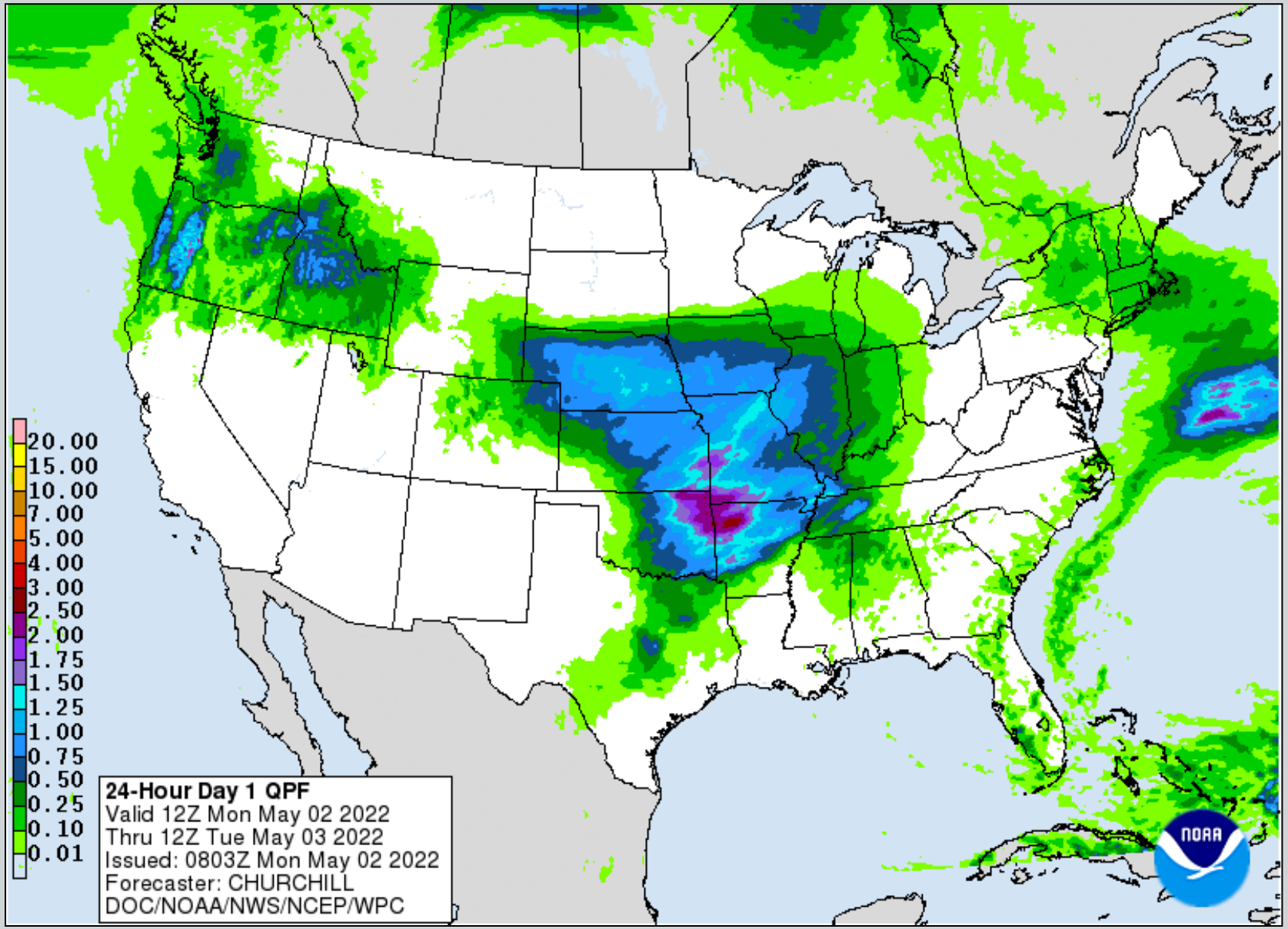


72 hr Snowfall Ending at 7 AM

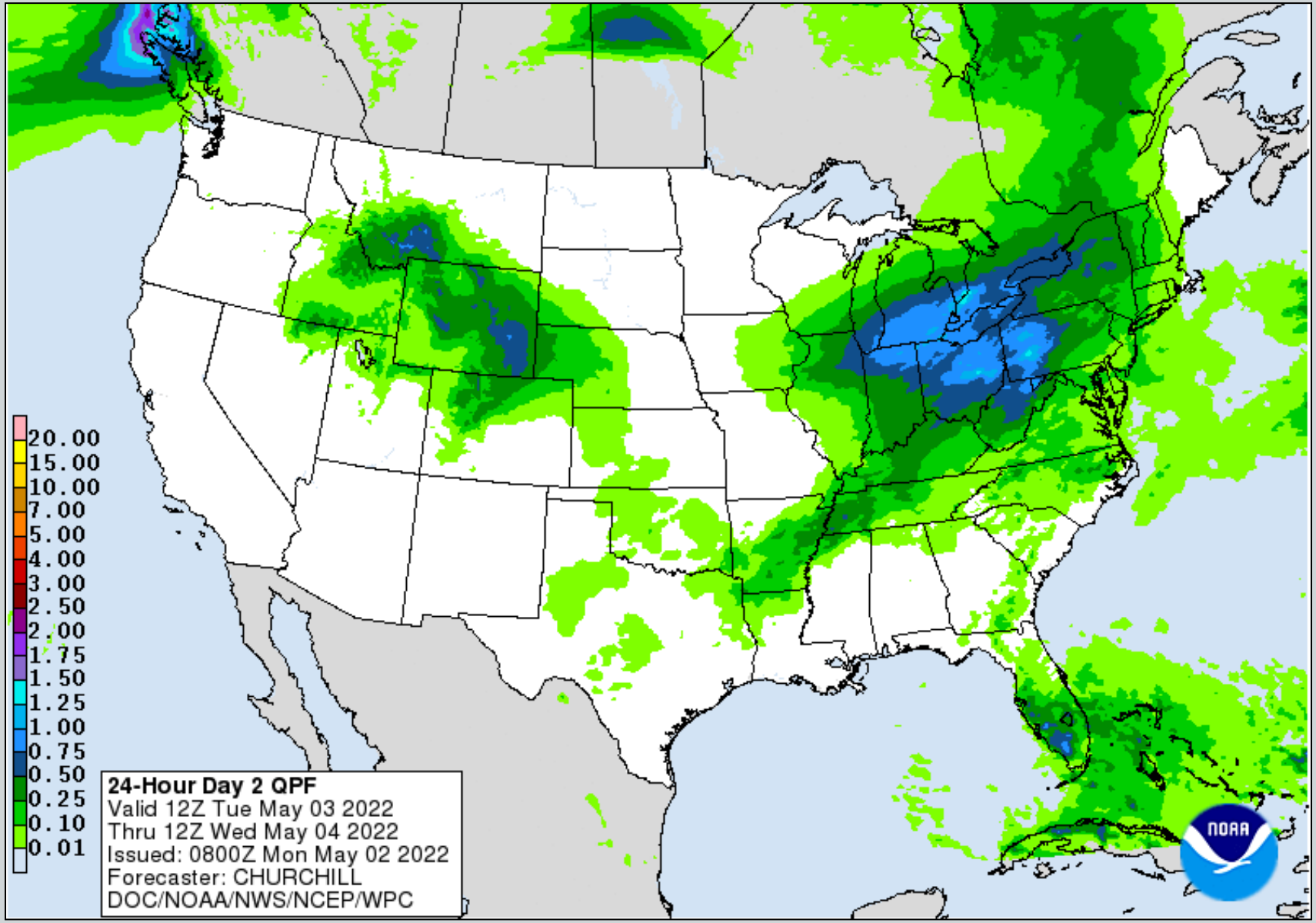


Forecast Precipitation

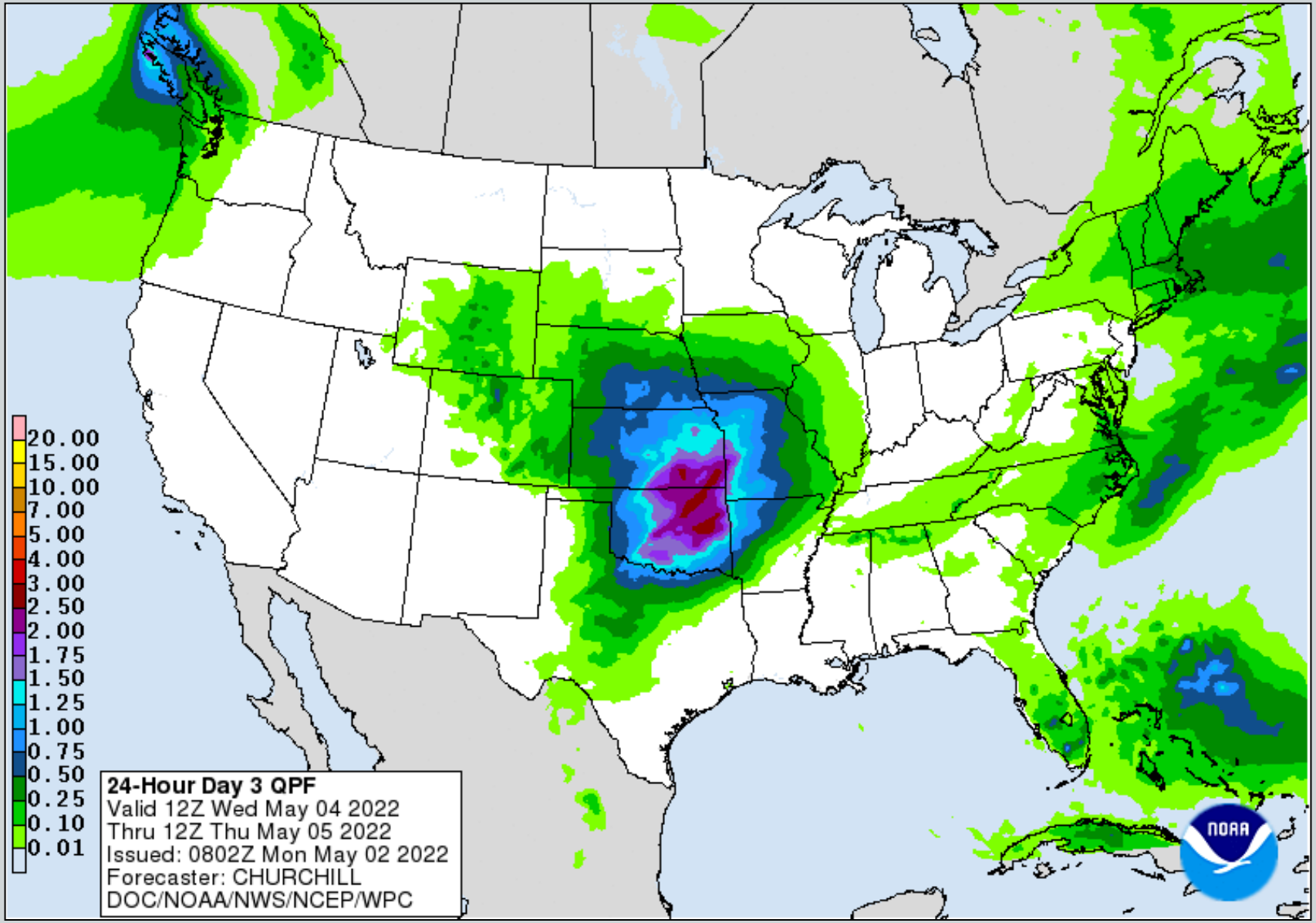
Day 1 Precip Forecast



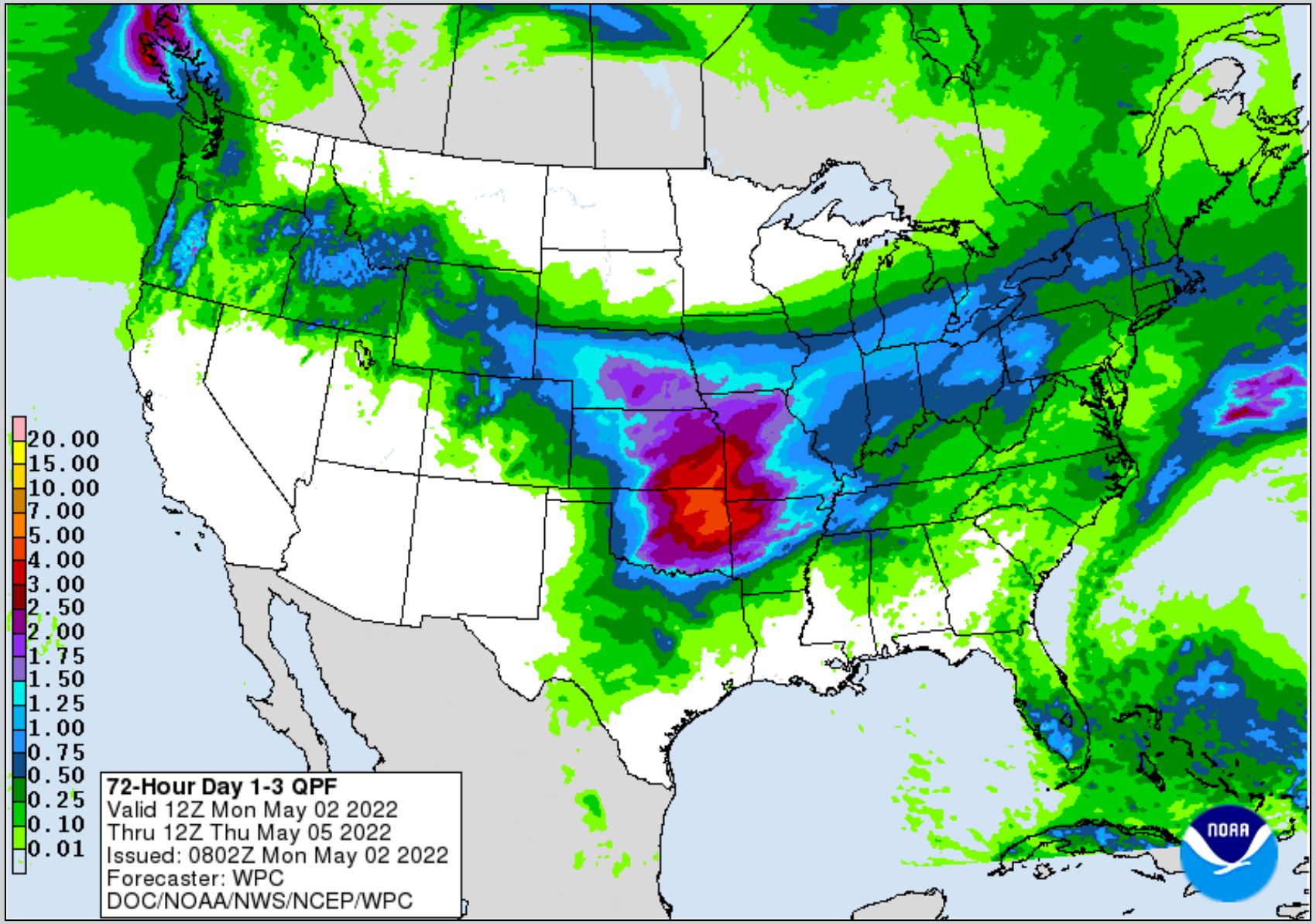
Day 2 Precip Forecast



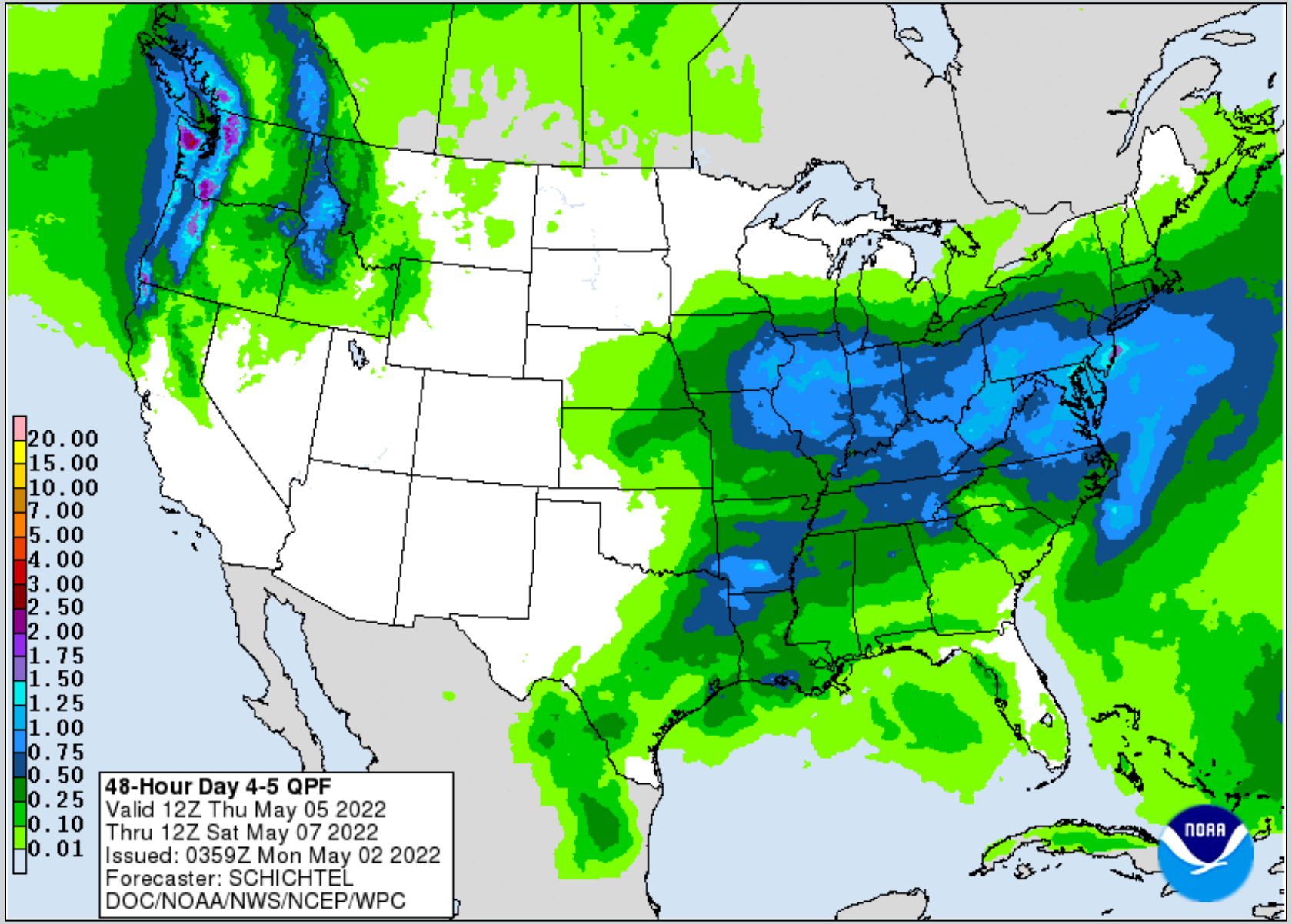
Day 3 Precip Forecast



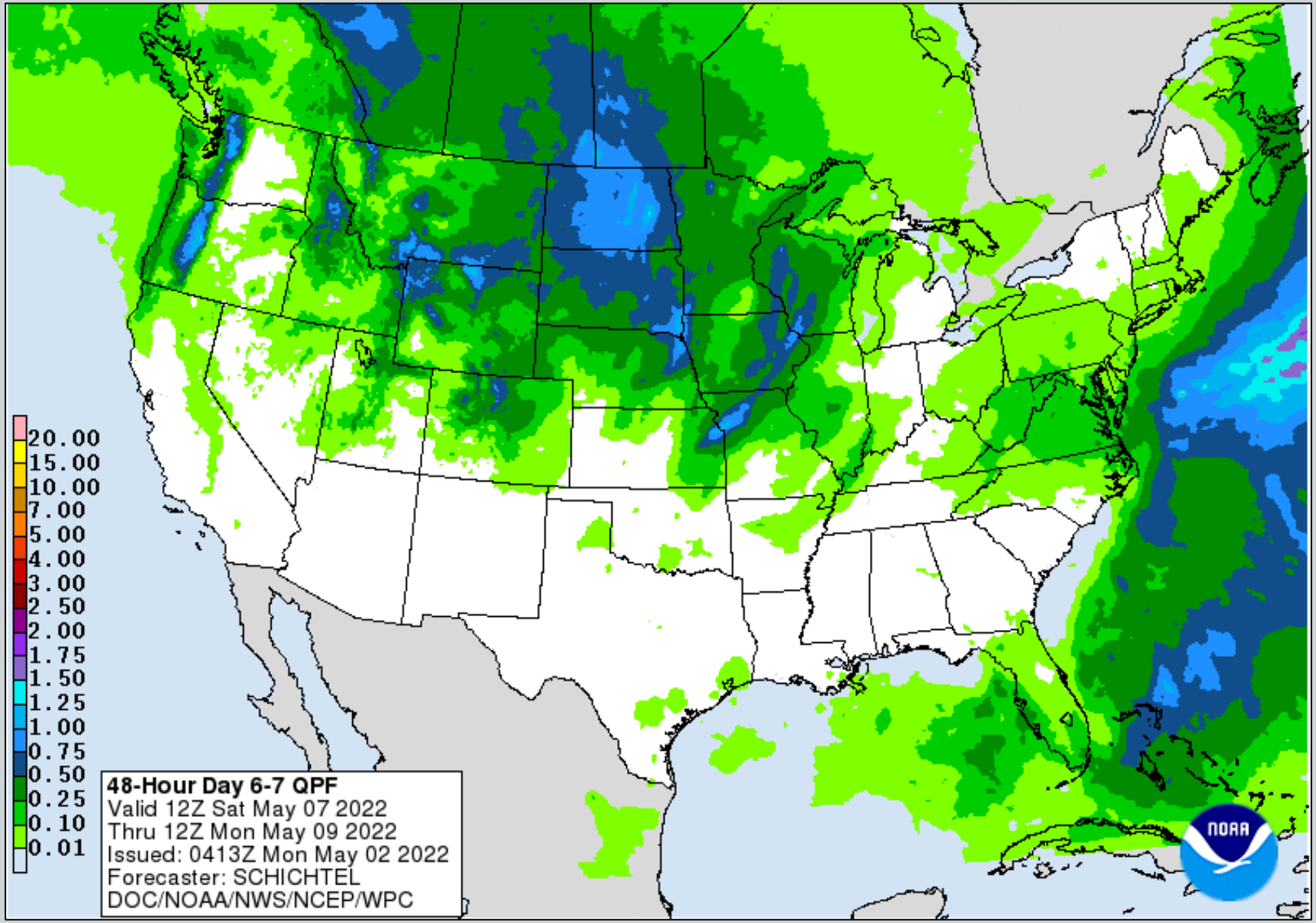
Days 1-3 Precip Forecast



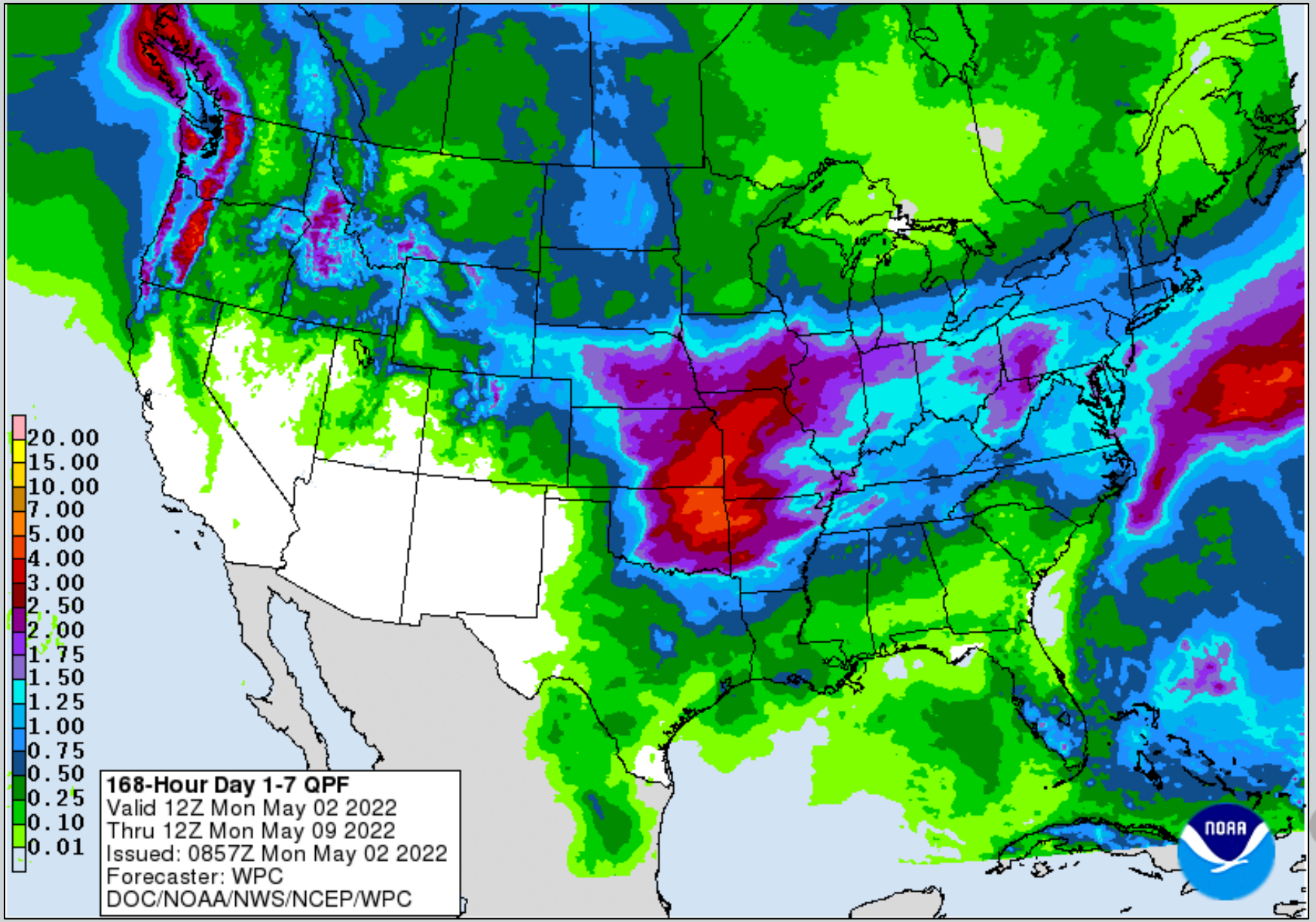
Days 4-5 Precip Forecast



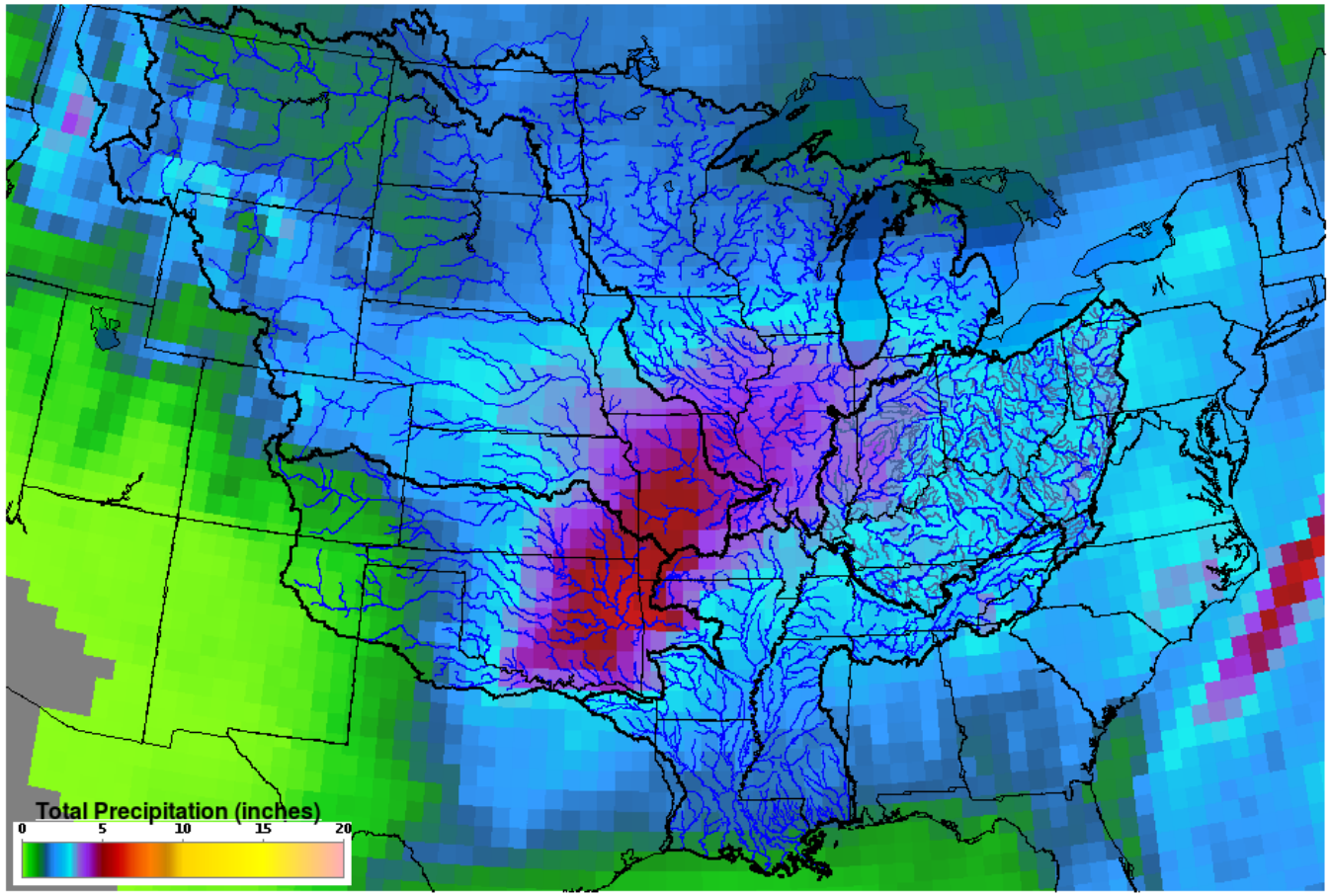
Days 6-7 Precip Forecast



7 Day Precip Forecast



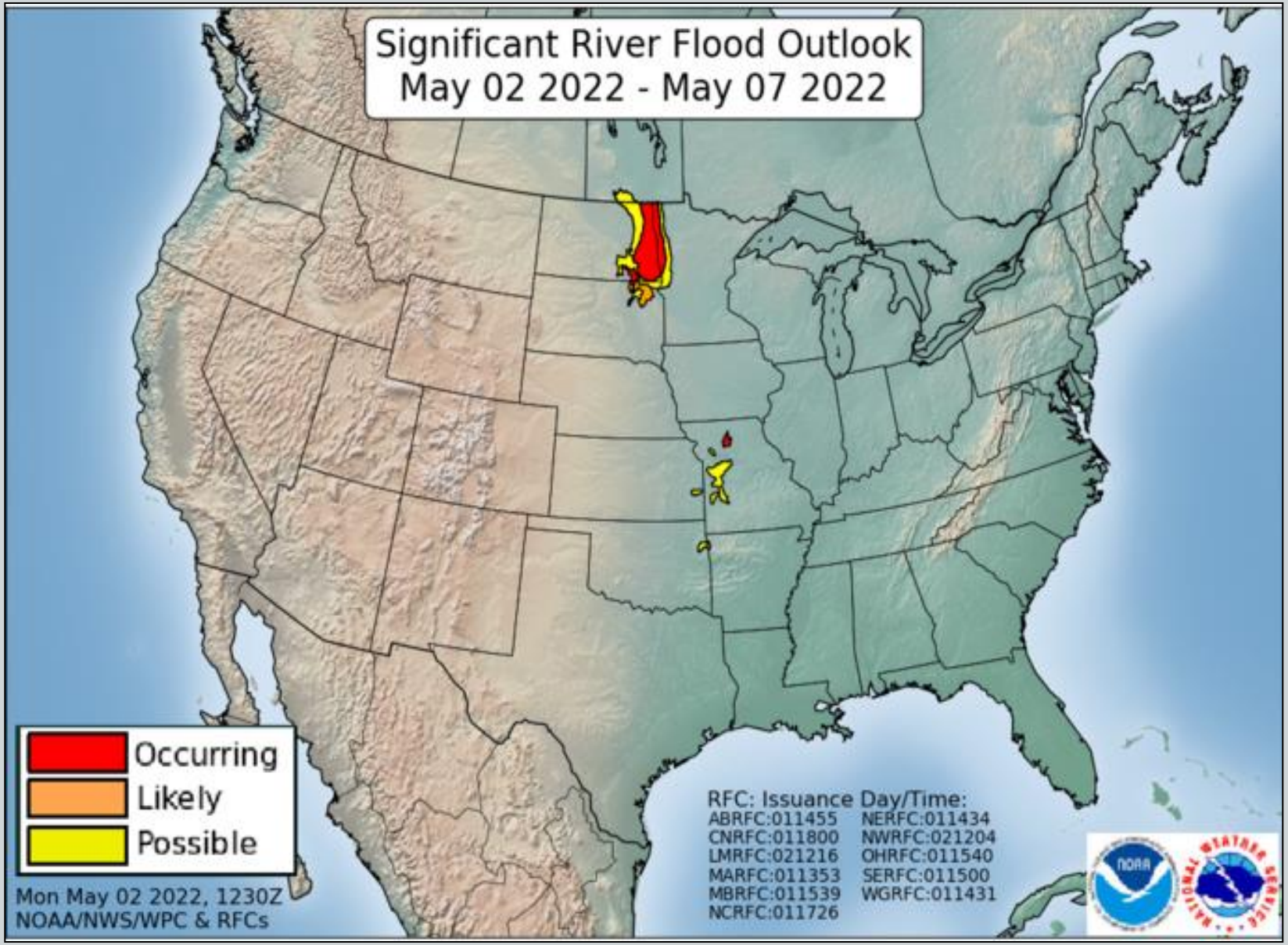
16-Day Ensemble Mean QPF



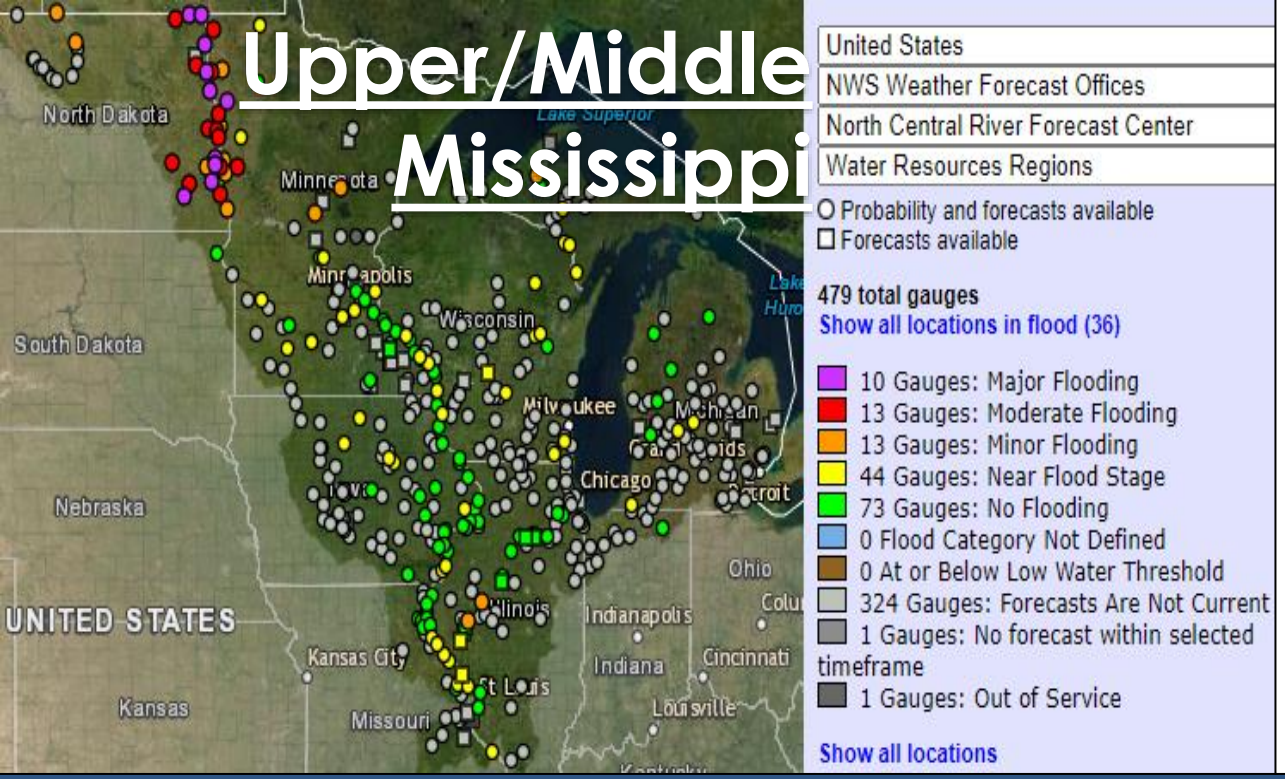
Hydrology

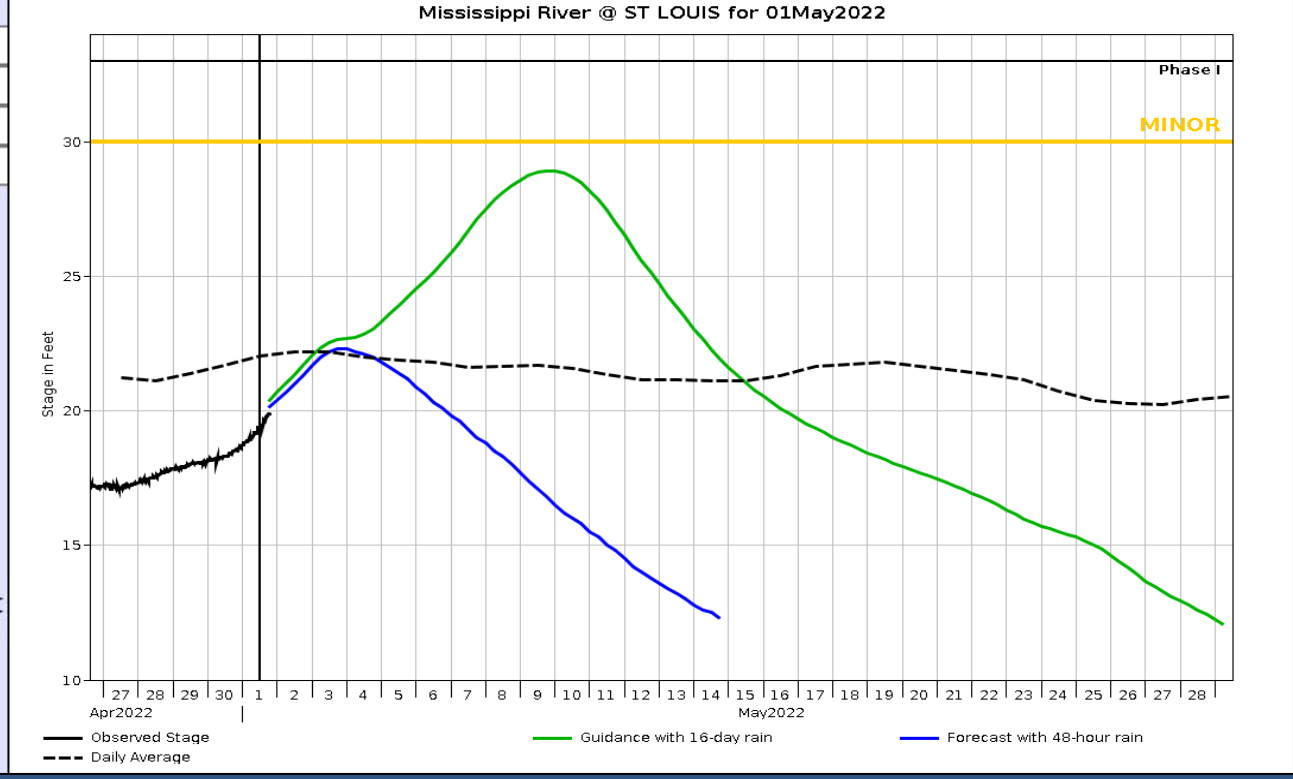
Mississippi River
Missouri River
Ohio River
Arkansas River

5 Day River Flood Outlook



Upper/Middle Mississippi

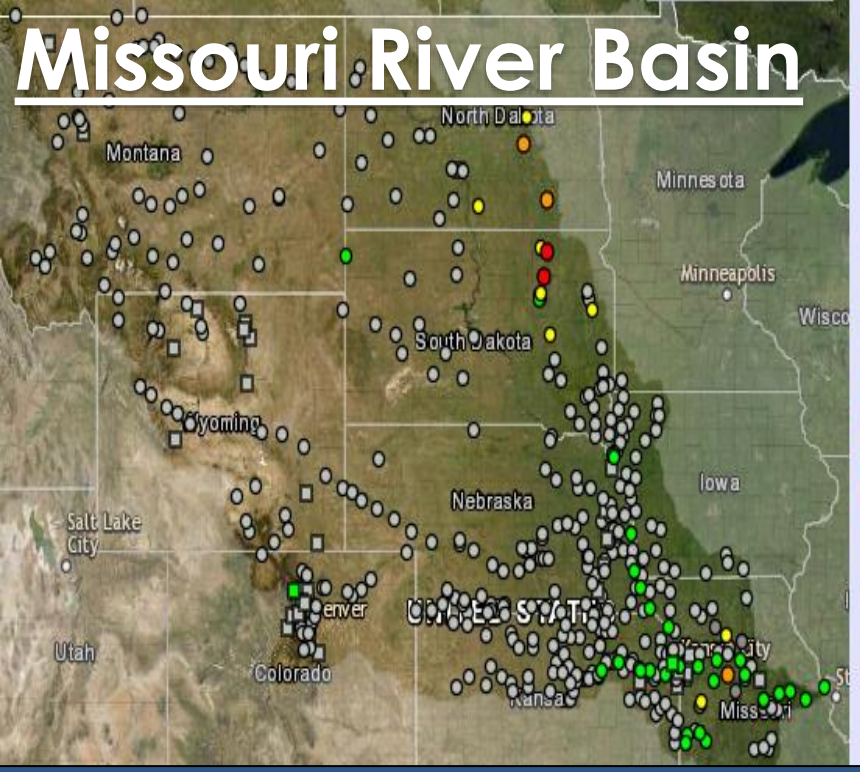




Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
St Paul	14.0’	8.1’	9.8’	-
Rock Island	15.0’	12.4’	11.6’	-
Valley City	14.0’	12.2’	10.3’	-
St Louis	30.0’	20.3’	19.5’	-
Chester	27.0’	22.7’	23.4’	-

- The Red River of the North basin – minor to major flooding
- The Mississippi River at Aitkin and Ft. Ripley, MN – minor flooding
- The Illinois River from Havana to Beardstown, IL – minor flooding

Missouri River Basin



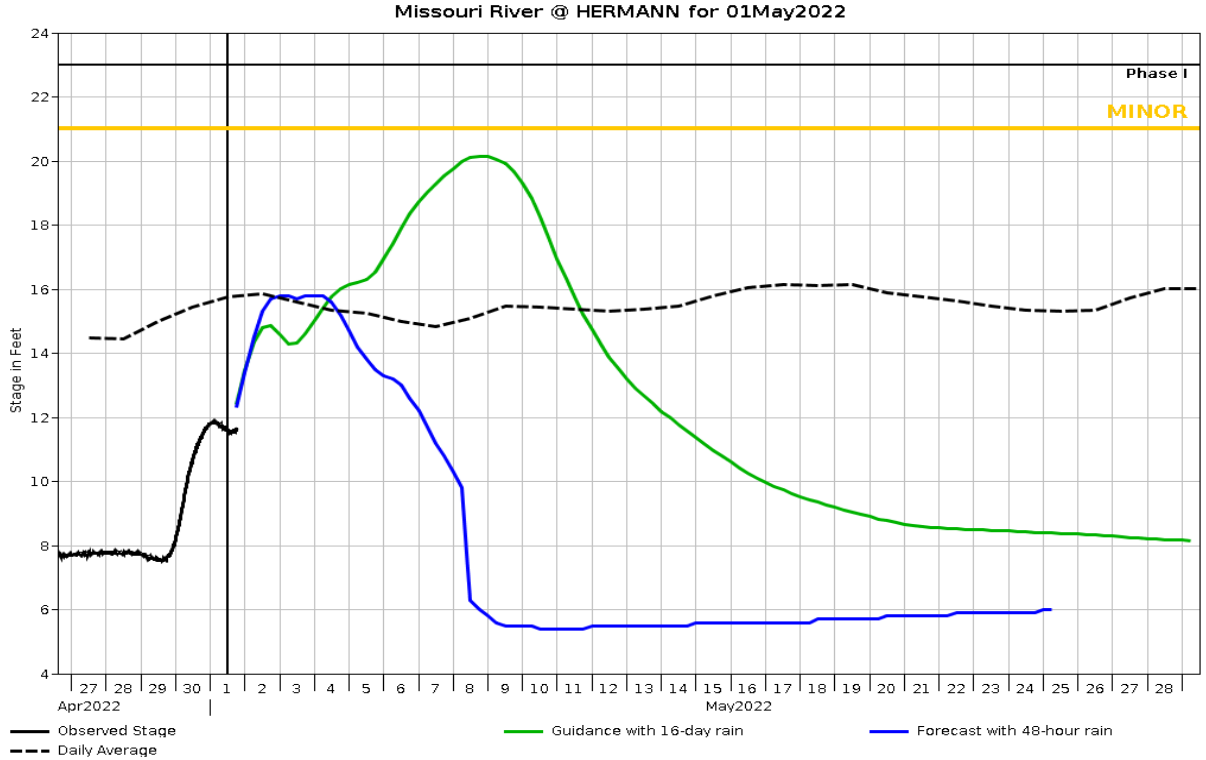
United States
NWS Weather Forecast Offices
Missouri Basin River Forecast Center
Water Resources Regions

○ Probability and forecasts available
□ Forecasts available

470 total gauges
Show all locations in flood (5)

- 0 Gauges: Major Flooding
- 2 Gauges: Moderate Flooding
- 3 Gauges: Minor Flooding
- 8 Gauges: Near Flood Stage
- 32 Gauges: No Flooding
- 0 Flood Category Not Defined
- 0 At or Below Low Water Threshold
- 420 Gauges: Forecasts Are Not Current
- 5 Gauges: No forecast within selected timeframe
- 0 Gauges: Out of Service

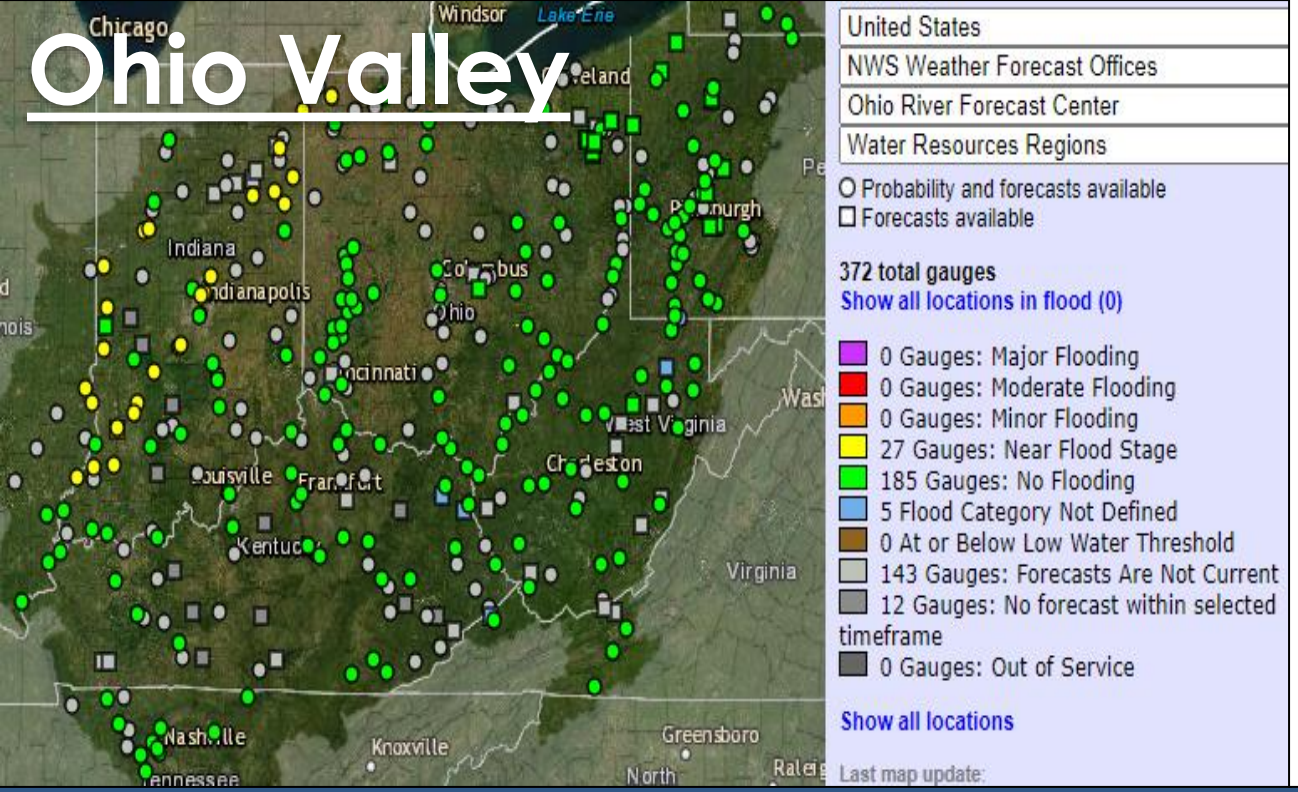
Show all locations

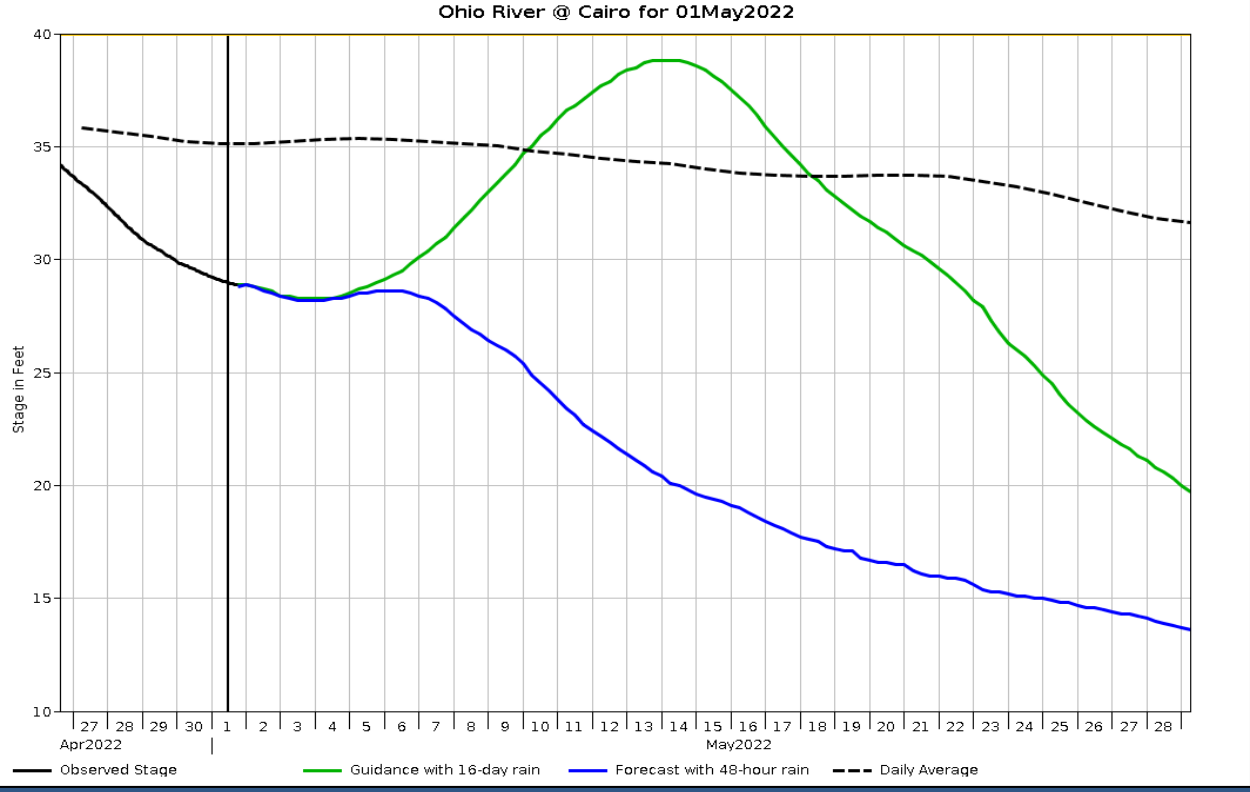


Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Jefferson City	23.0’	113.8’	9.4’	-
Hermann	21.0’	14.8’	11.7’	-
St Charles	25.0’	16.3’	18.3’	-

- The James River from LaMoure, ND to Stratford, SD – minor to moderate flooding
- Blackwater River near Blue Lick, MO – minor flooding

Ohio Valley

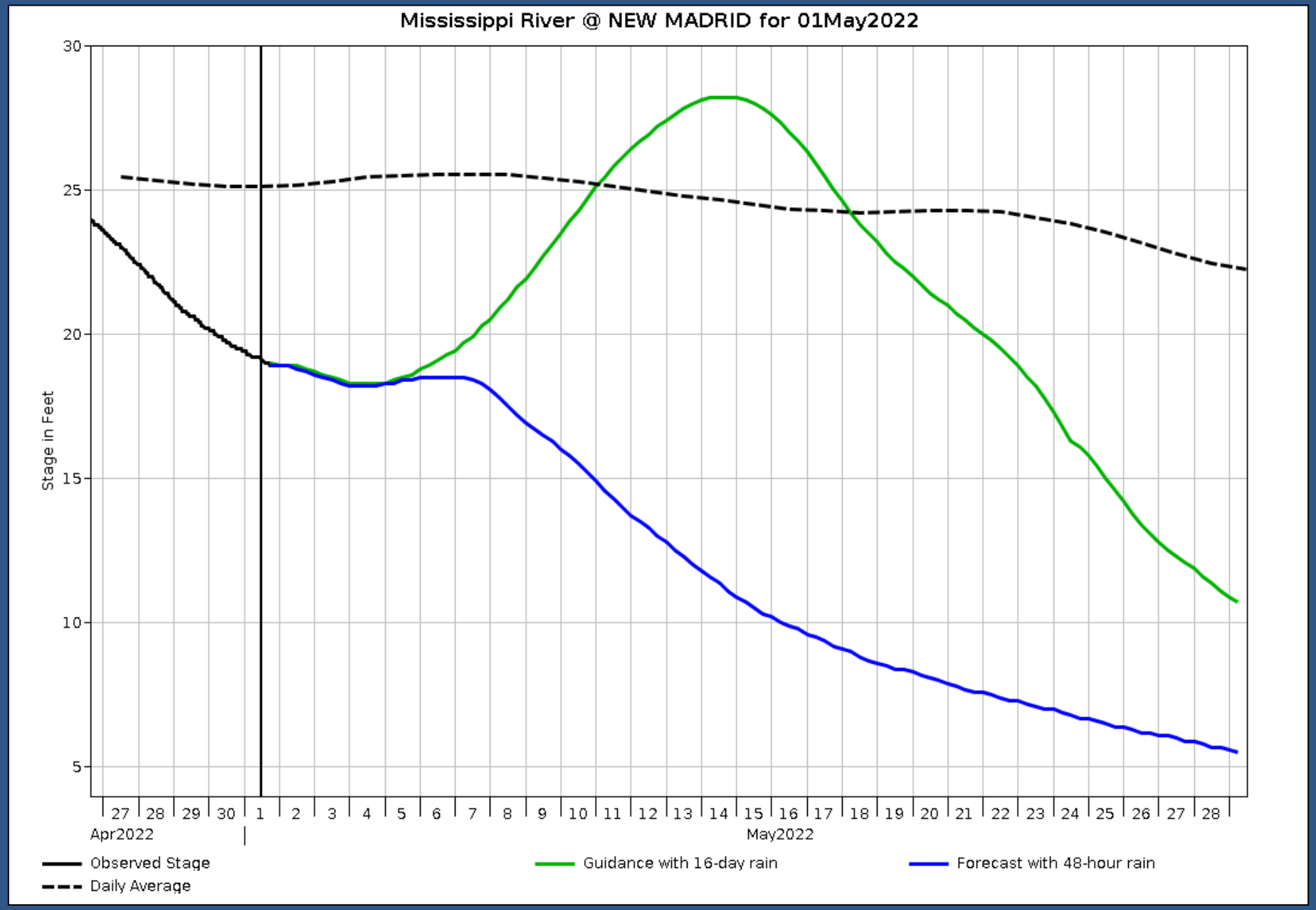




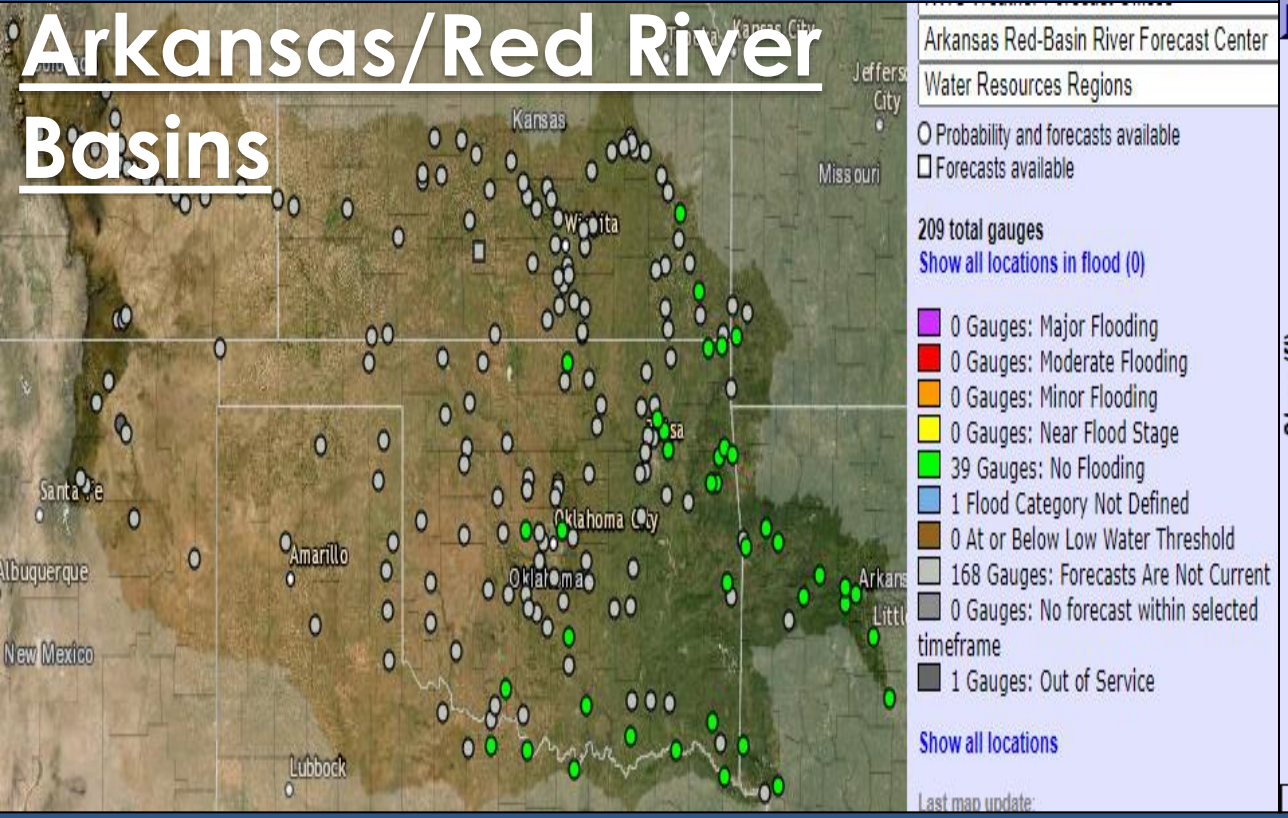
Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Paducah	39.0’	17.9’	17.5’	-
Cairo	40.0’	29.0’	28.3’	-

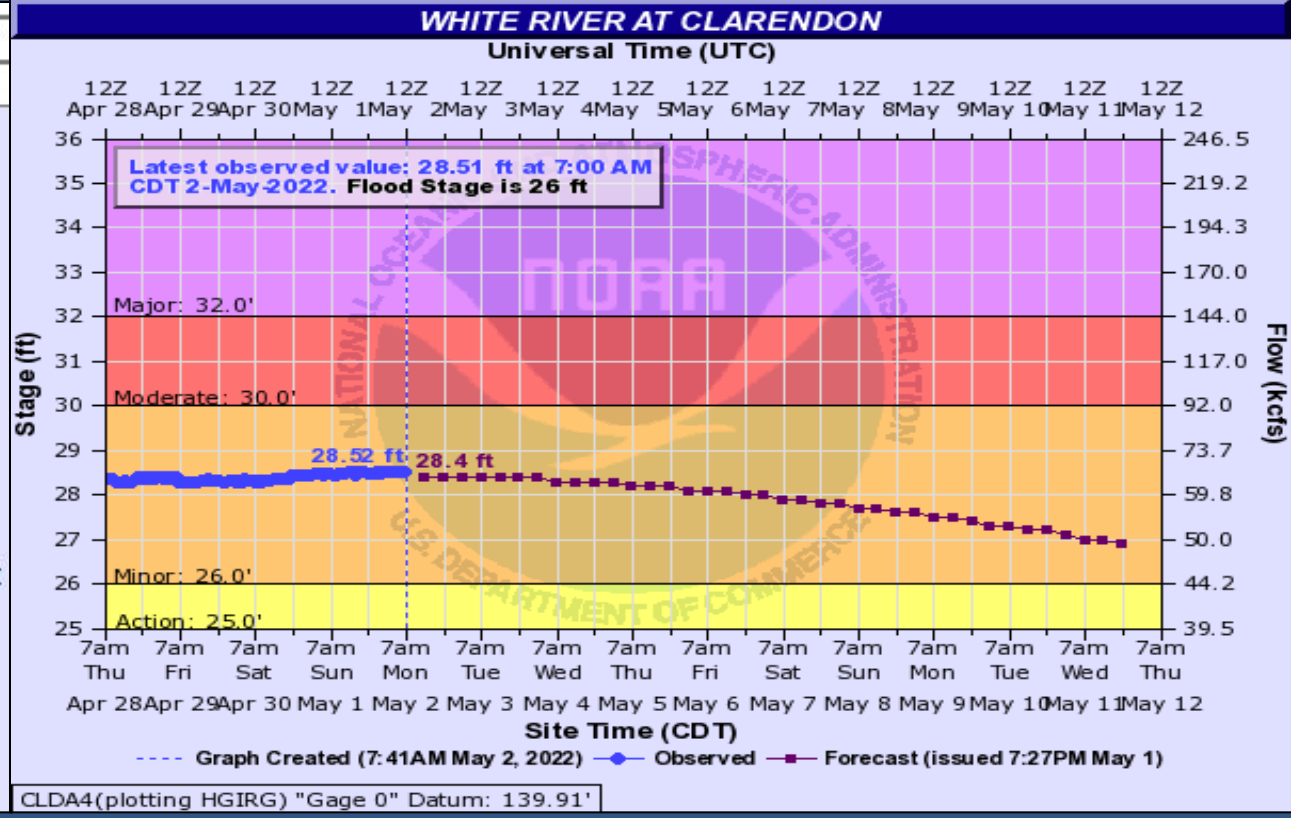
- No flooding is occurring or forecast.

New Madrid


Mississippi River @ NEW MADRID for 01May2022
Stage in Feet
30
25
20
15
10
5
27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
Apr2022
May2022
Observed Stage
Daily Average
Guidance with 16-day rain
Forecast with 48-hour rain

Arkansas/Red River Basins

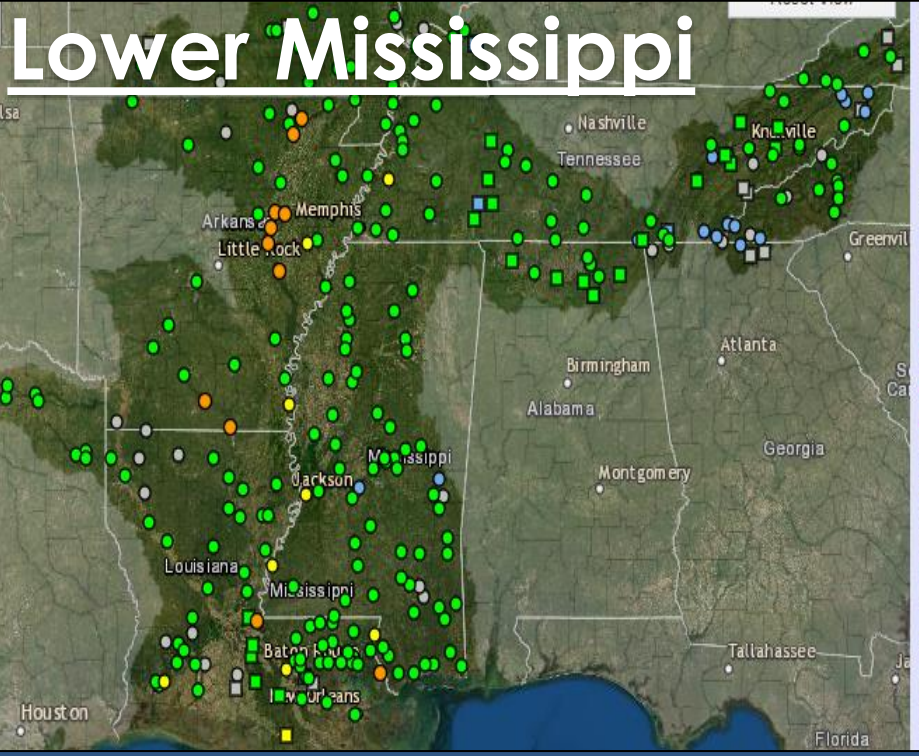


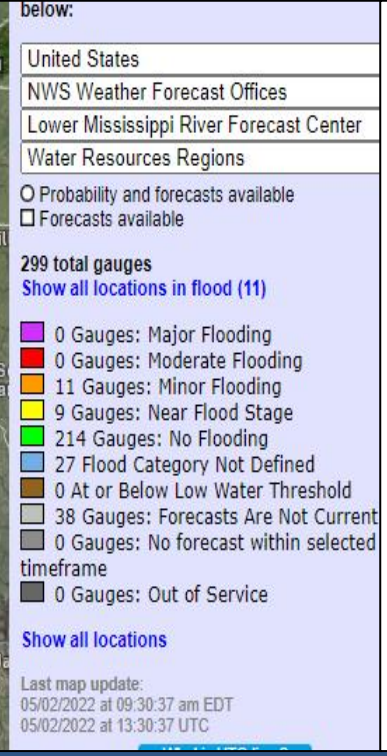


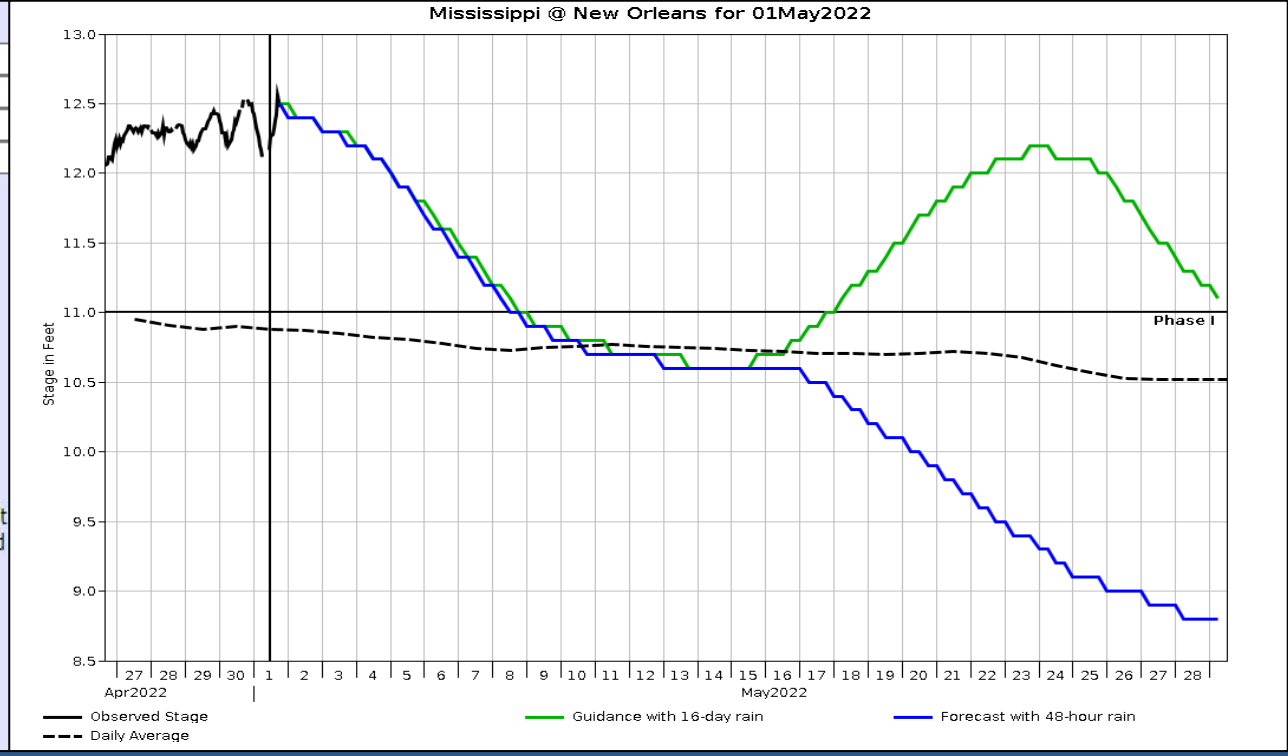
Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Little Rock	23.0’	8.4’	7.5’	-
Clarendon	26.0’	28.5’	27.9’	-
Shreveport	30.0’	20.8’	17.7’	-

- No flooding is occurring or forecast.

Lower Mississippi



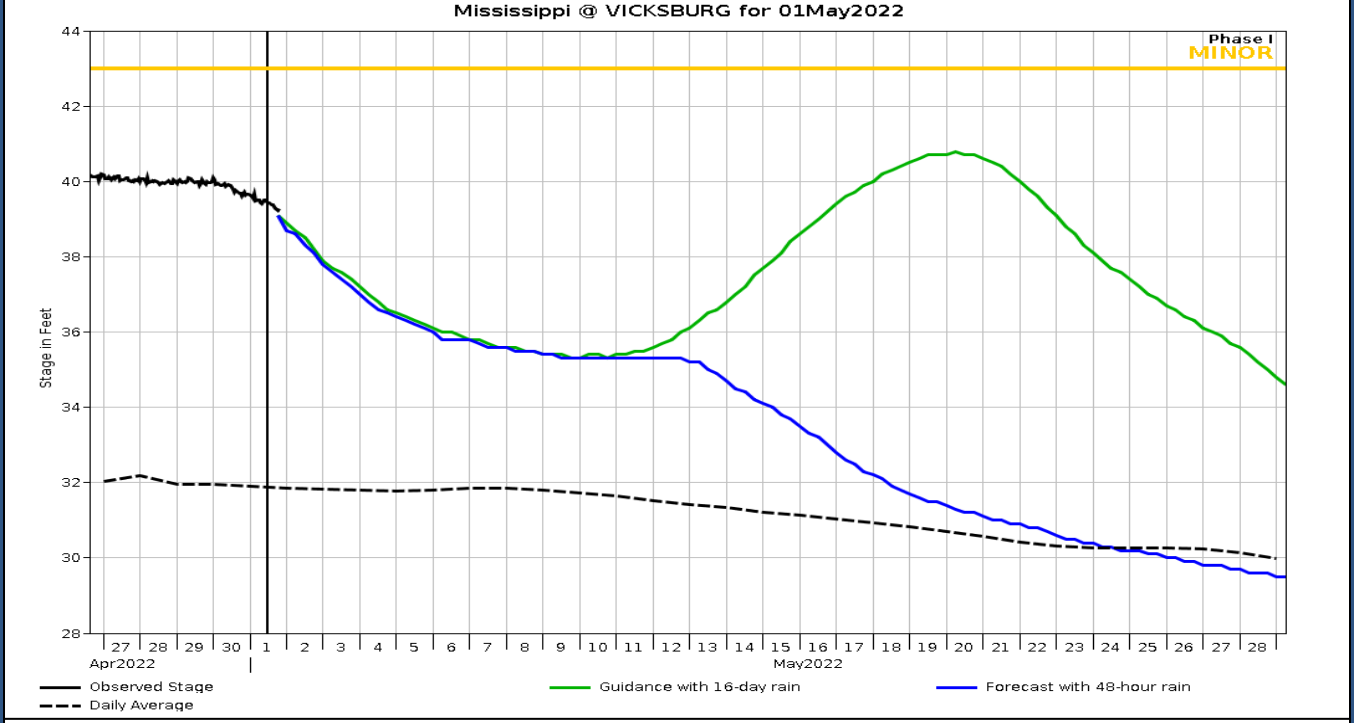




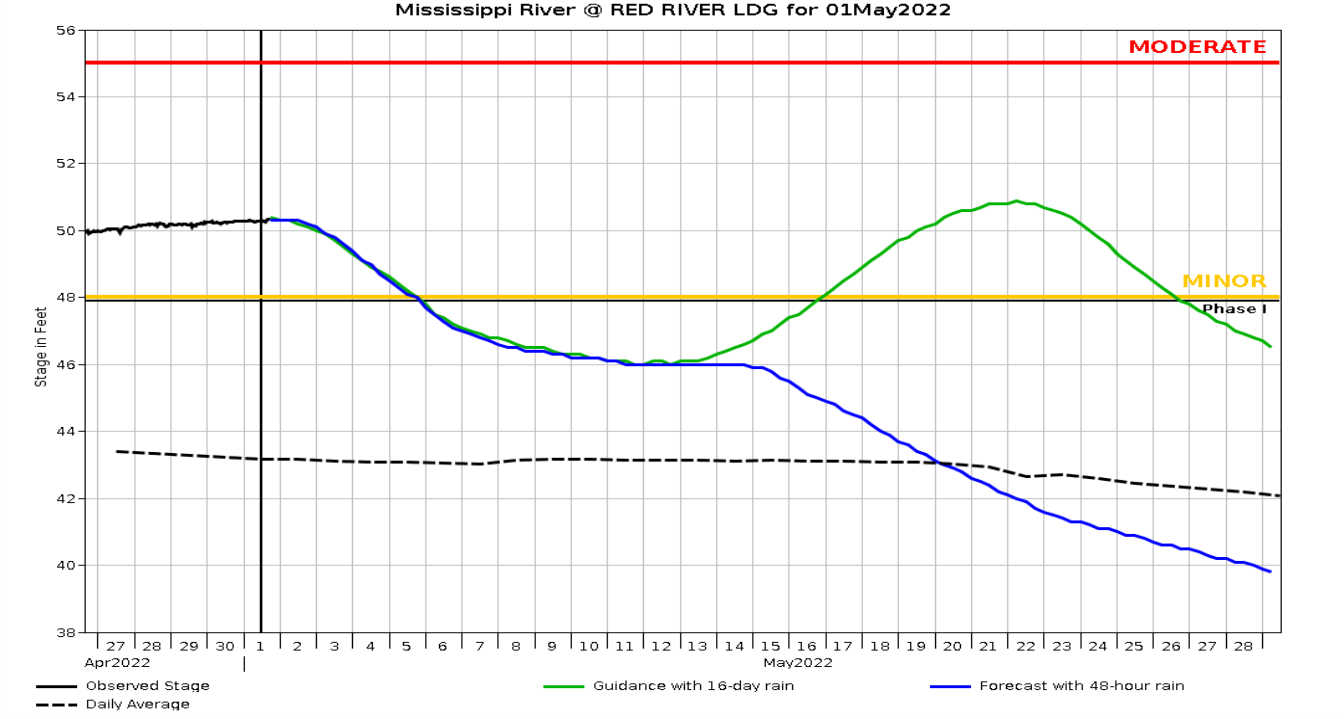
Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
Cairo	40.0’	29.0’	28.3’	-
Memphis	34.0’	15.6’	14.5’	-
Vicksburg	43.0’	38.8’	35.7’	-
Baton Rouge	35.0’	33.3’	30.2’	-
New Orleans	17.0’	12.1’	11.4’	-

- The Mississippi River at Red River Landing – minor flooding
- The White, Black, Cache and Ouachita Rivers in AR and the Pearl River in LA – minor flooding

Vicksburg



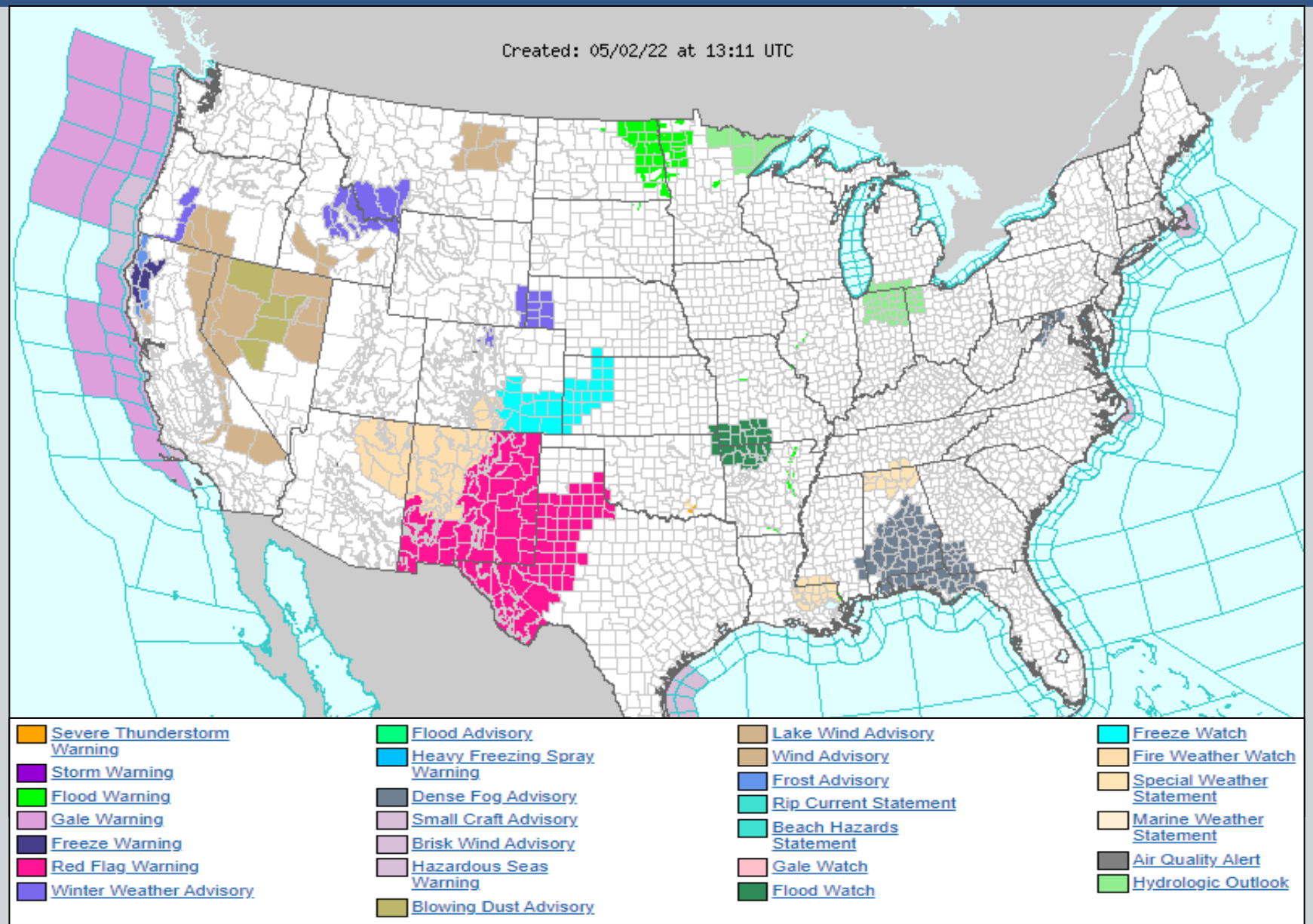
Red River Landing



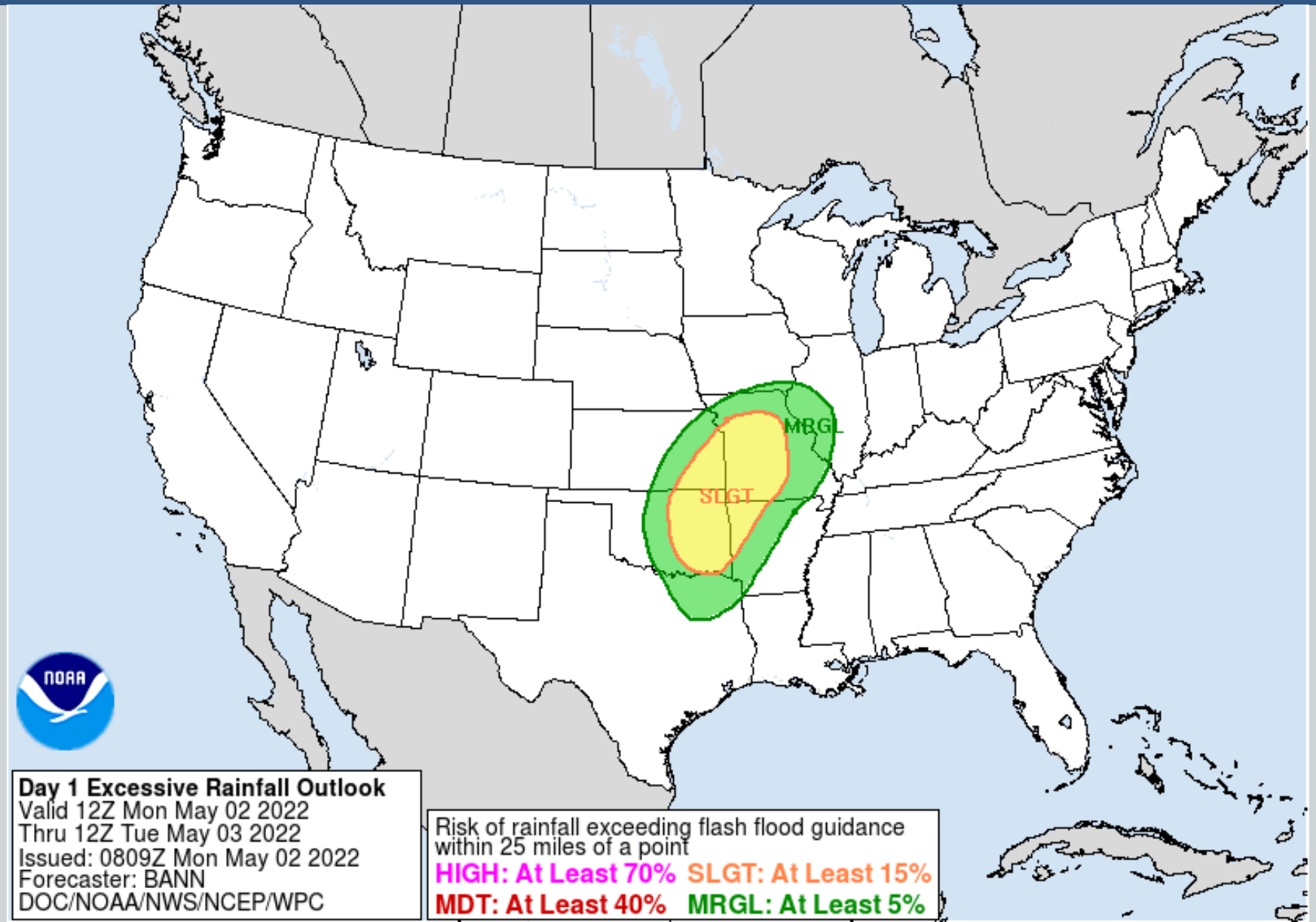
Meteorology

Weather over the next 3 days

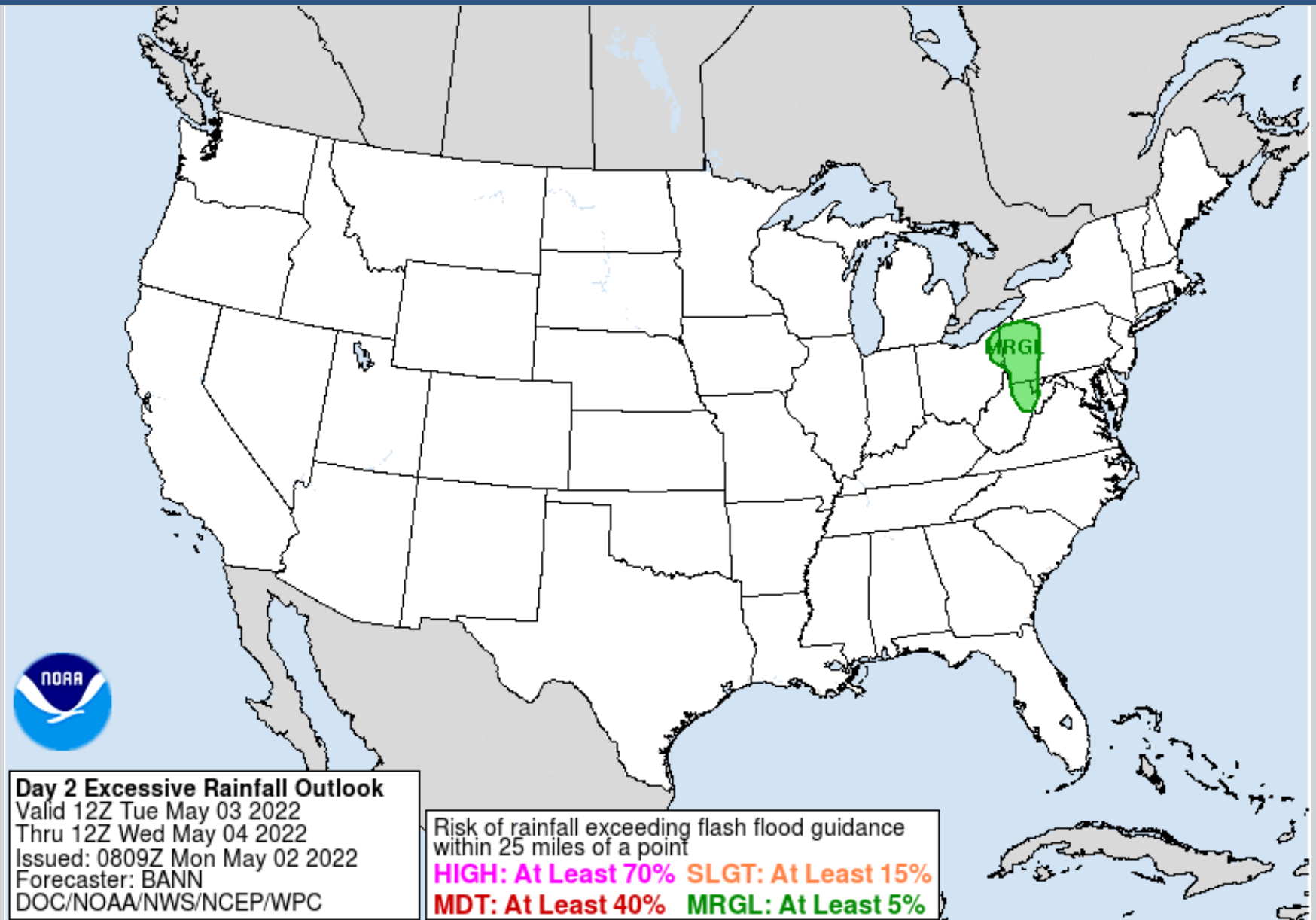
Current Nationwide Watches & Warnings



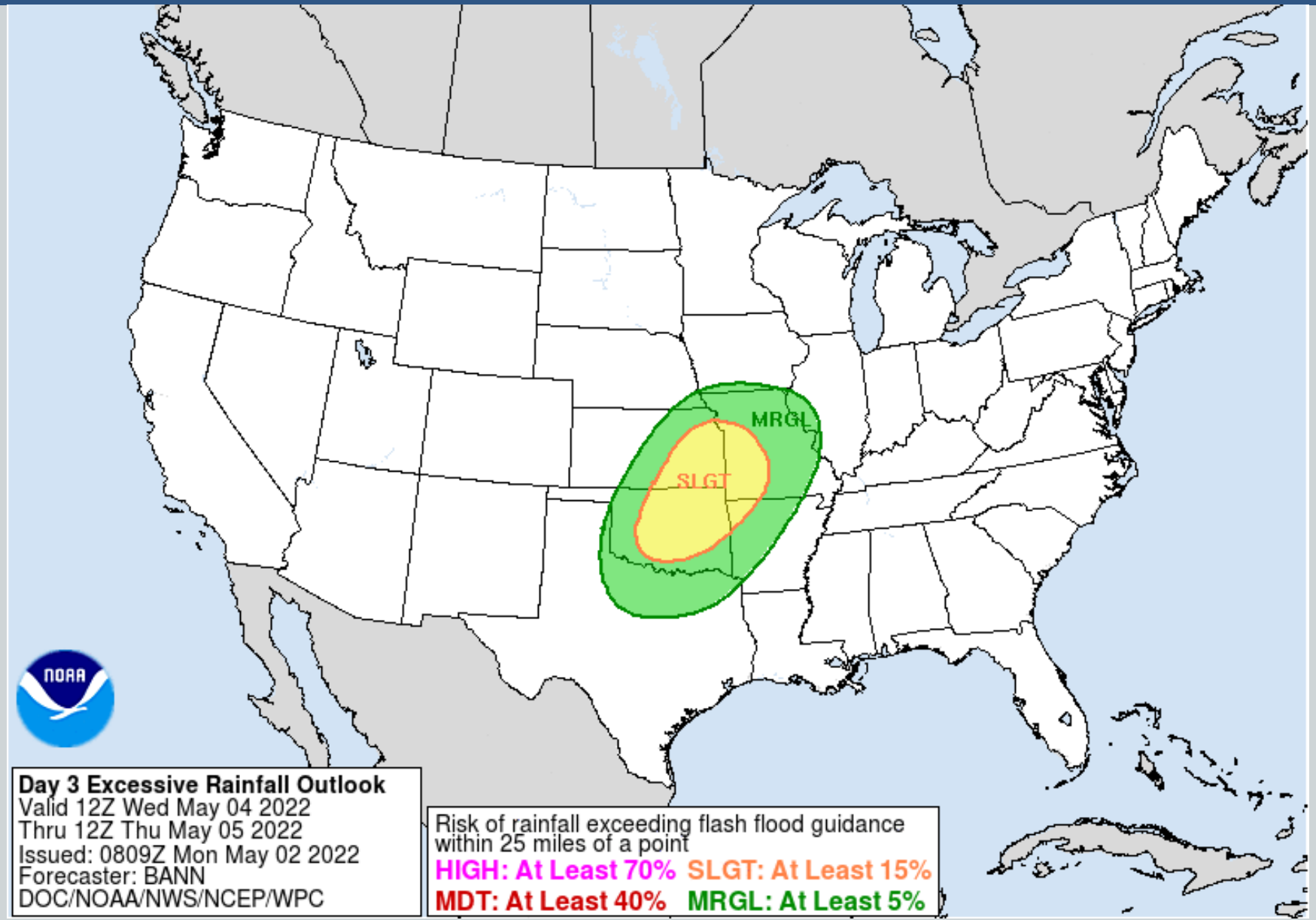
Day 1 Excessive Rainfall Outlook



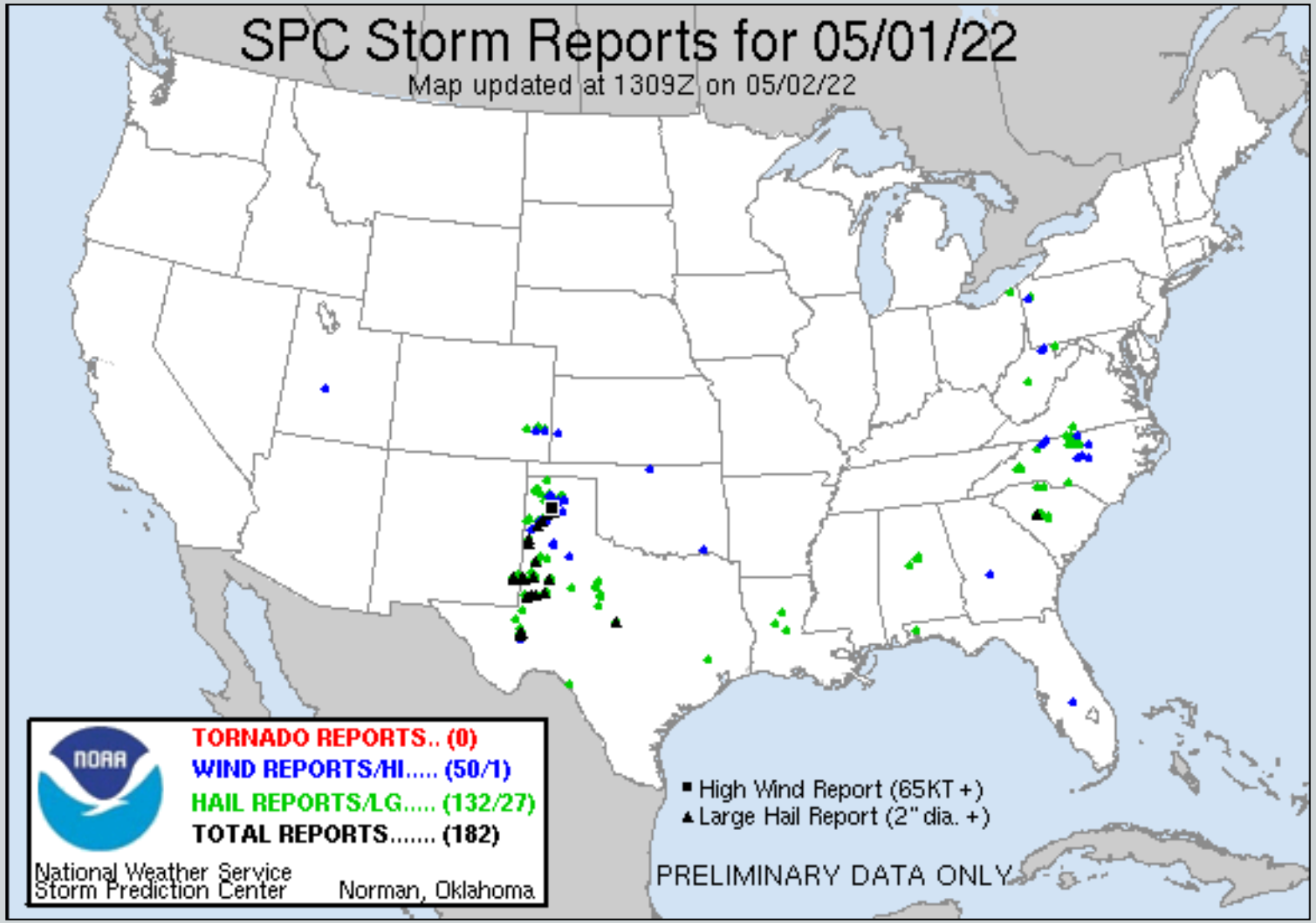
Day 2 Excessive Rainfall Outlook



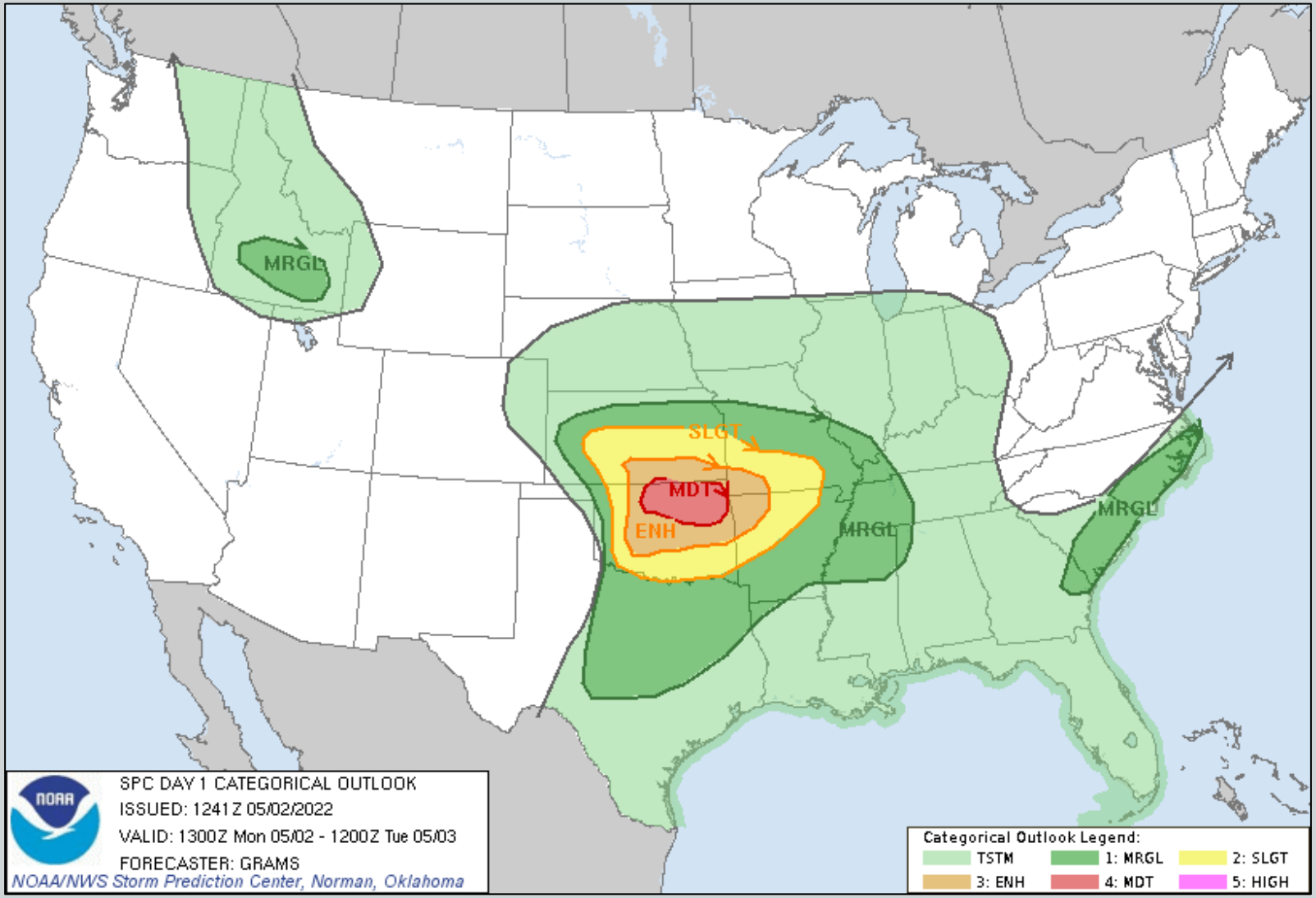
Day 3 Excessive Rainfall Outlook



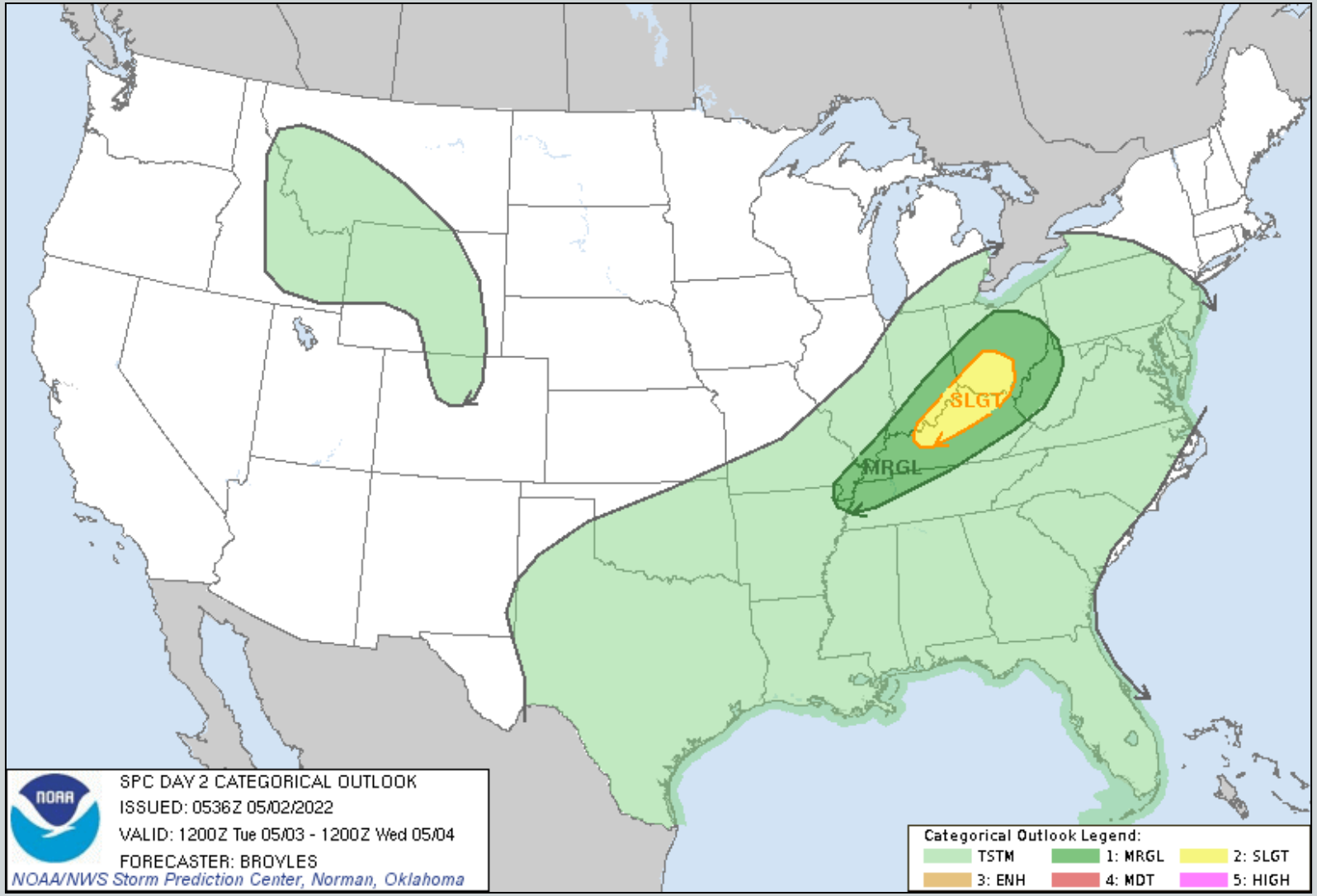
Yesterday's Severe Weather Reports



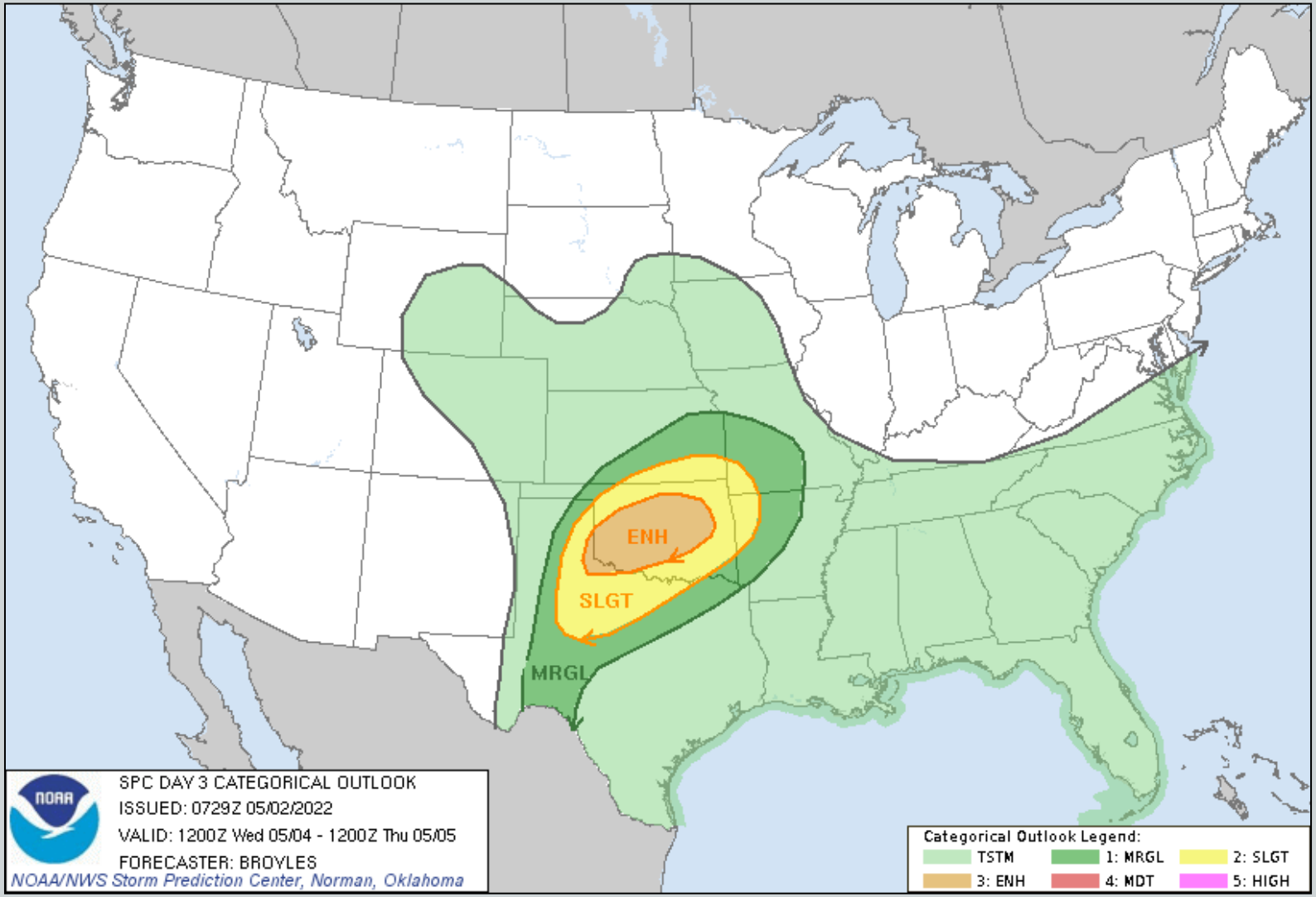
Today's Severe Weather Outlook



Tomorrow's Severe Weather Outlook

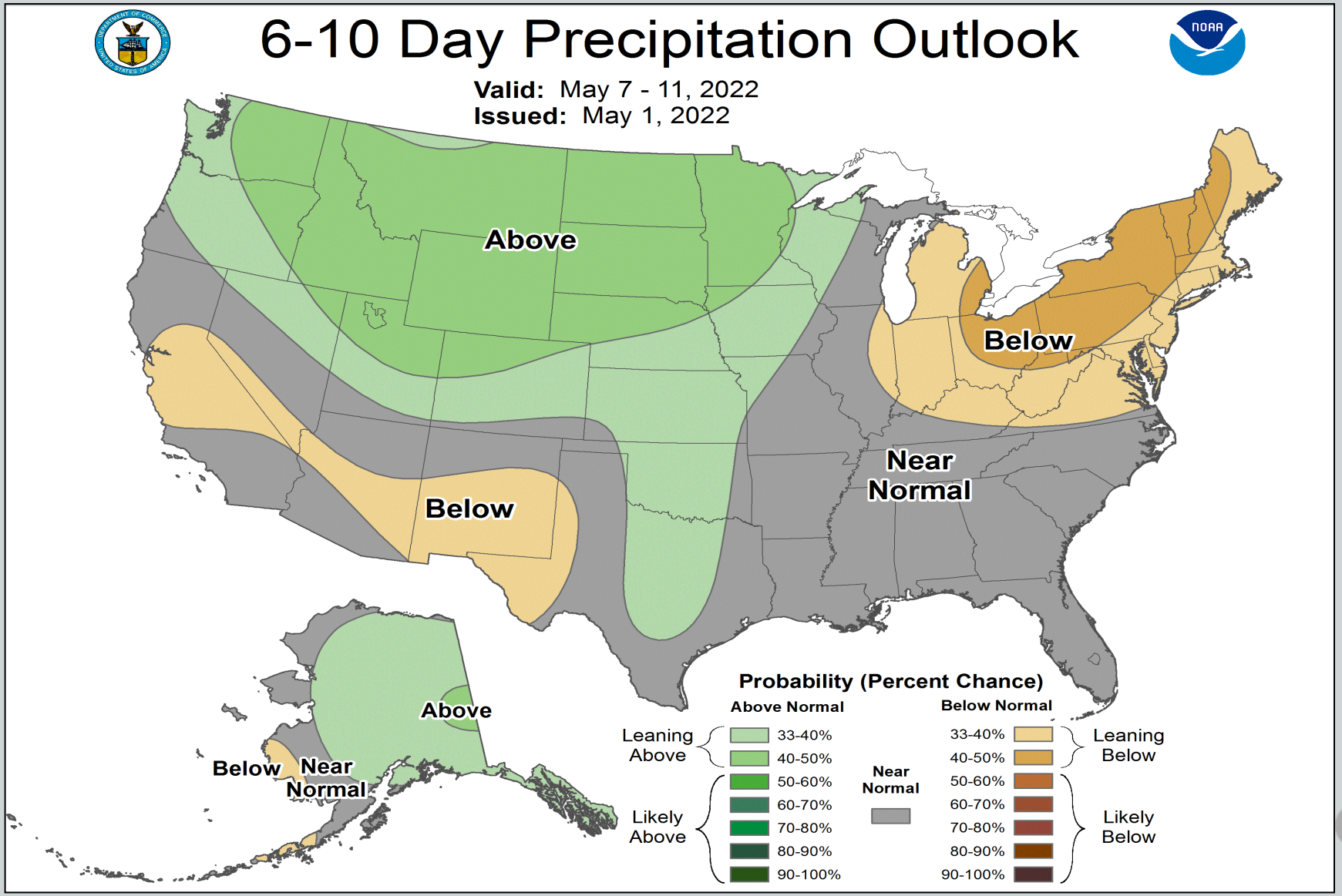


Day 3 Severe Weather Outlook

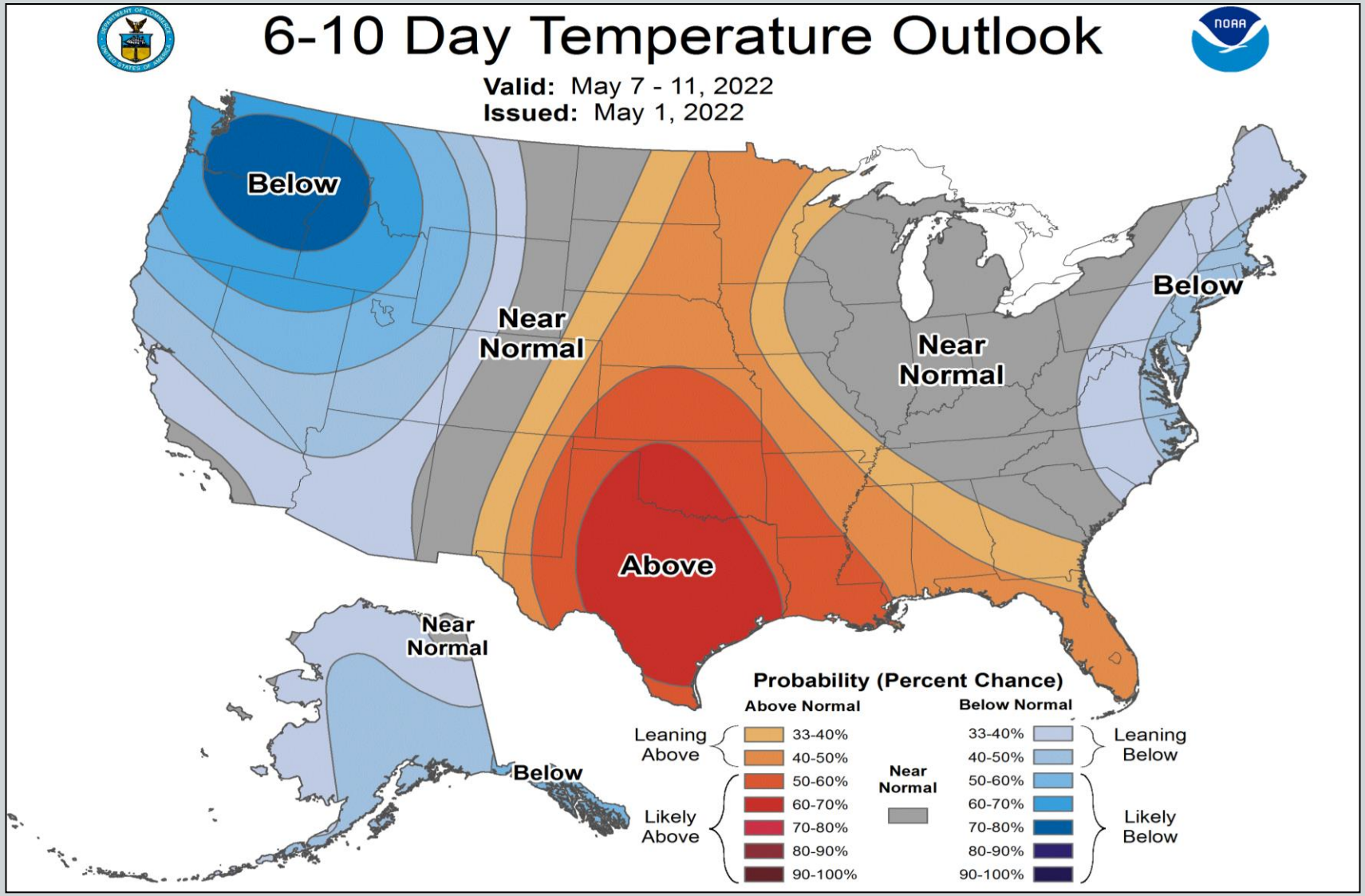


Long Range Outlook

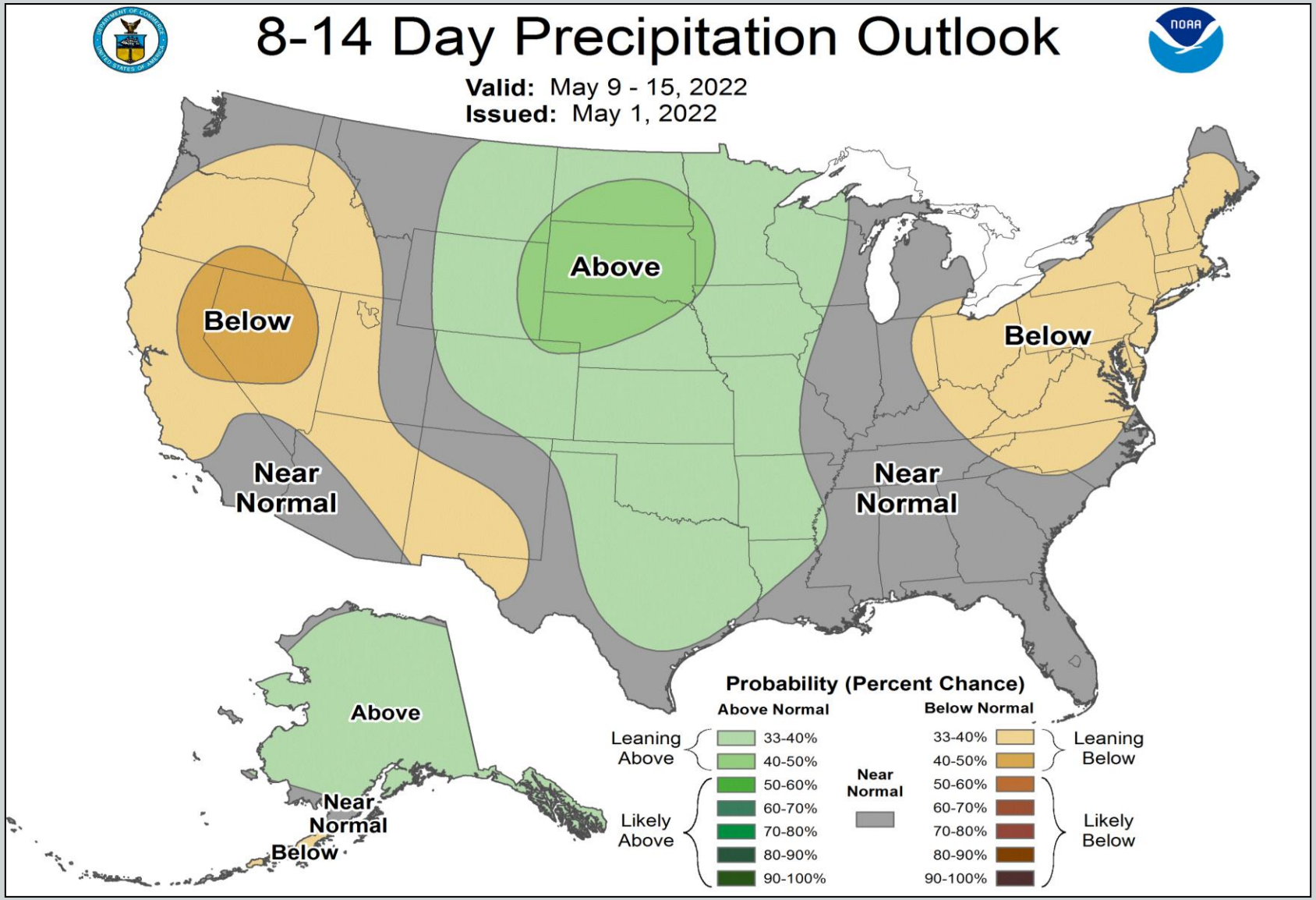
6-10 Day Precip Outlook



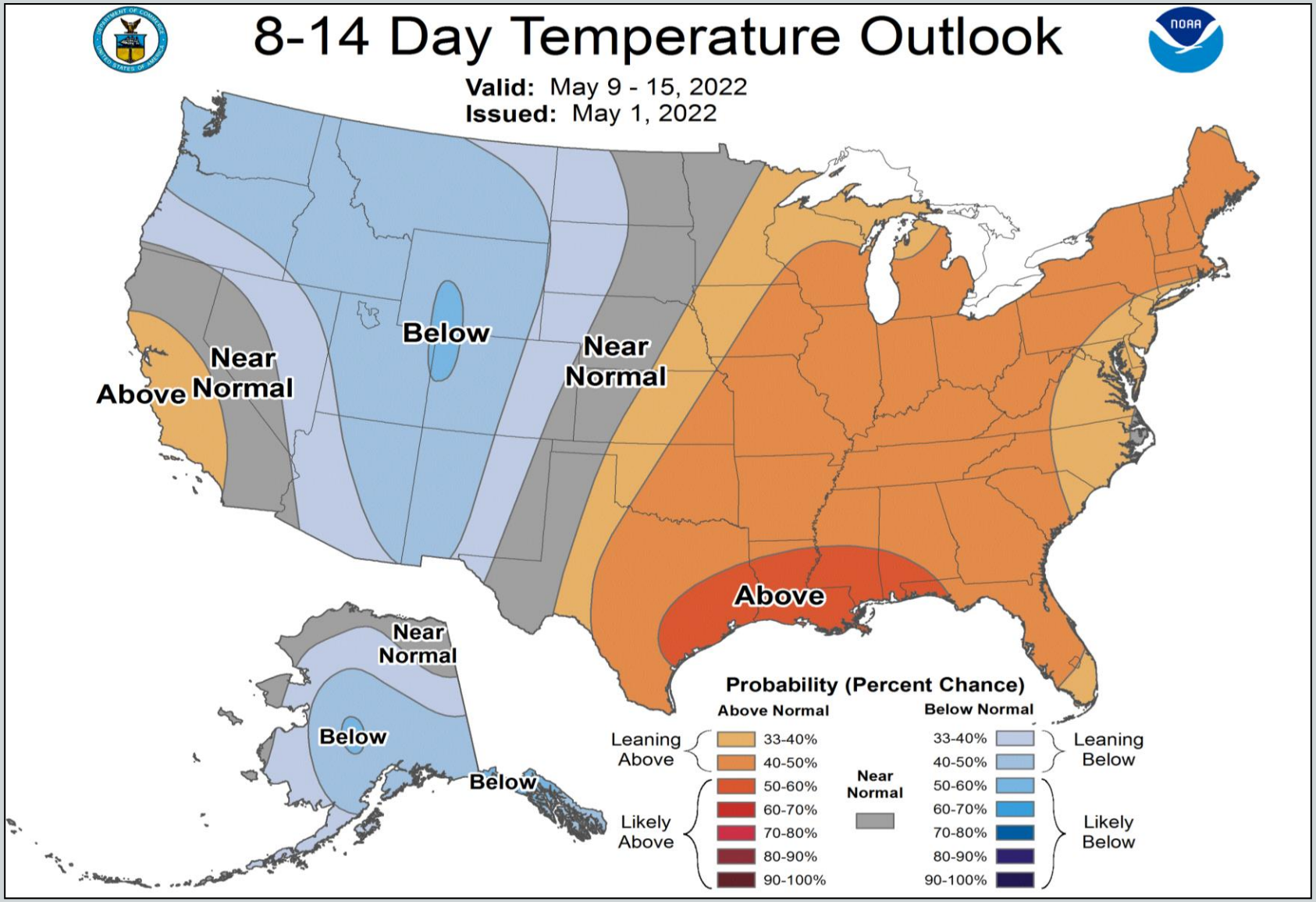
6-10 Day Temp Outlook



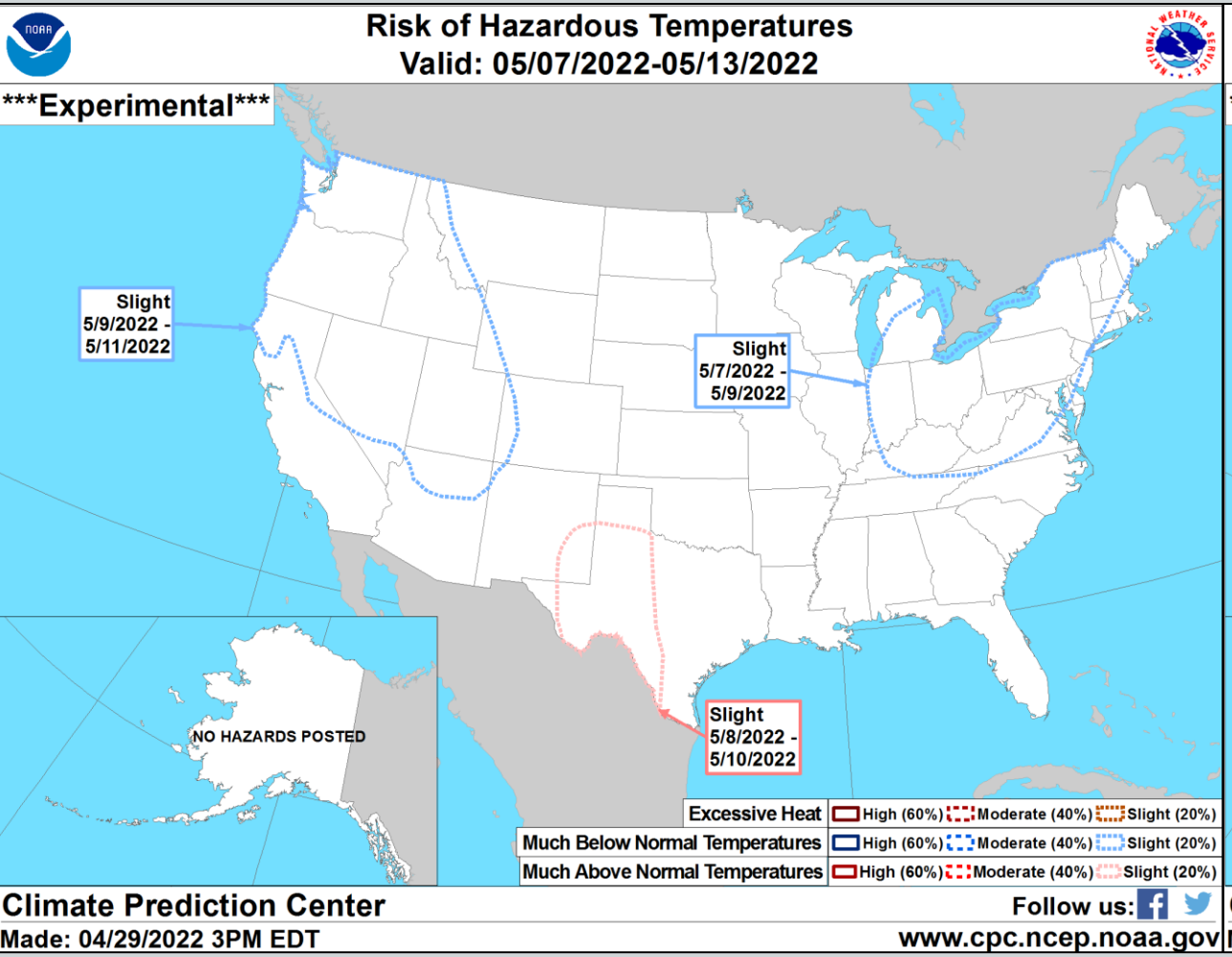
8-14 Day Precip Outlook

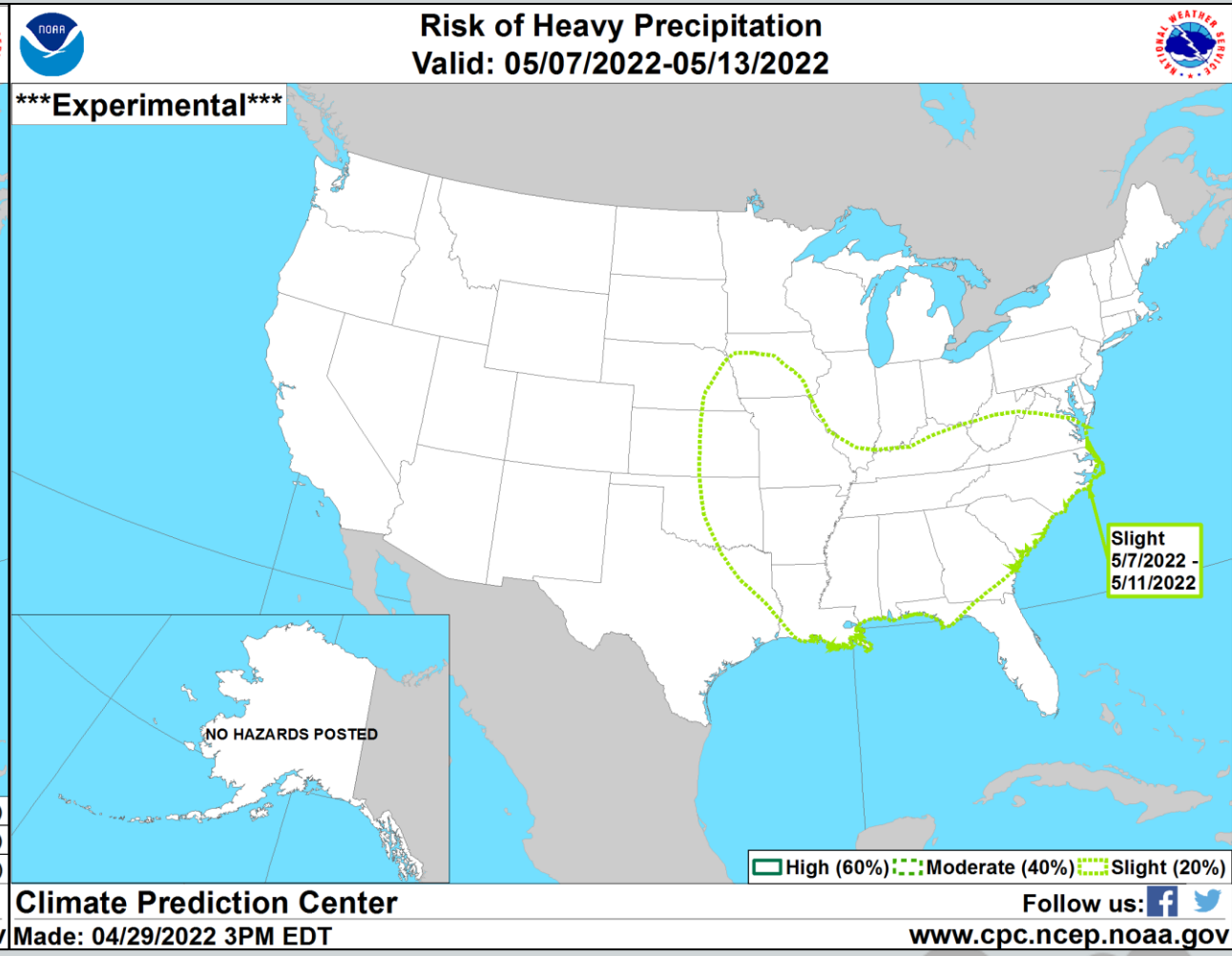


8-14 Day Temp Outlook

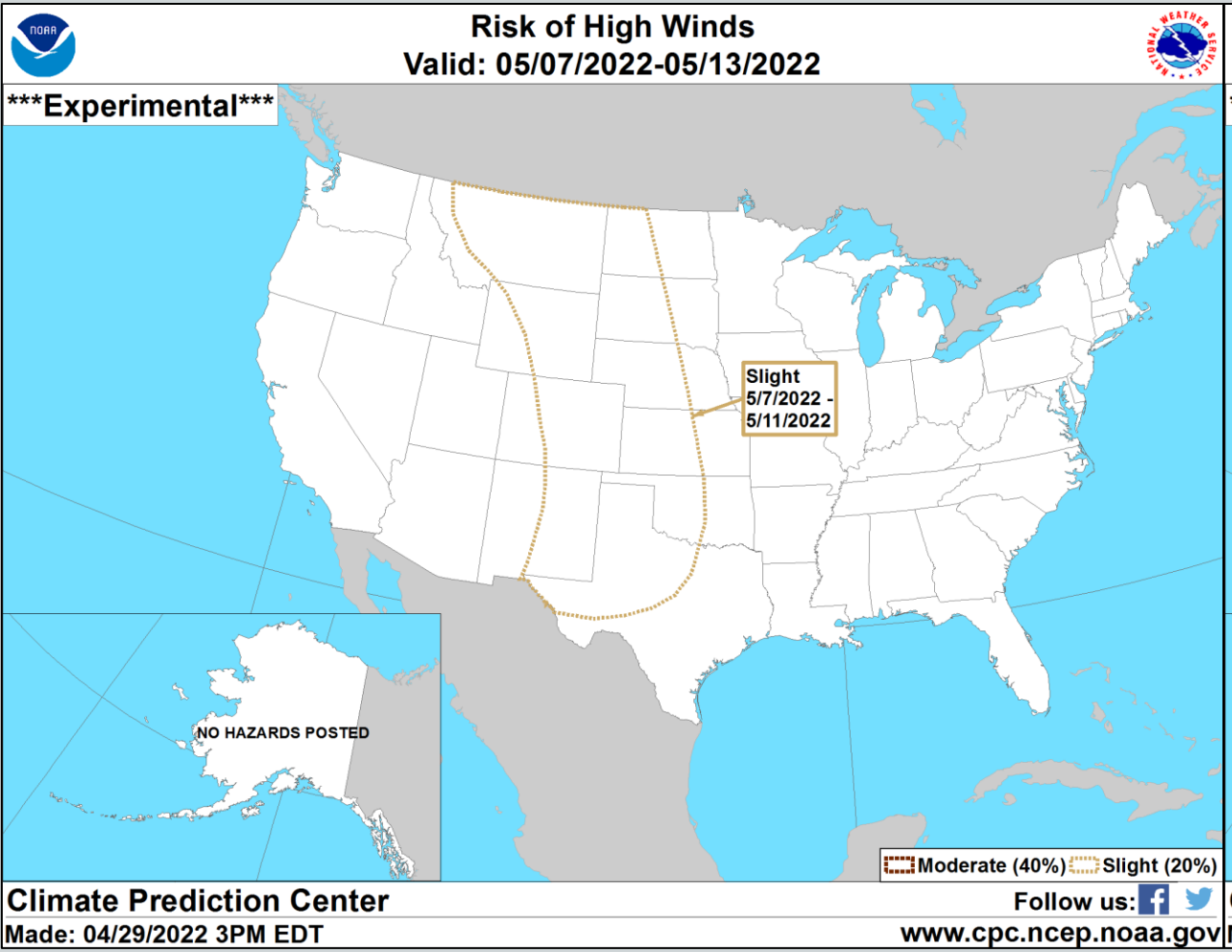


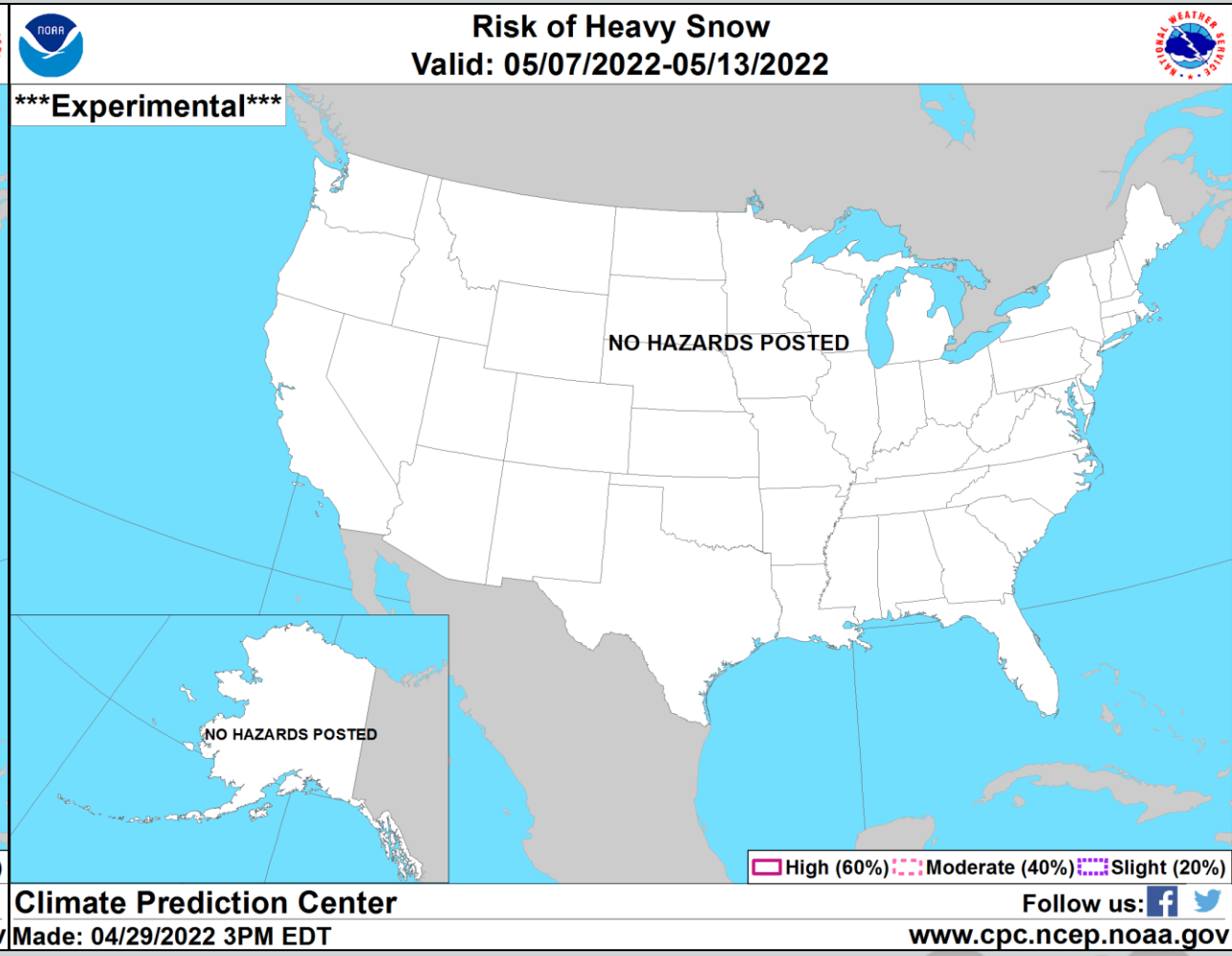
Week 2 Hazards Outlook





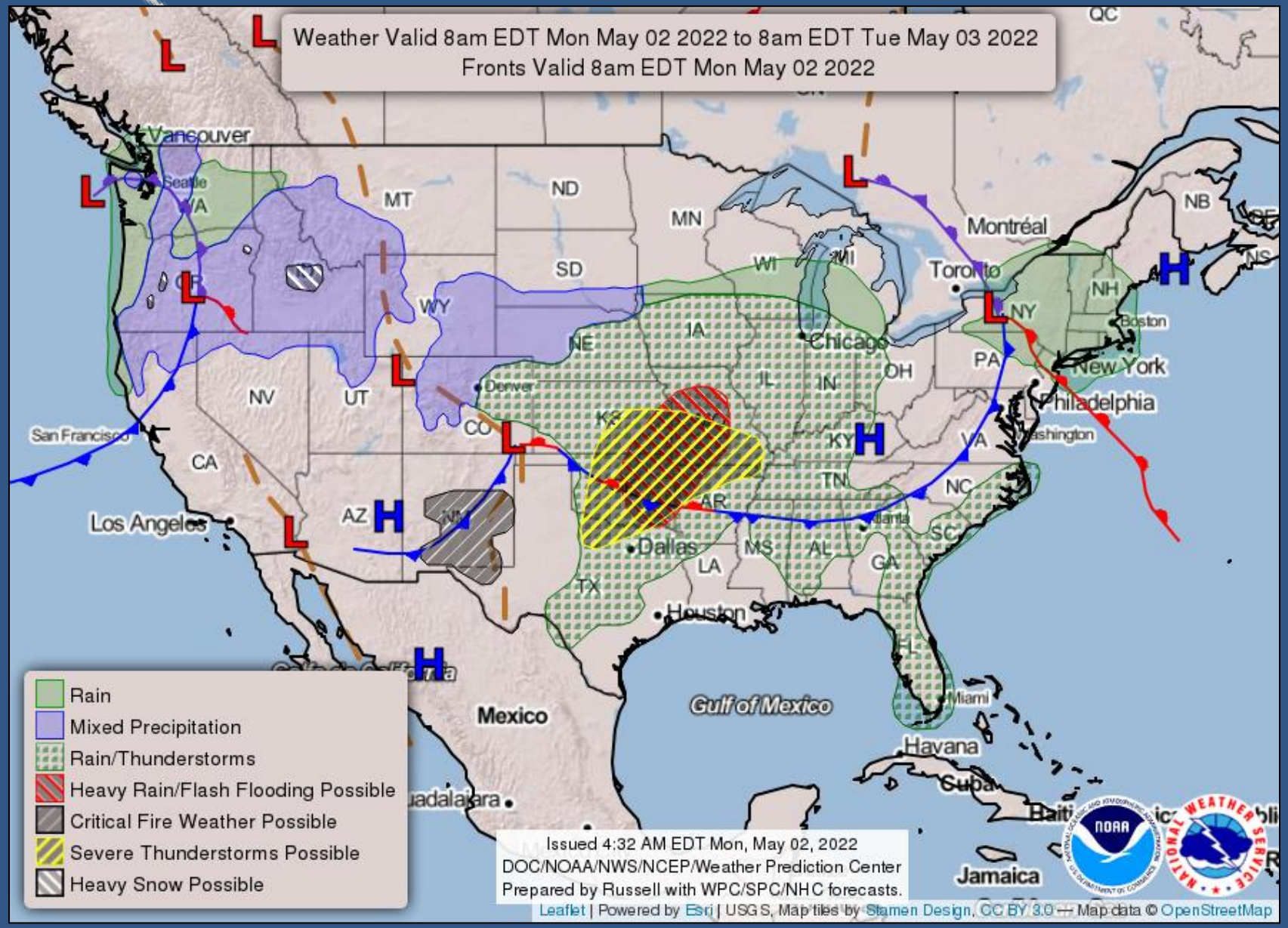
Week 2 Hazards Outlook



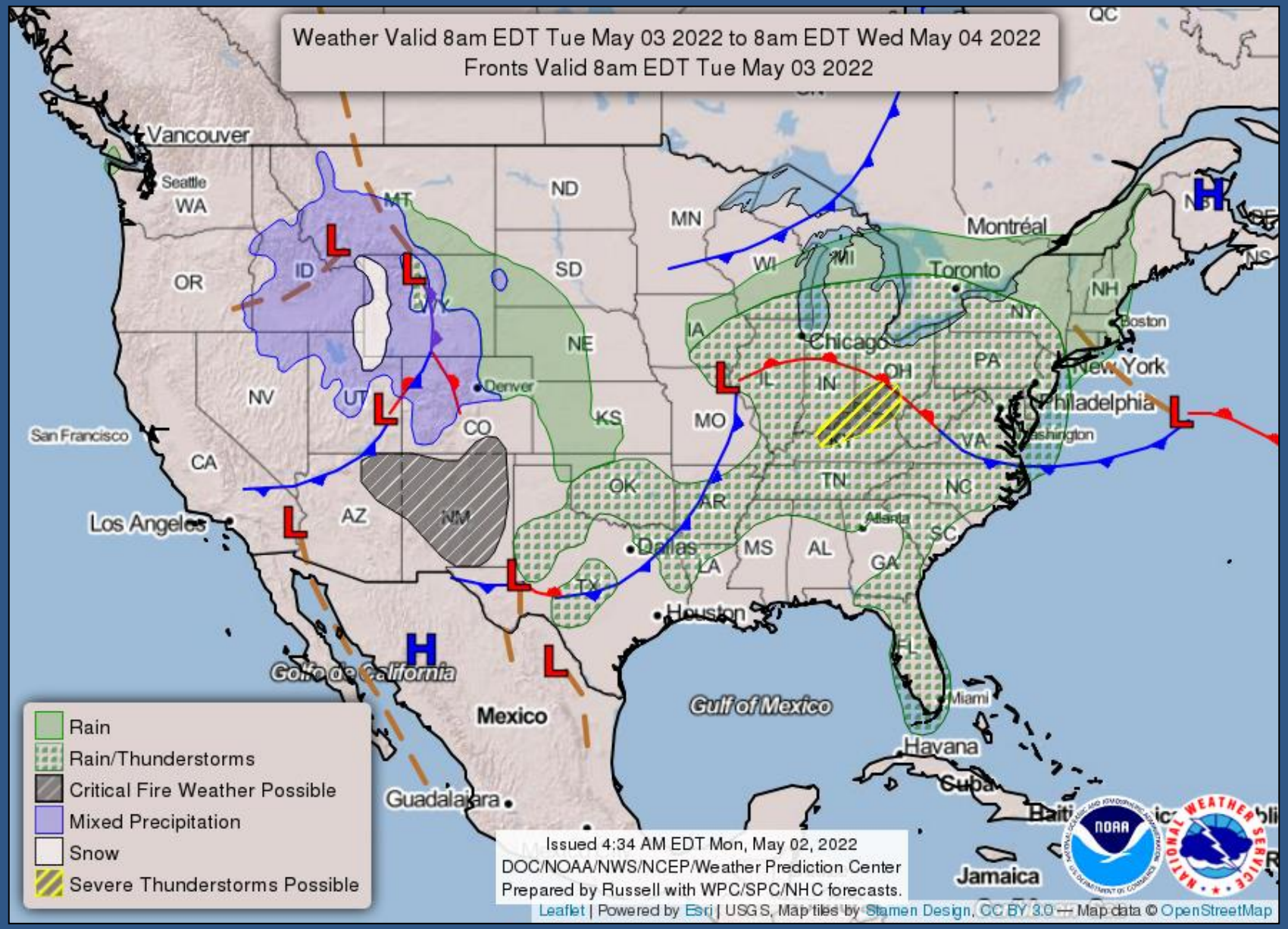


Surface Maps

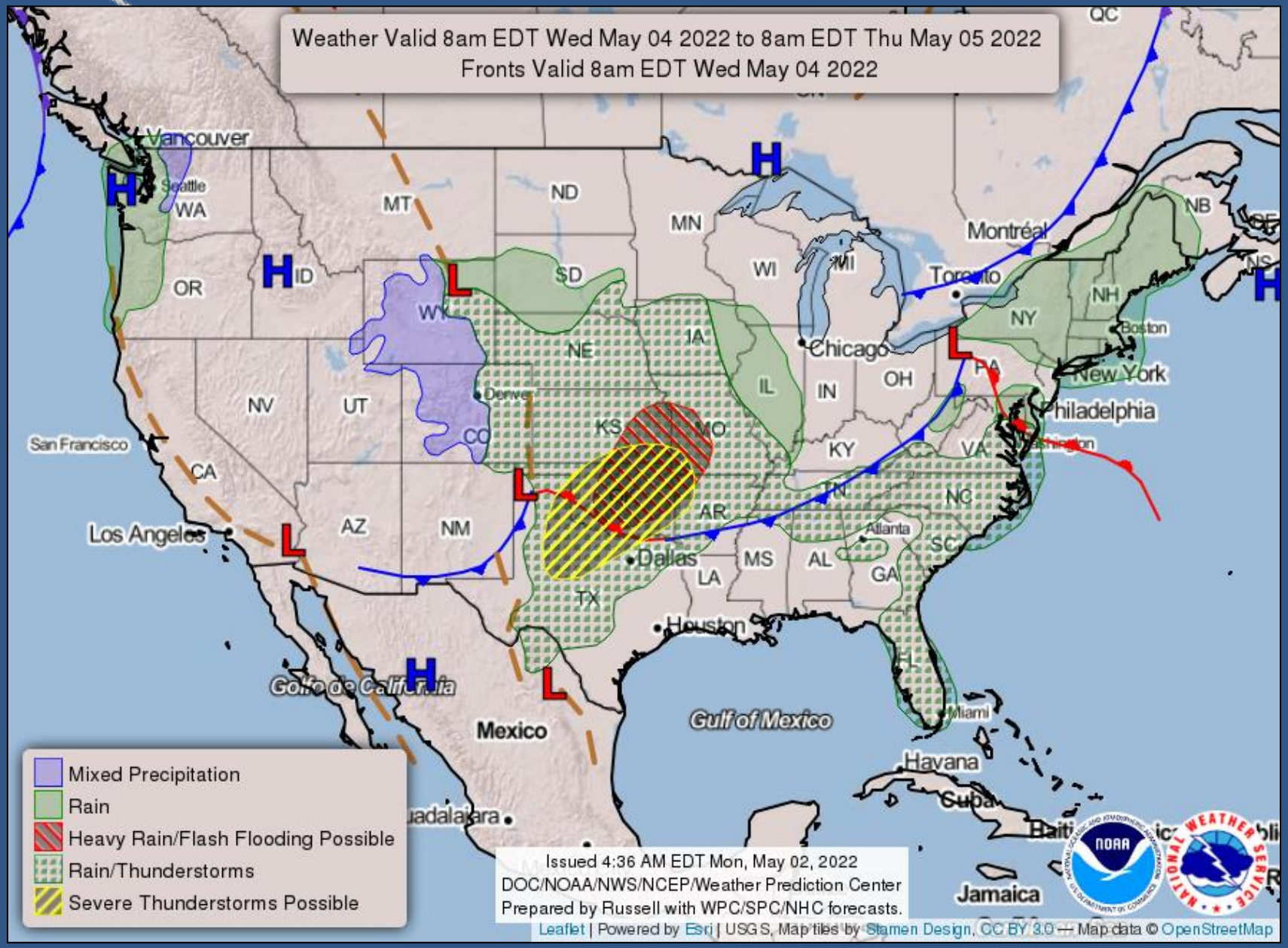
Today's Surface Map



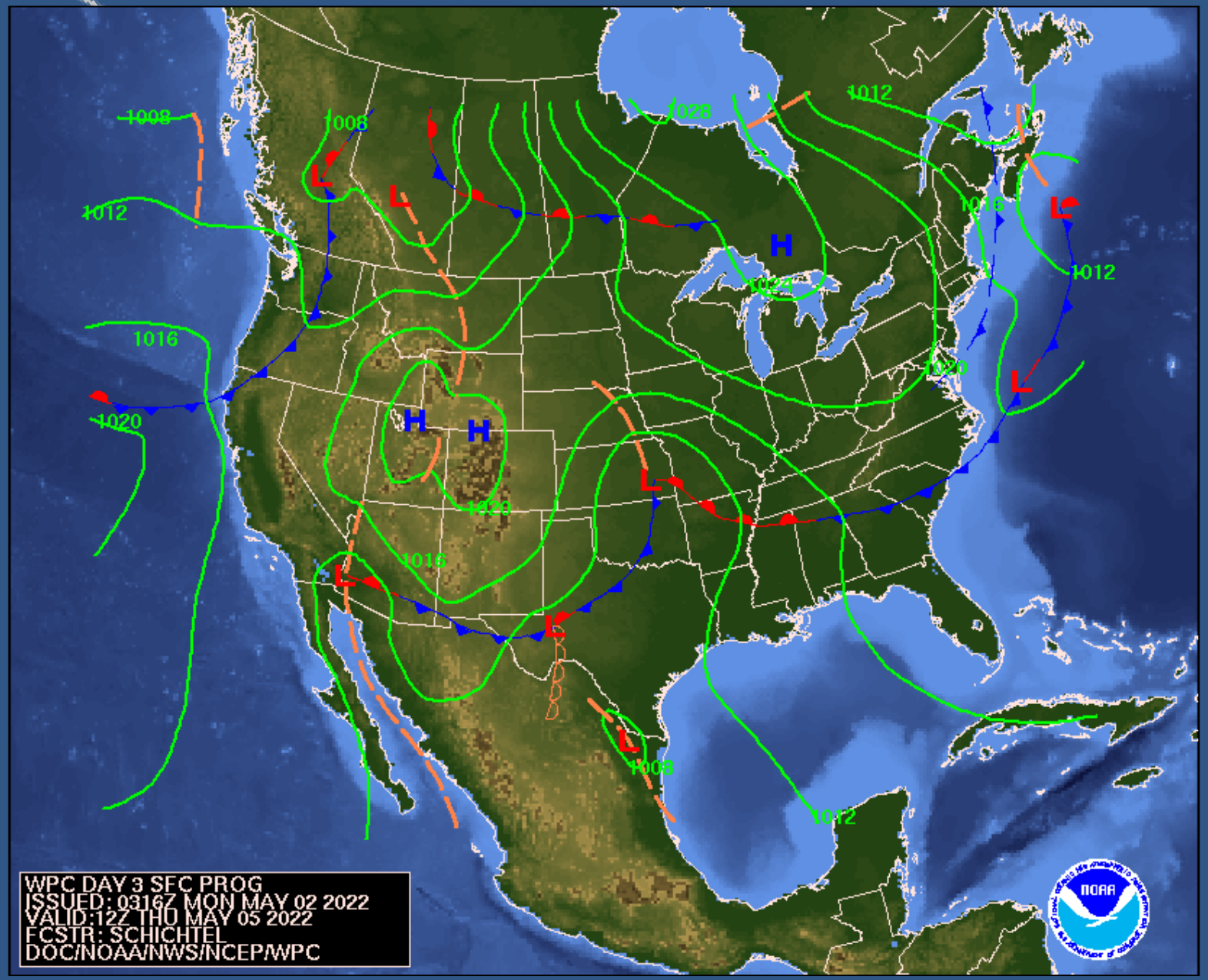
Tomorrow's Forecast



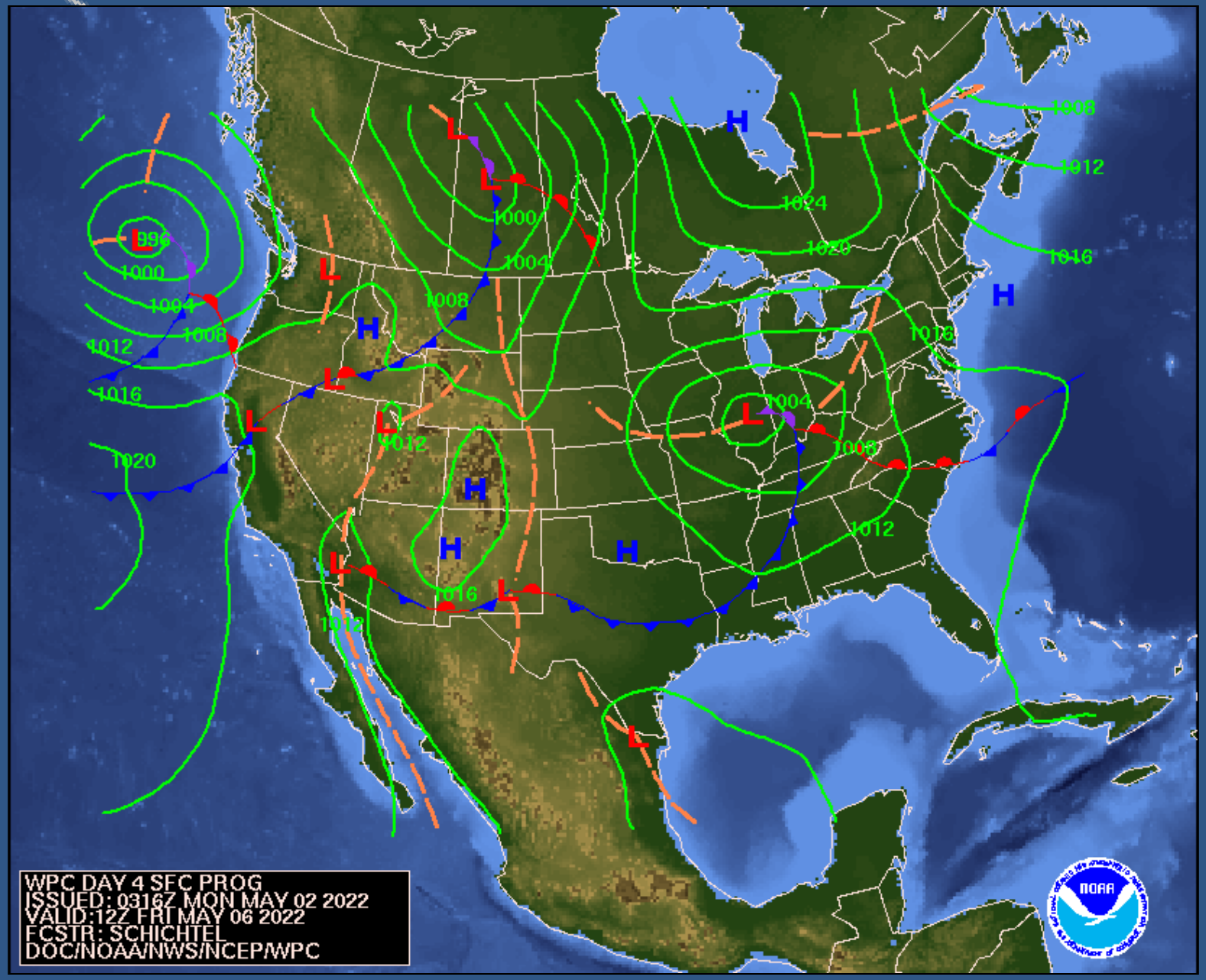
Day 3 Forecast



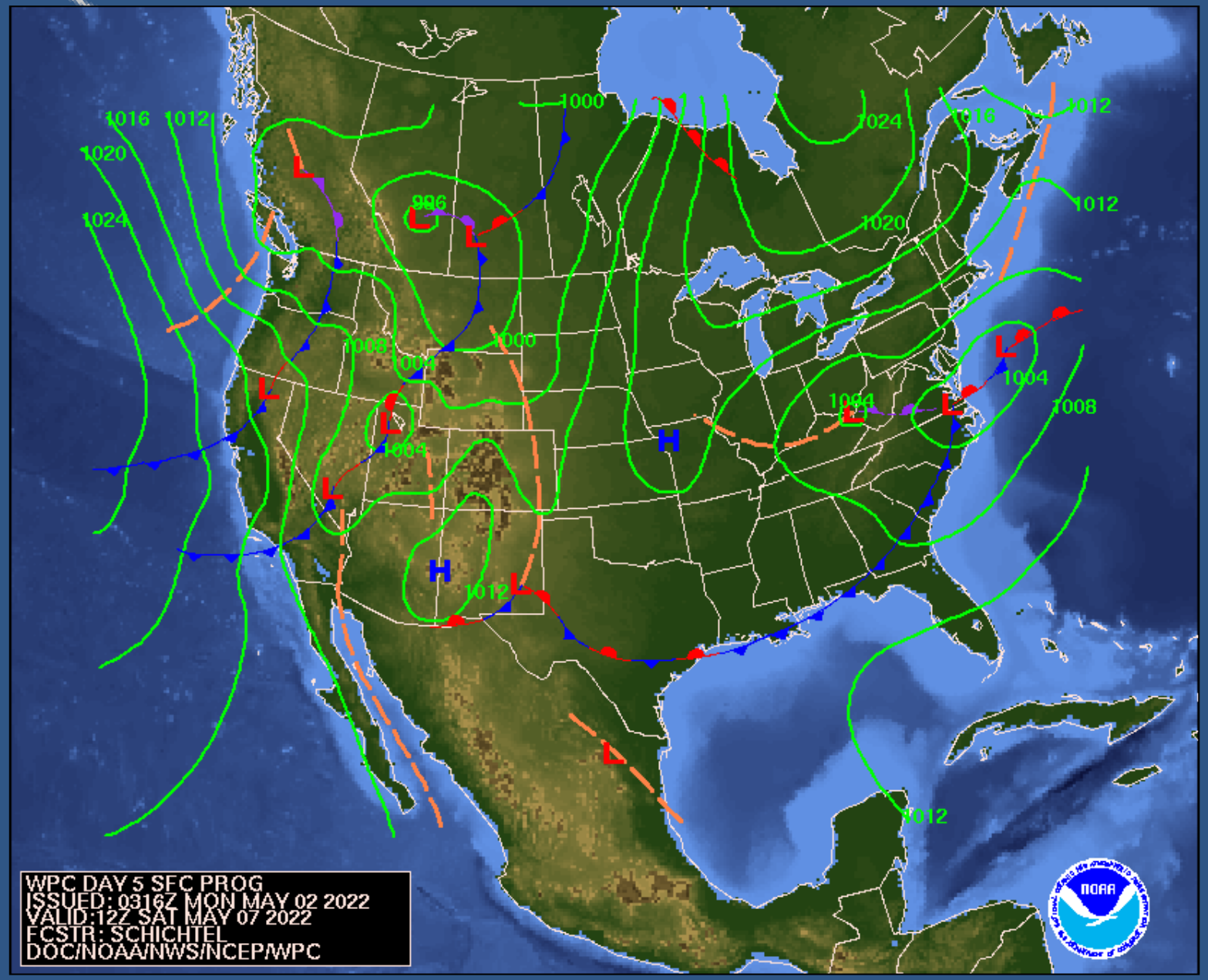
Day 3 Forecast at 7am



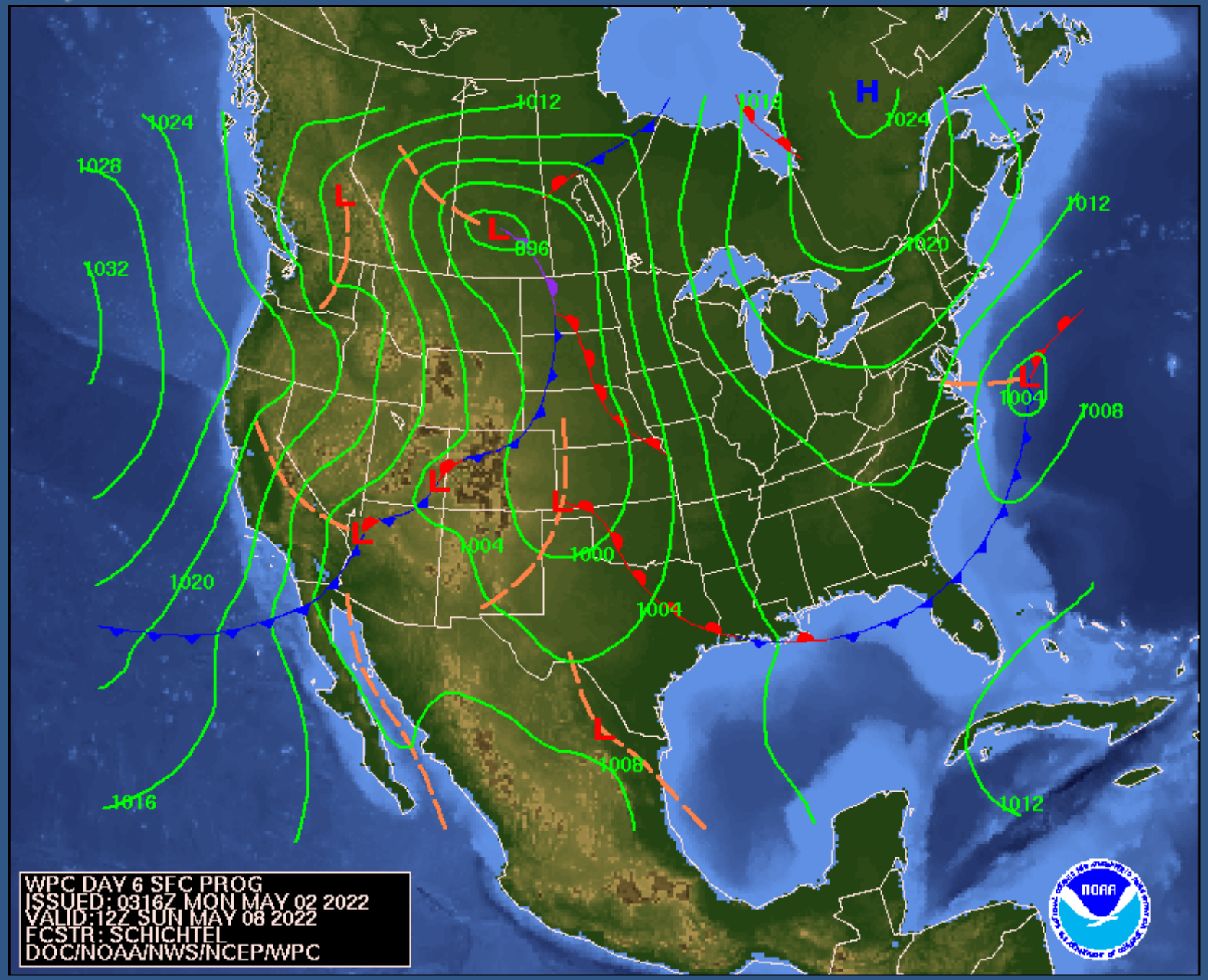
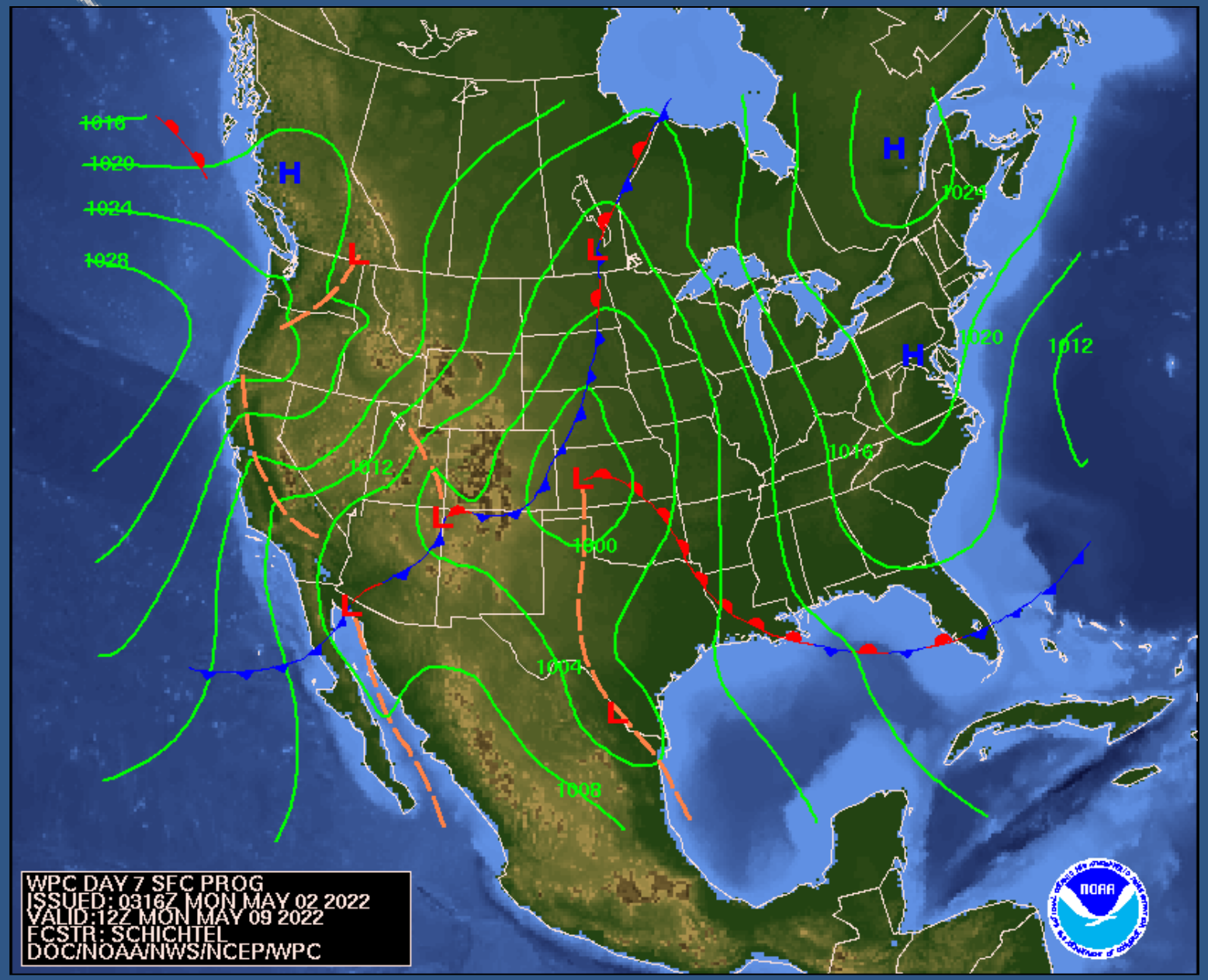
Day 4 Forecast at 7am



Day 5 Forecast at 7am



Day 6 Forecast at 7am



Day 7 Forecast at 7am