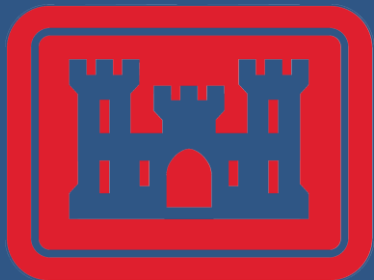


# National Weather Service Daily Briefing

Thursday, November 10, 2022

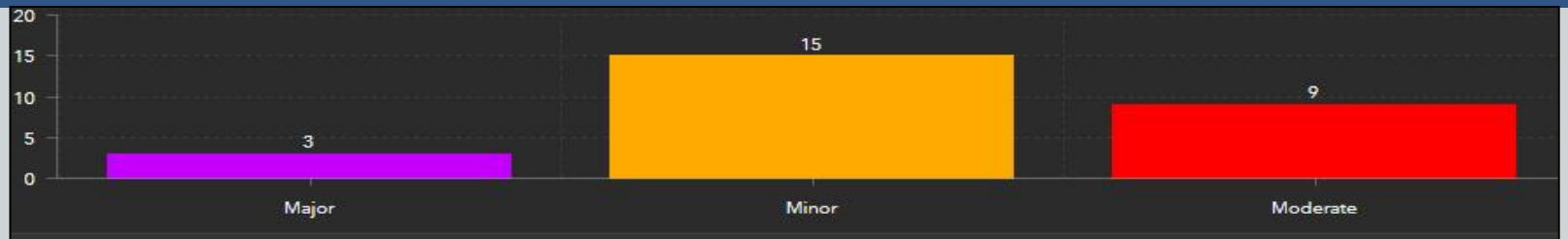
By Anna Wolverton



# Current Conditions



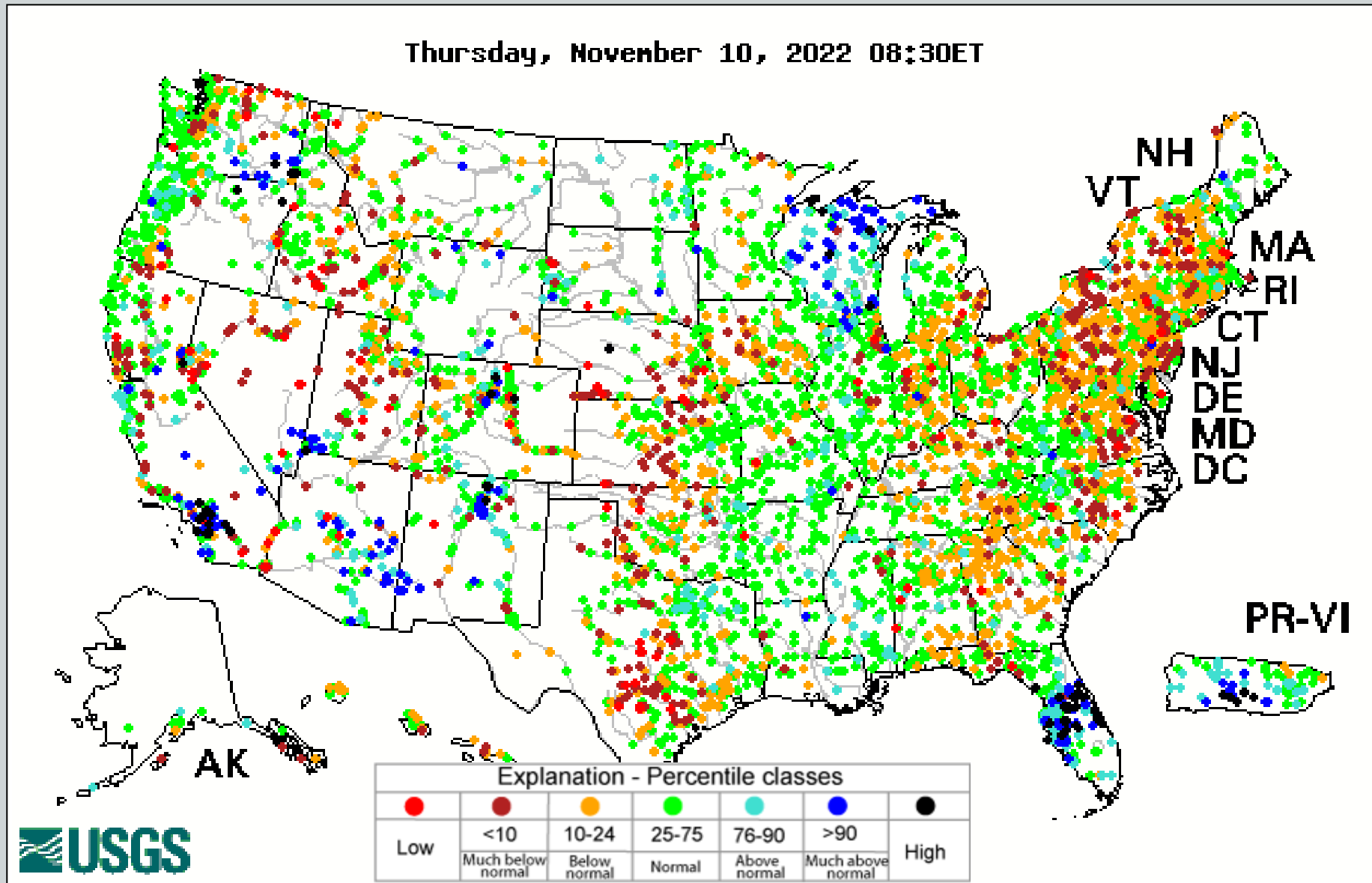
# Current Gauges At or Above Flood Stage





# Current Streamflow

Thursday, November 10, 2022 08:30ET

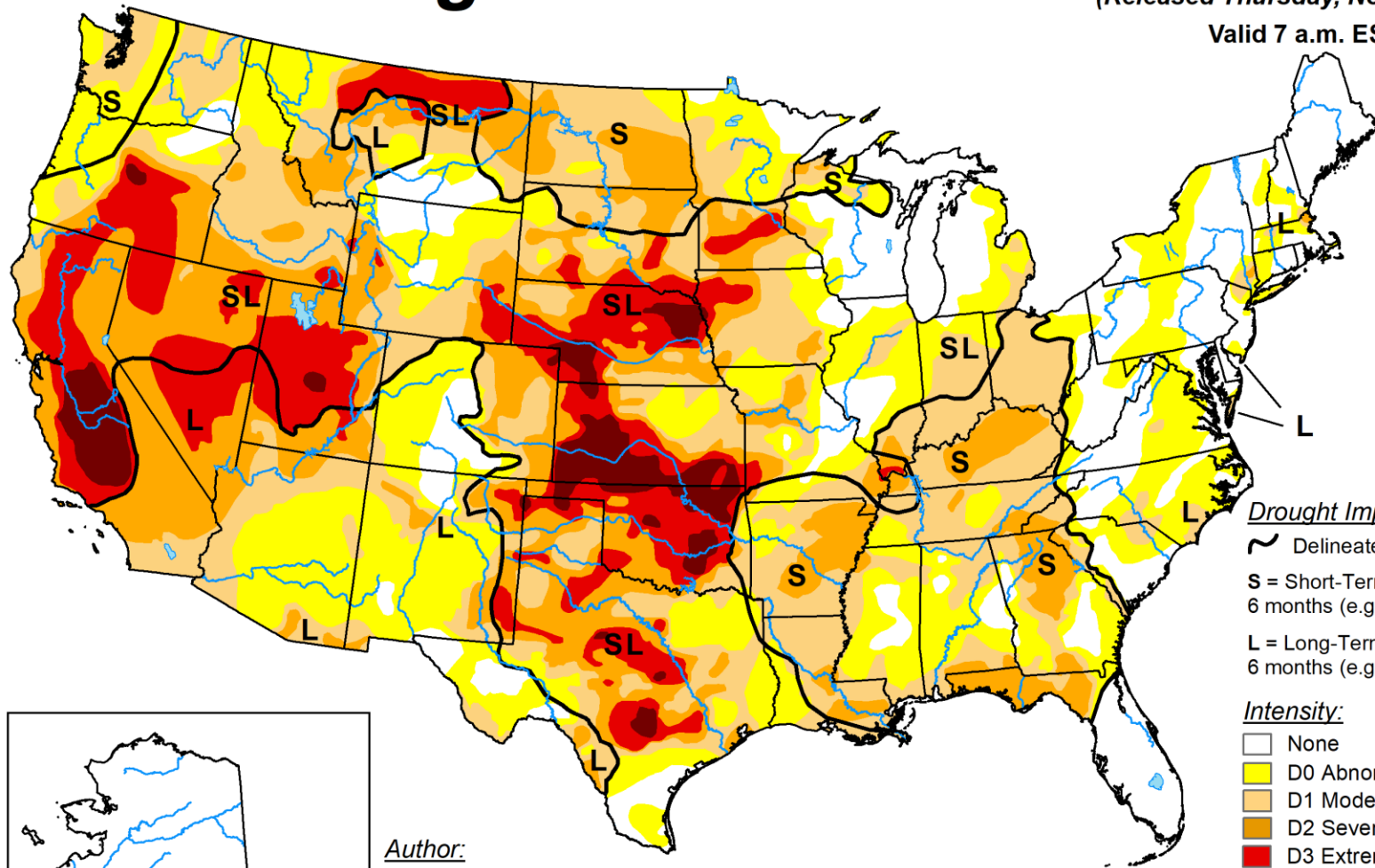


# U.S. Drought Monitor

November 8, 2022

(Released Thursday, Nov. 10, 2022)

Valid 7 a.m. EST

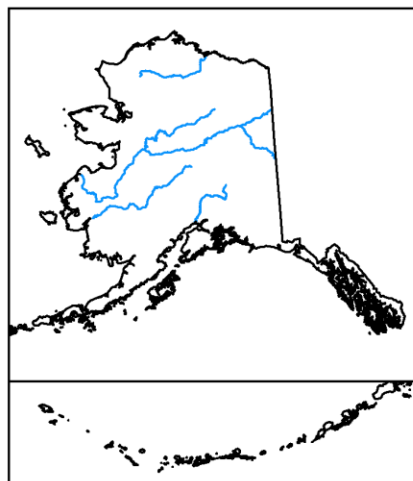


### Drought Impact Types:

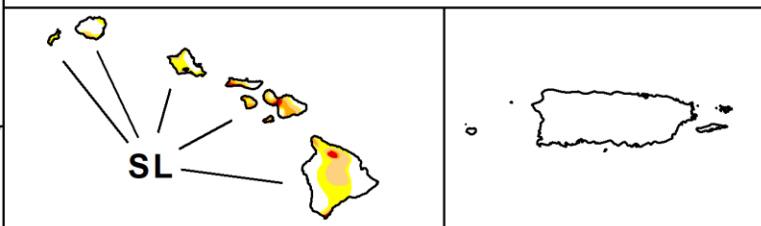
- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

### Intensity:

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



Author:  
Brian Fuchs  
National Drought Mitigation Center



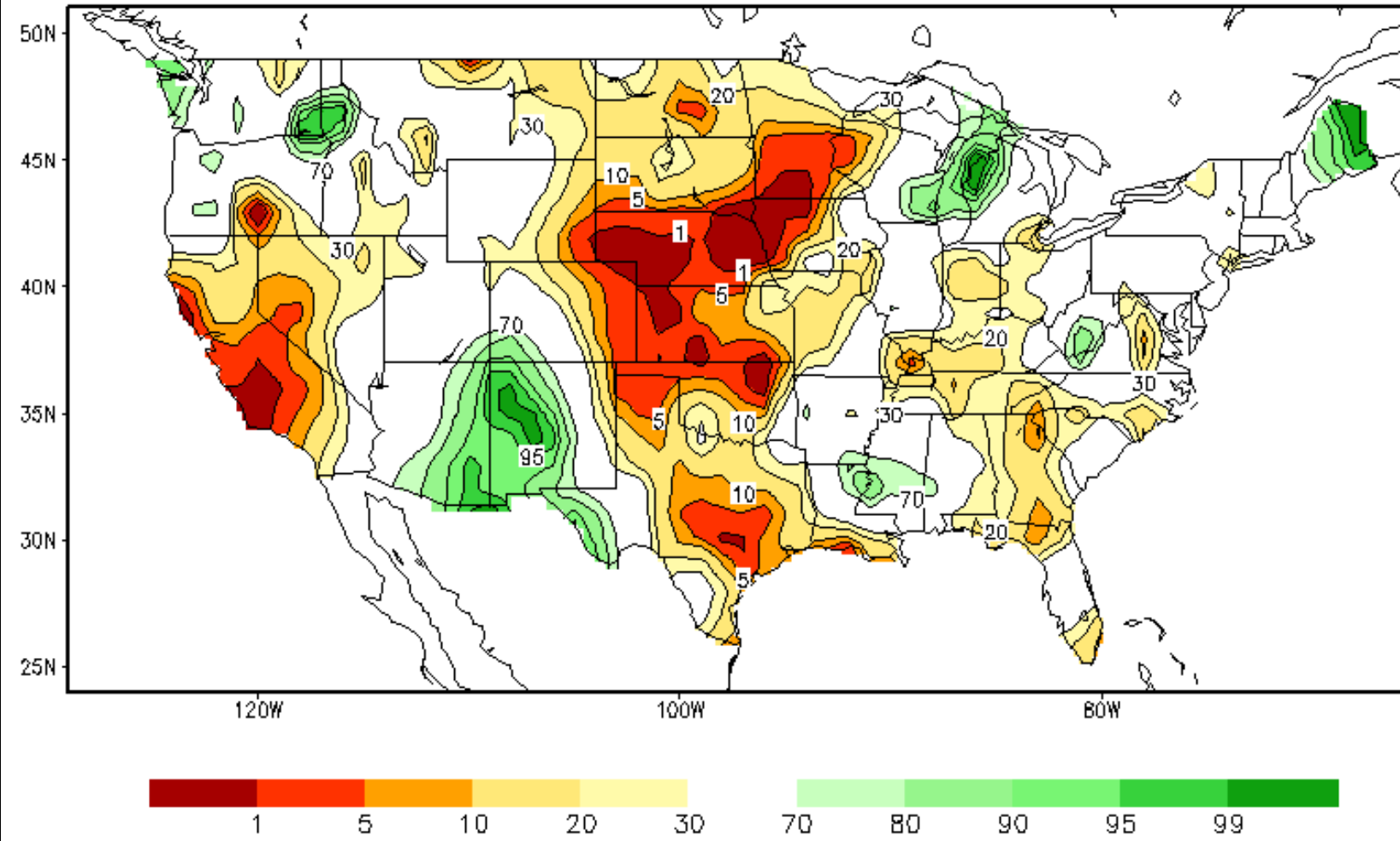
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# Soil Moisture Percentile

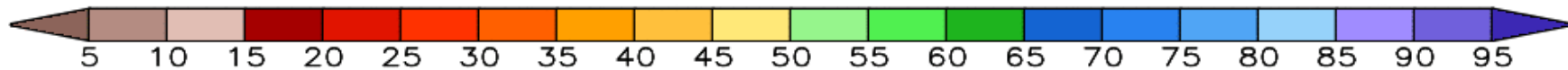
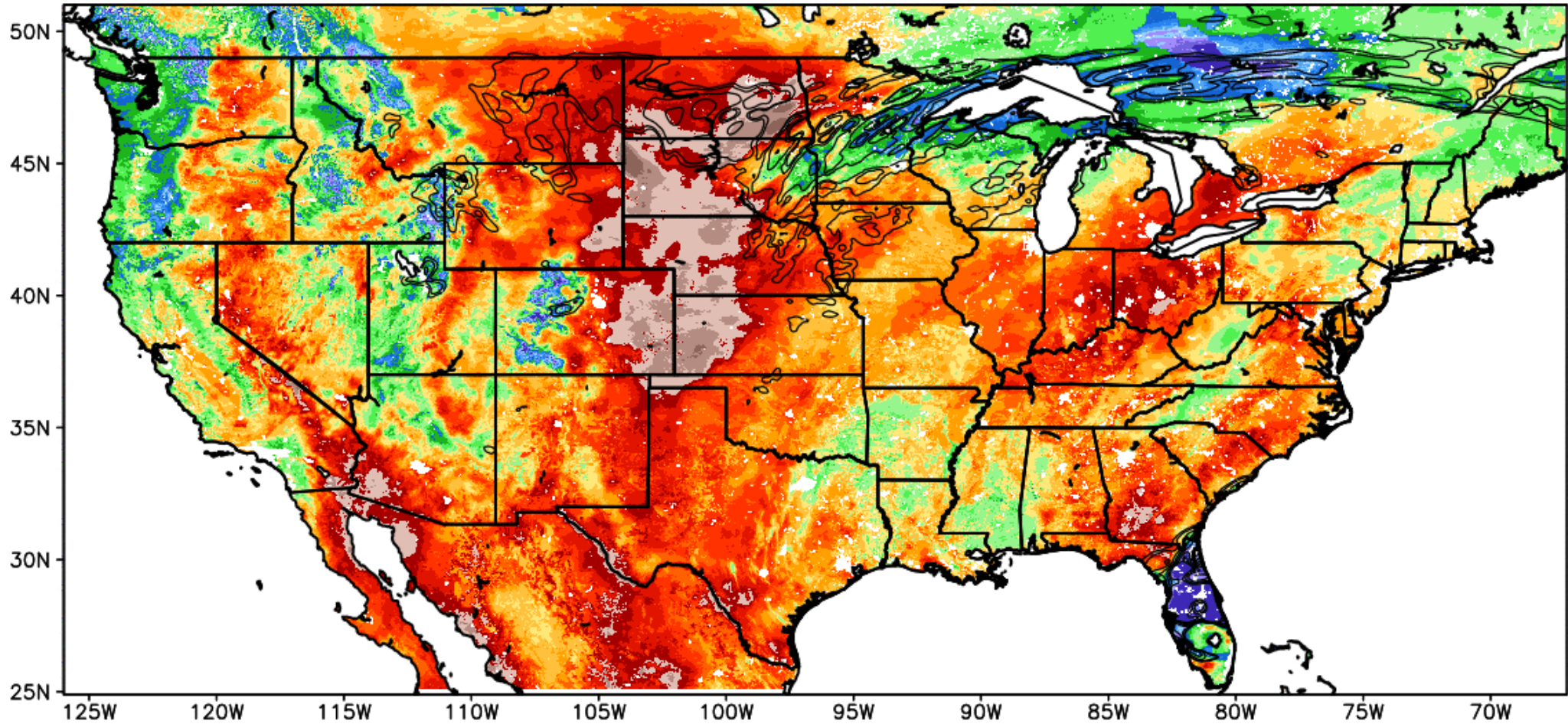
Calculated Soil Moisture Ranking Percentile  
NOV 09, 2022



# Soil Moisture

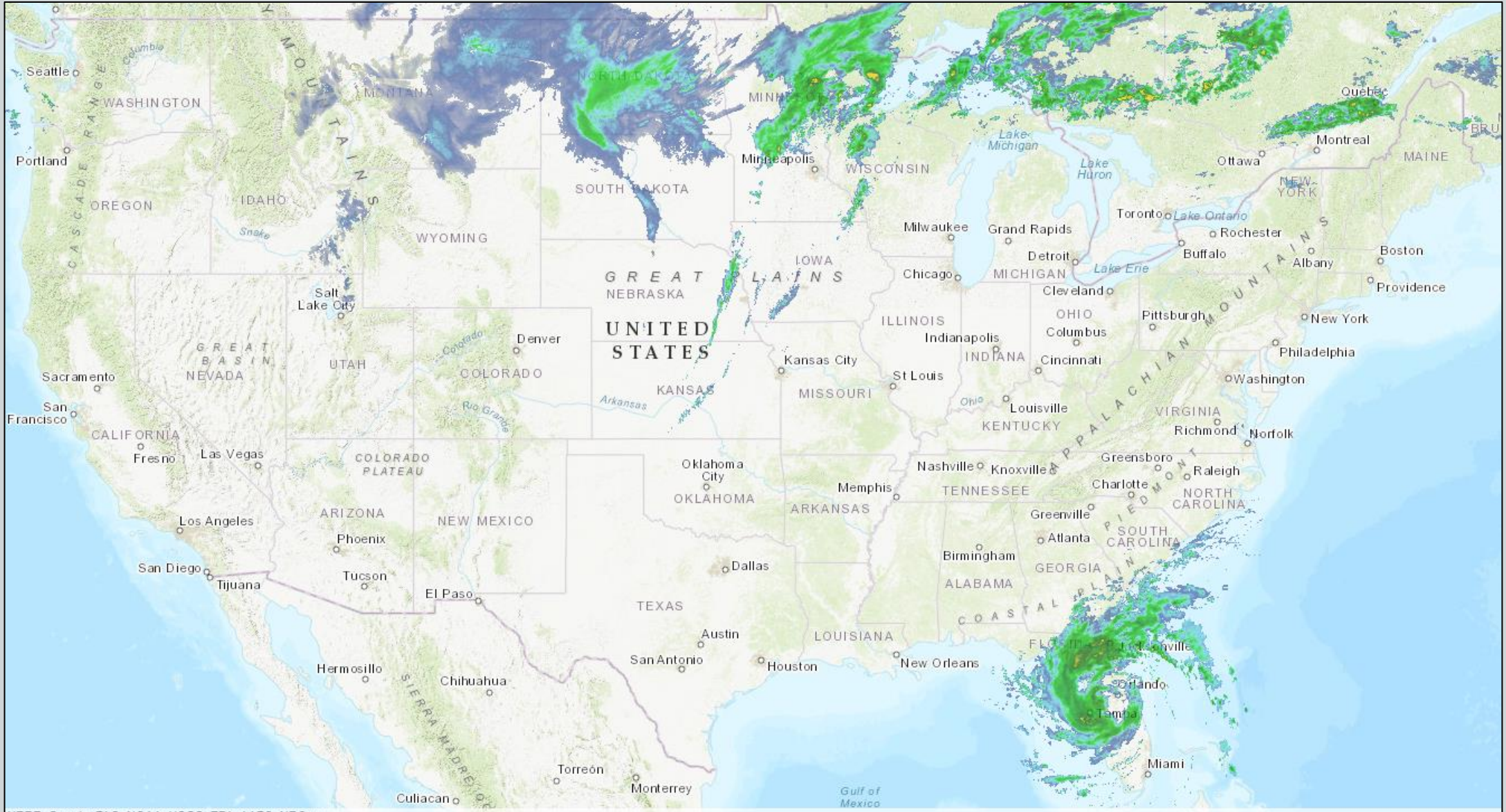
0–10 cm Relative Soil Moisture (available water; %) valid 12z 10 Nov 2022

Precipitation in previous hour (1,2,5,10,15,20,25 mm contours)





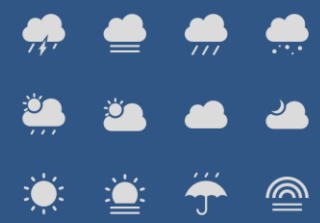
# Current Radar



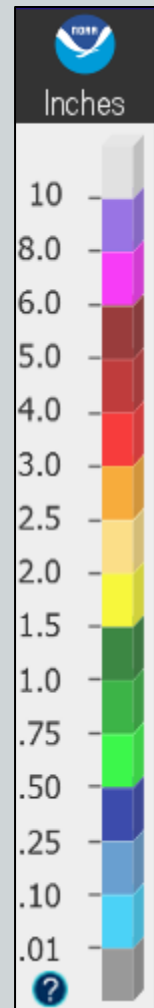
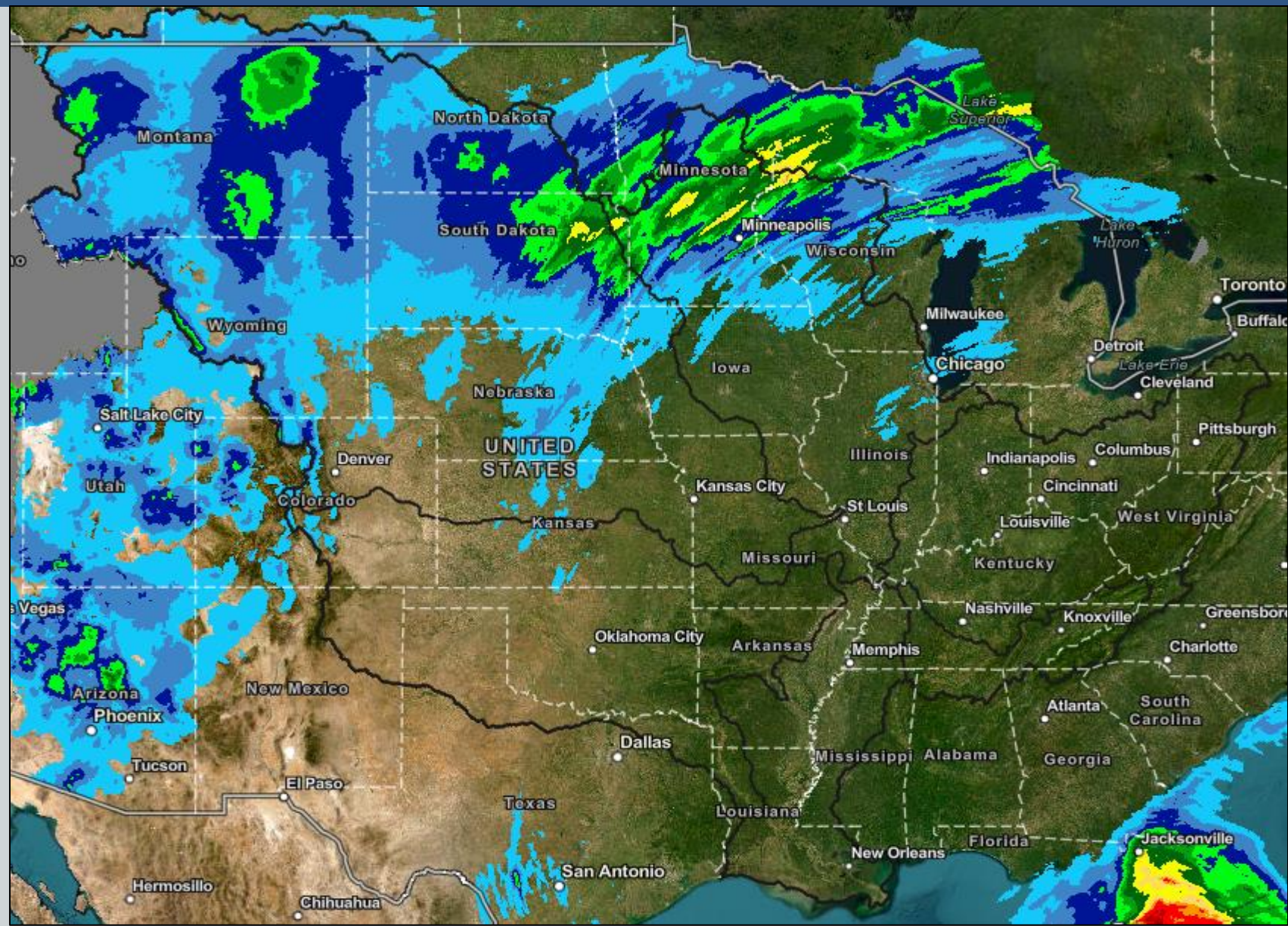


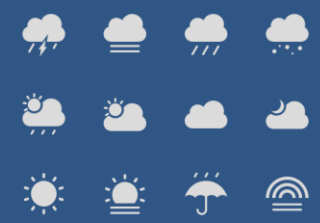
# Past Precipitation





# Past 24hr Precip Ending at 7 AM

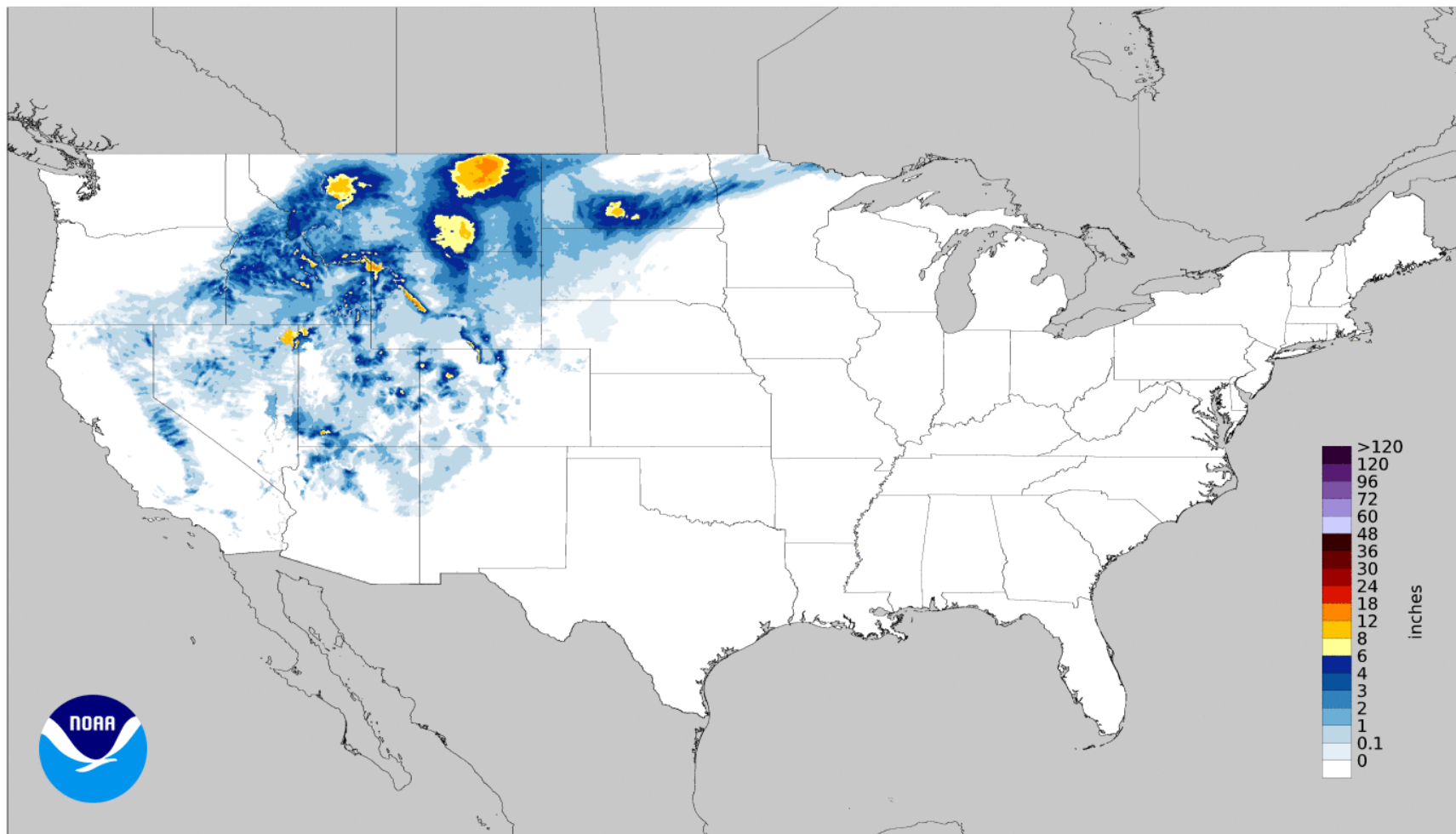


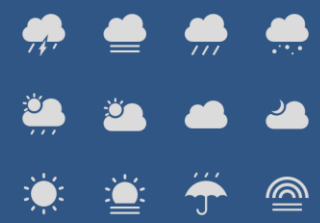


# 24 hr Snowfall Ending at 7 PM

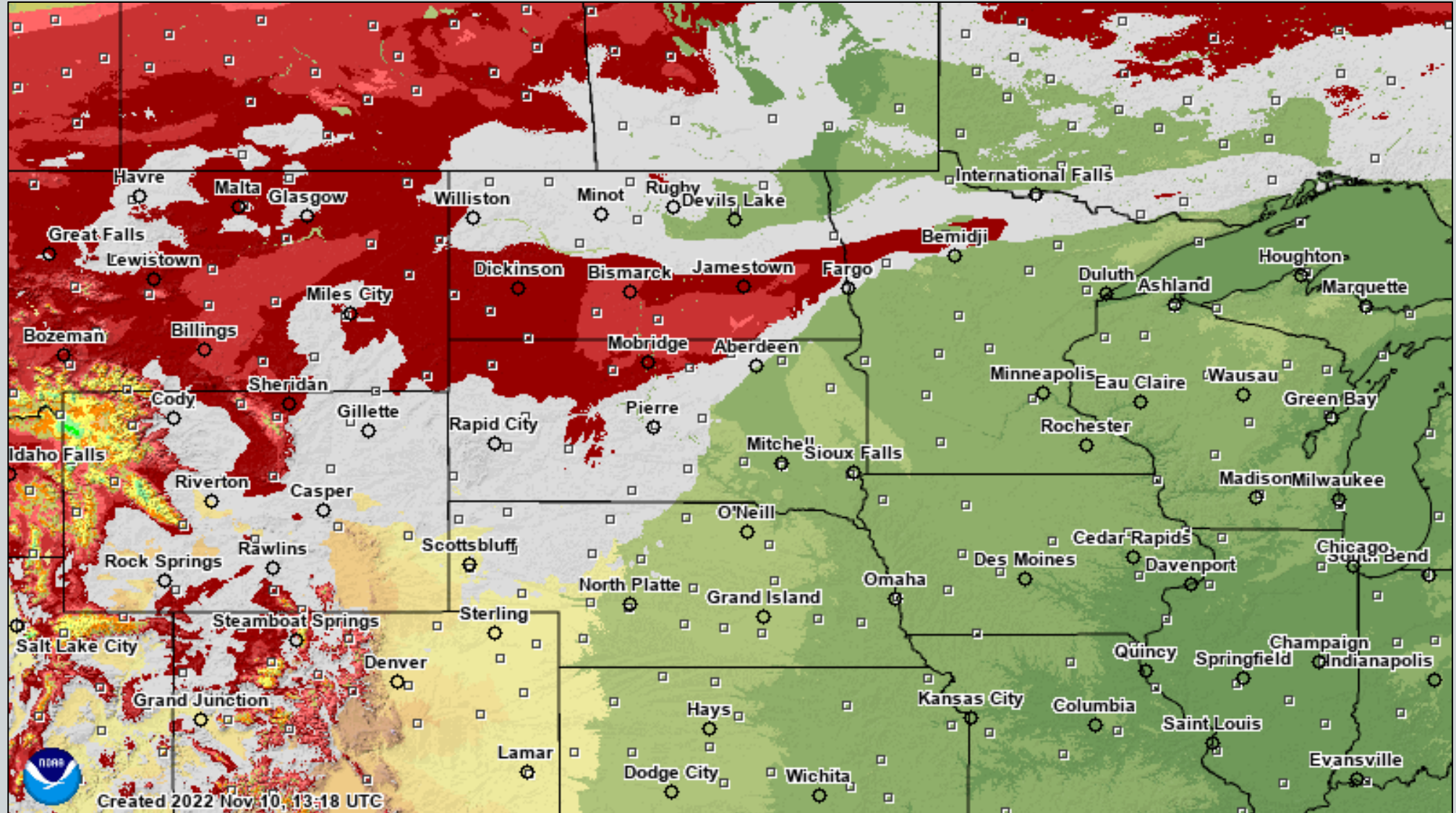
National Snowfall Analysis: 24-hour accumulation ending 2022-11-10 12 UTC

4223 reports; issued 2022-11-10 13:56:50 UTC

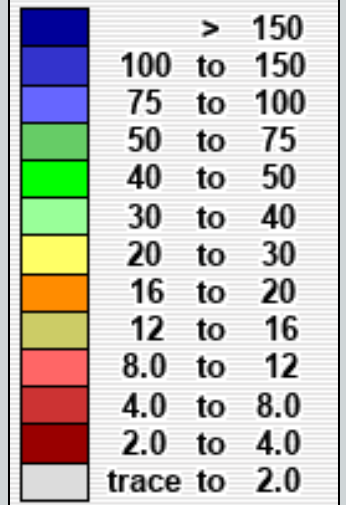




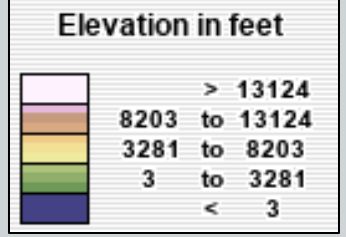
# Snow Depth



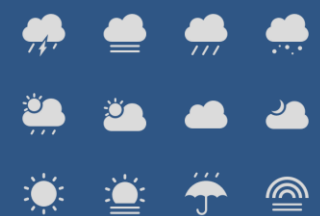
### Inches of depth



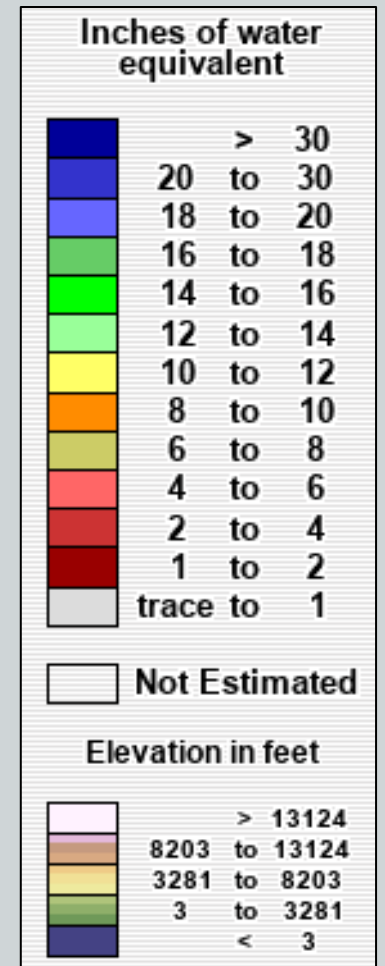
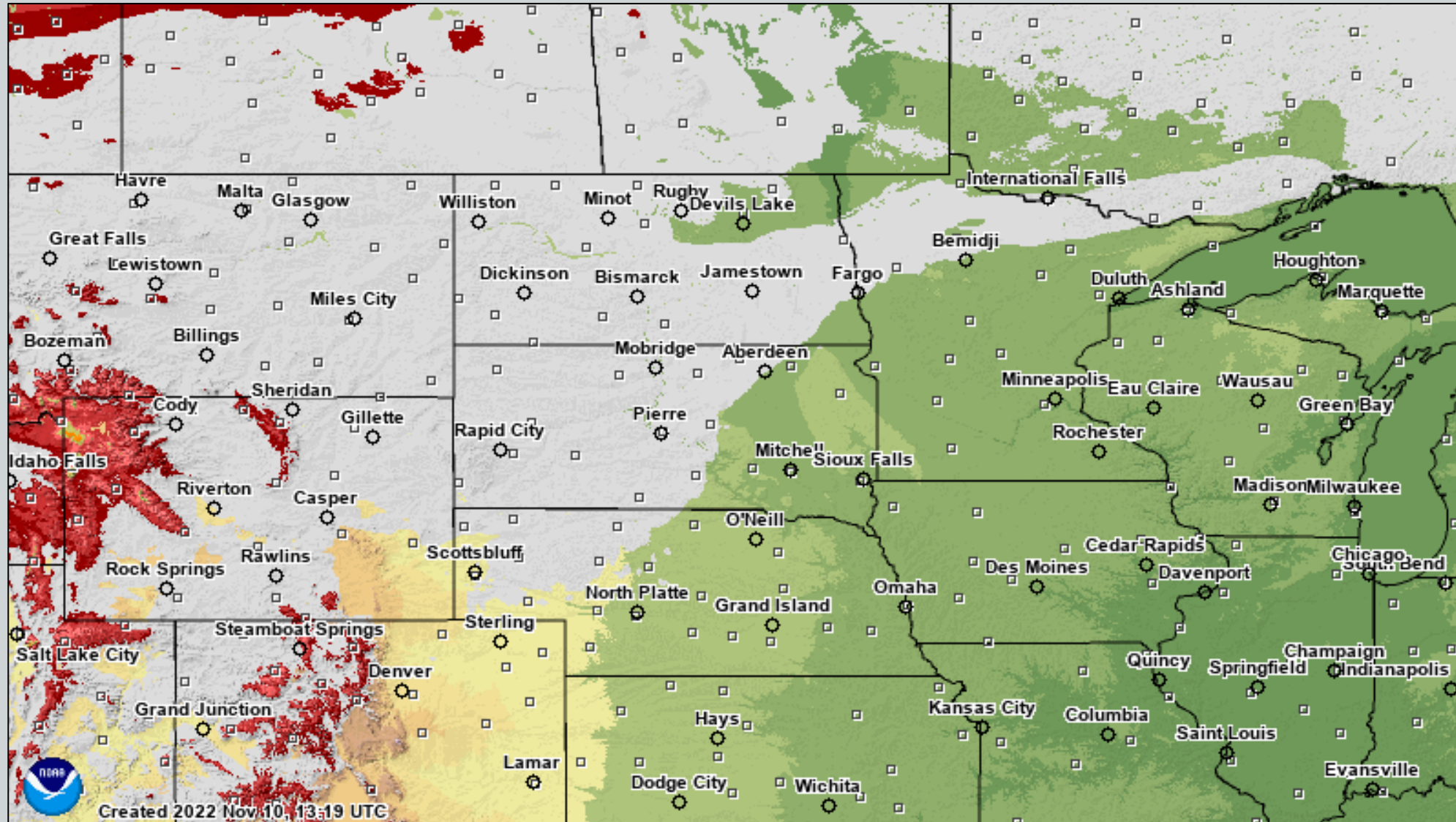
### Not Estimated

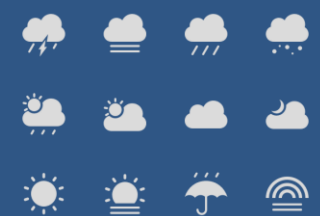


Created 2022 Nov. 10, 13:18 UTC

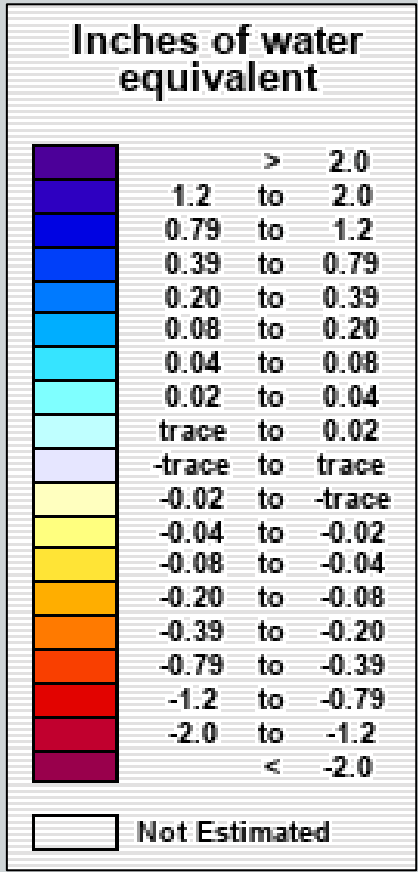
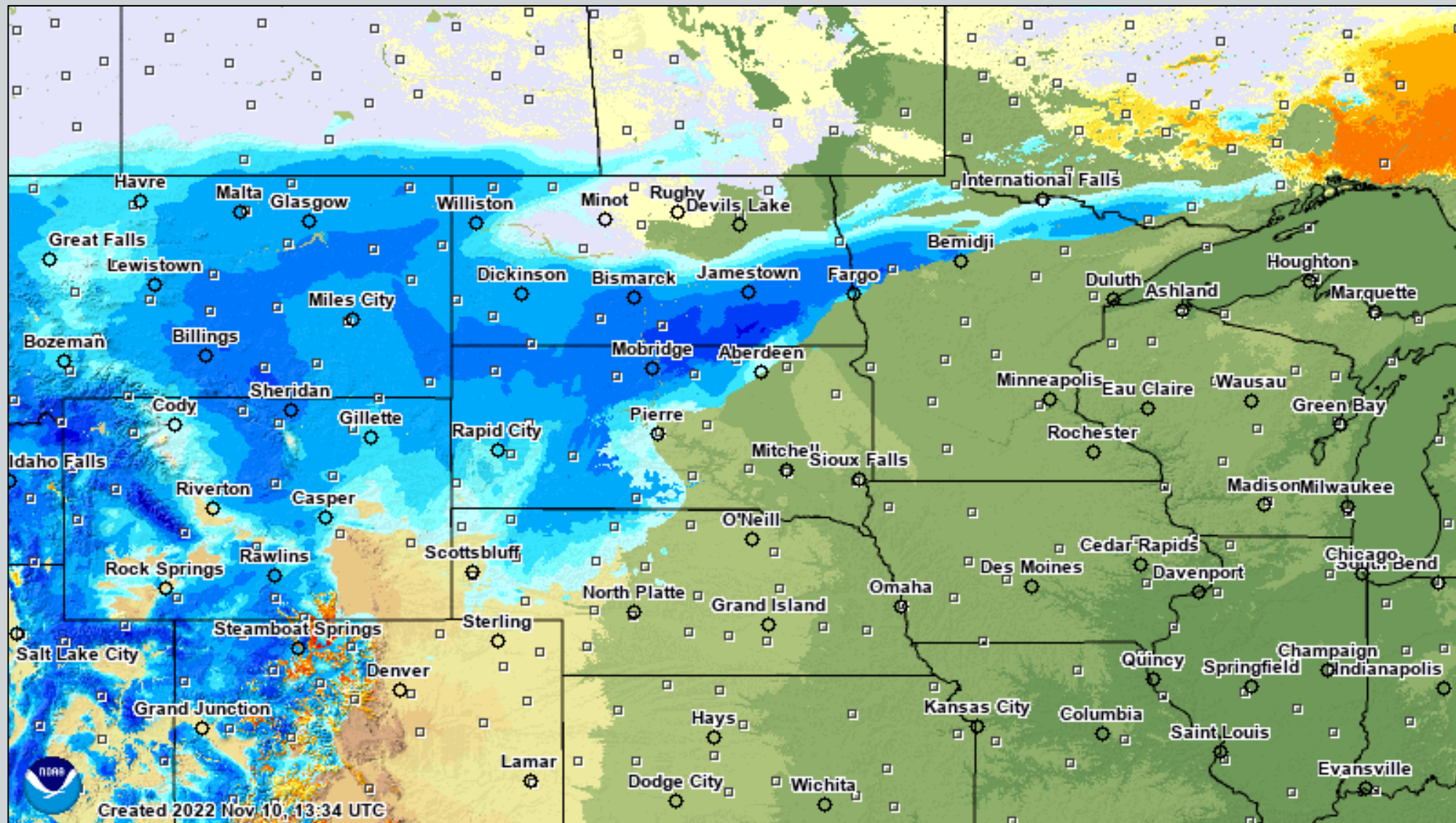


# Snow Water Equivalent





# 24 hr Change in SWE

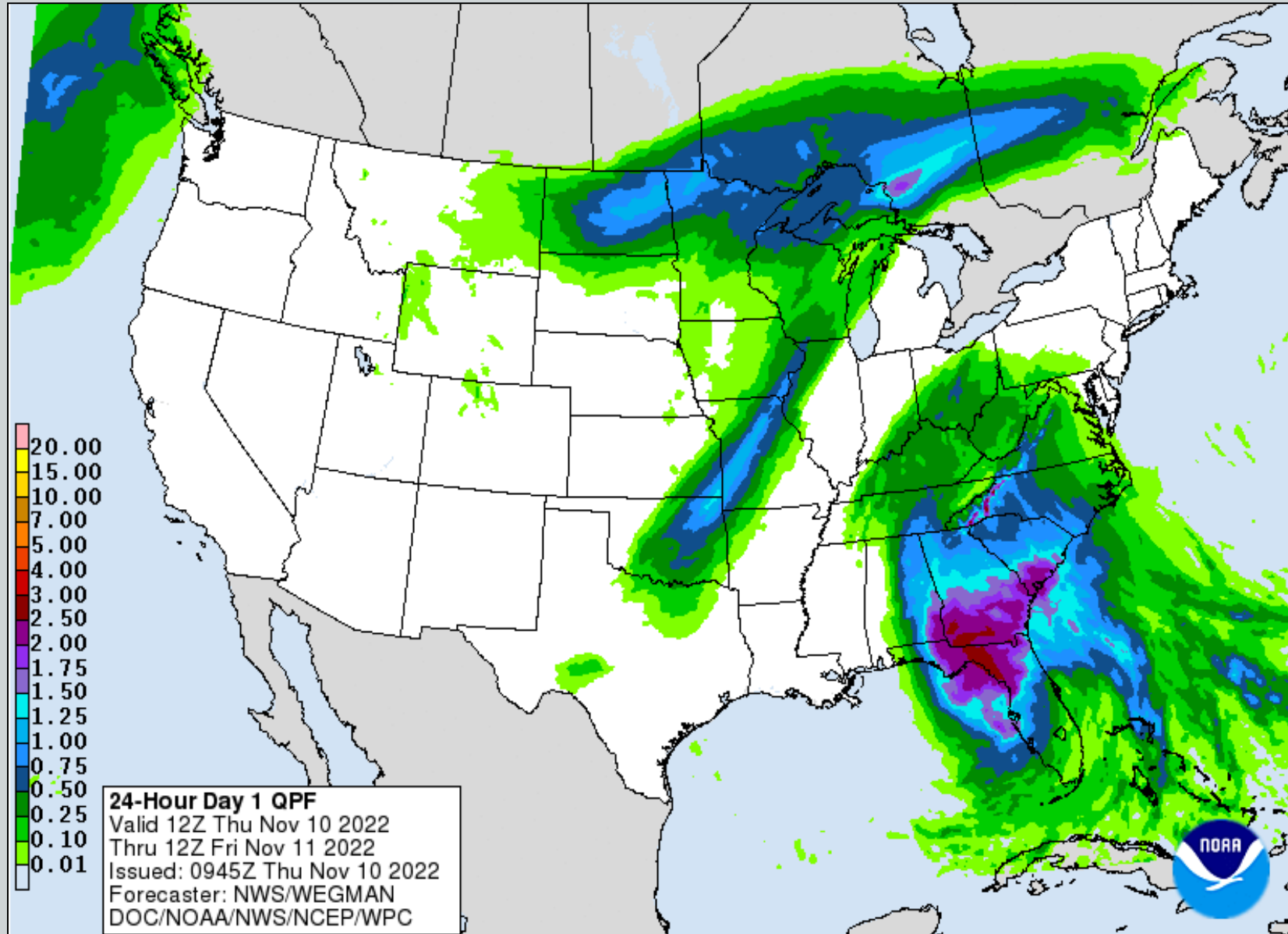


# Forecast Precipitation





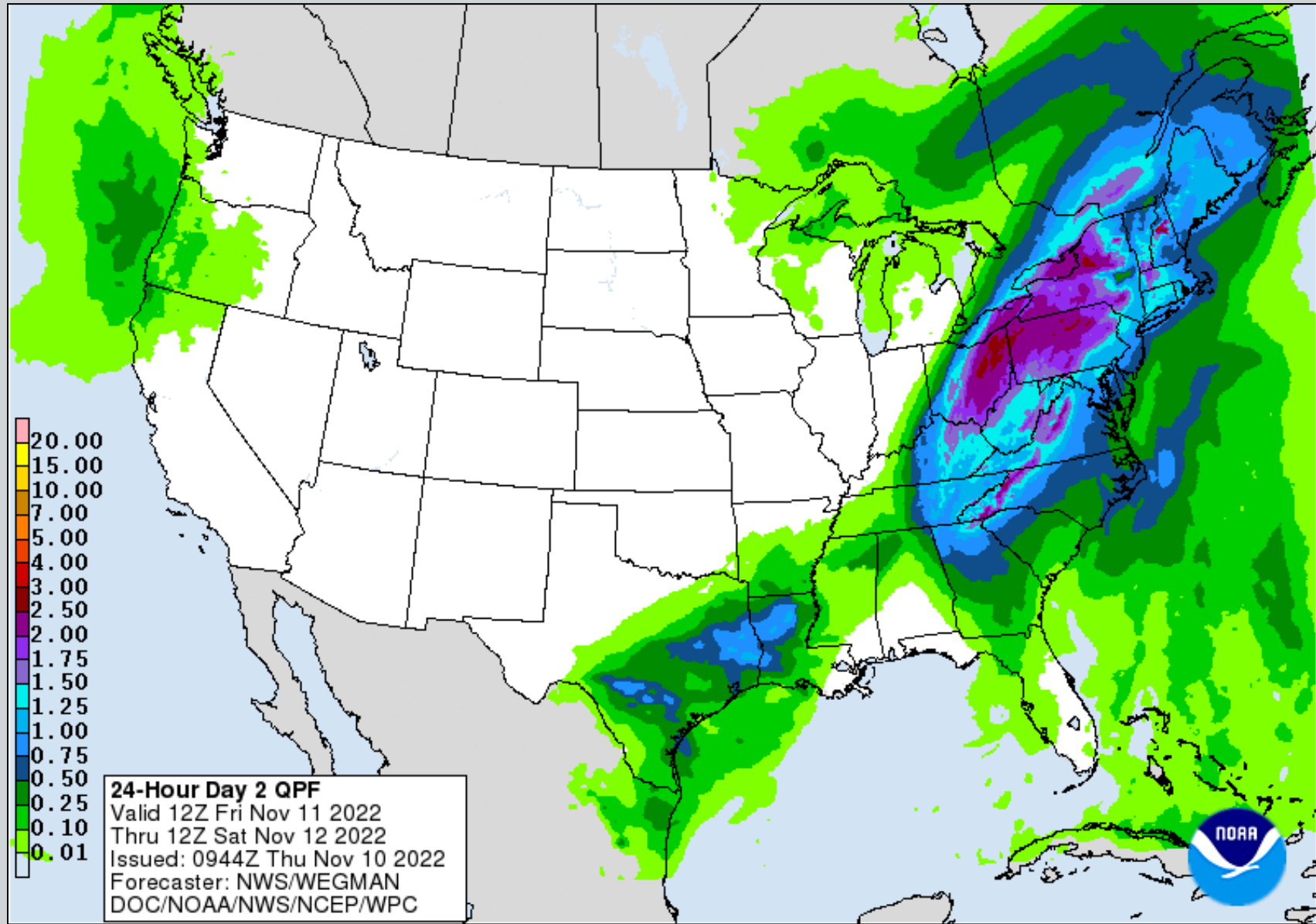
# Day 1 Precip Forecast





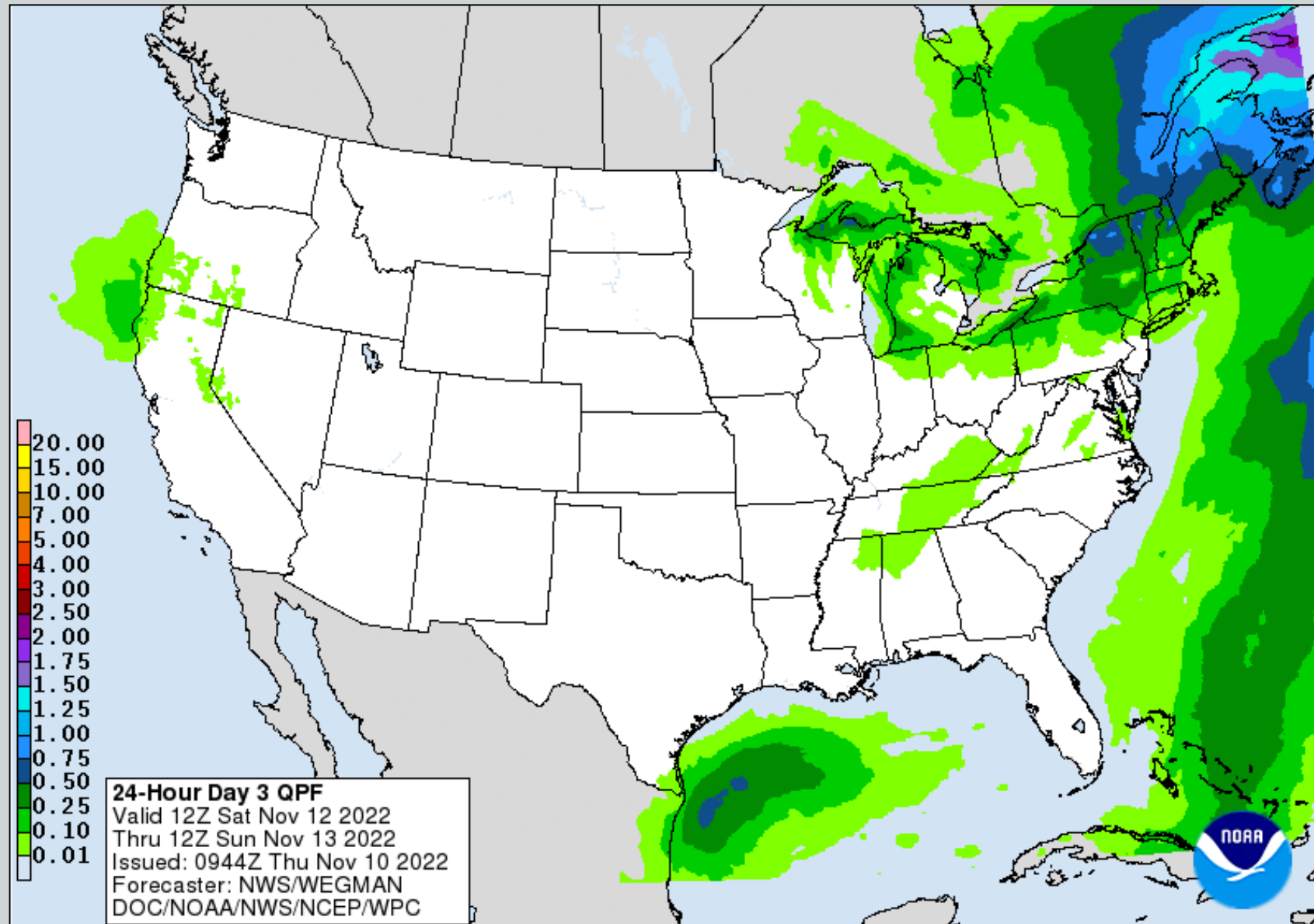


# Day 2 Precip Forecast



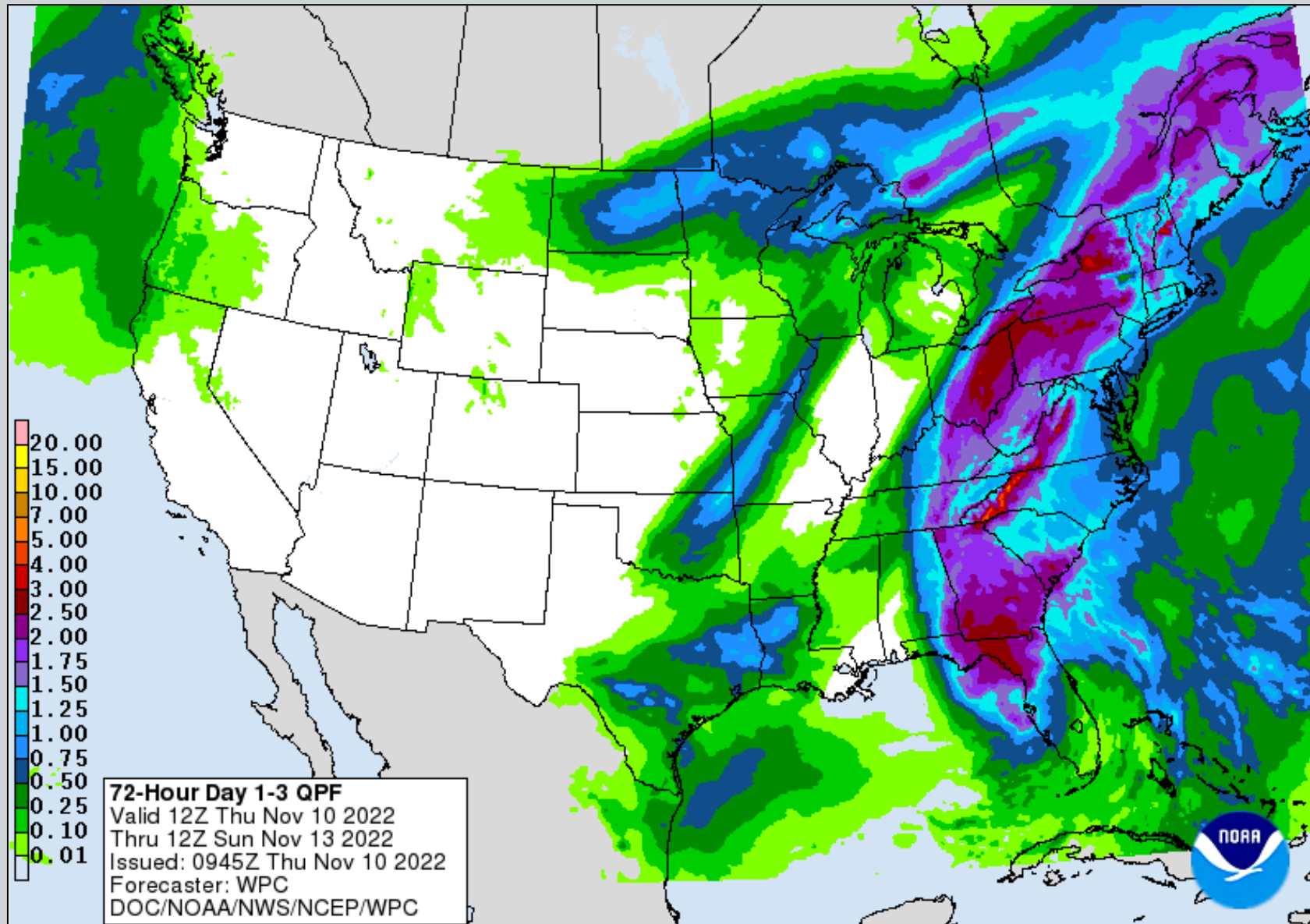


# Day 3 Precip Forecast



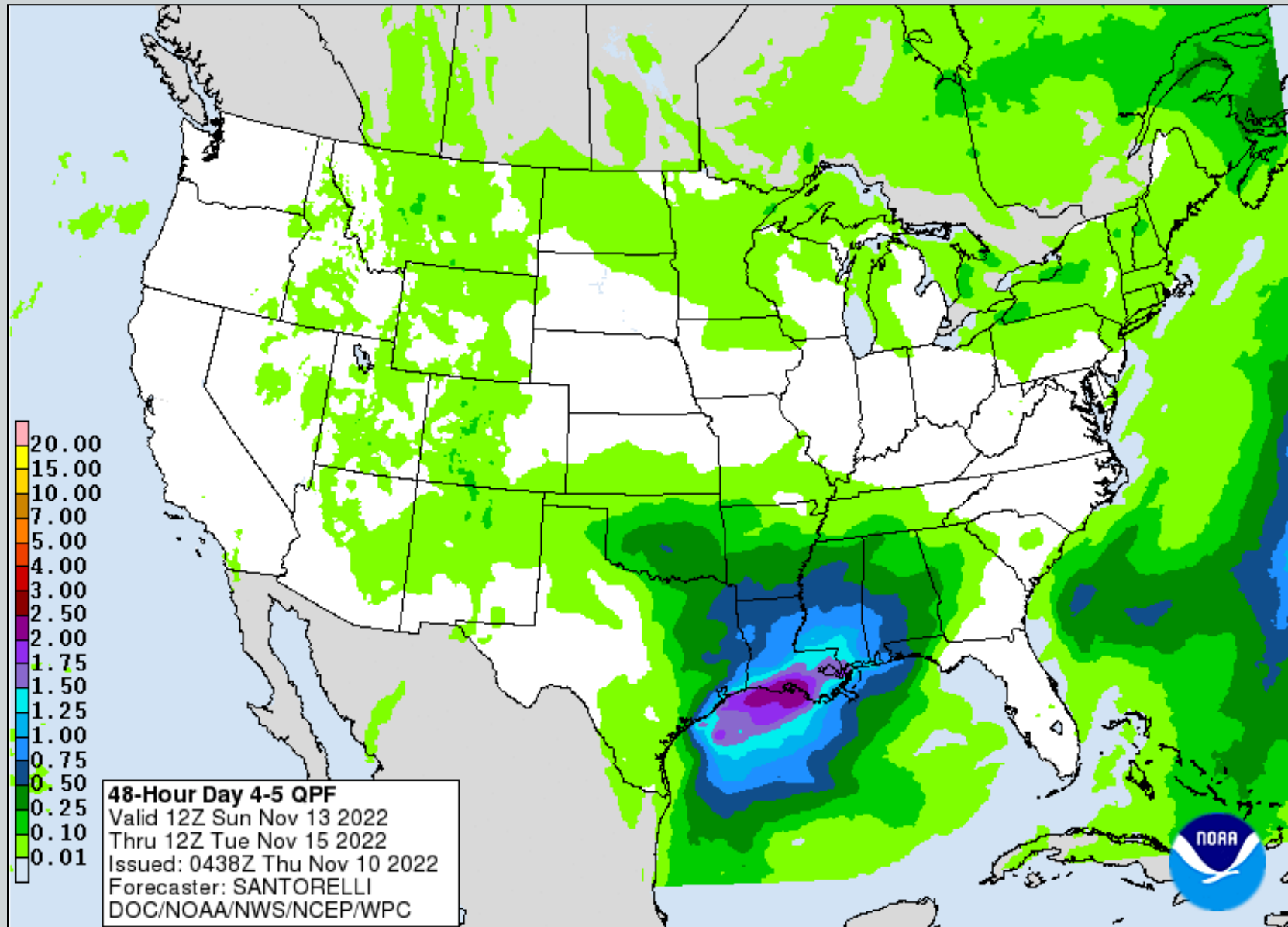


# Days 1-3 Precip Forecast



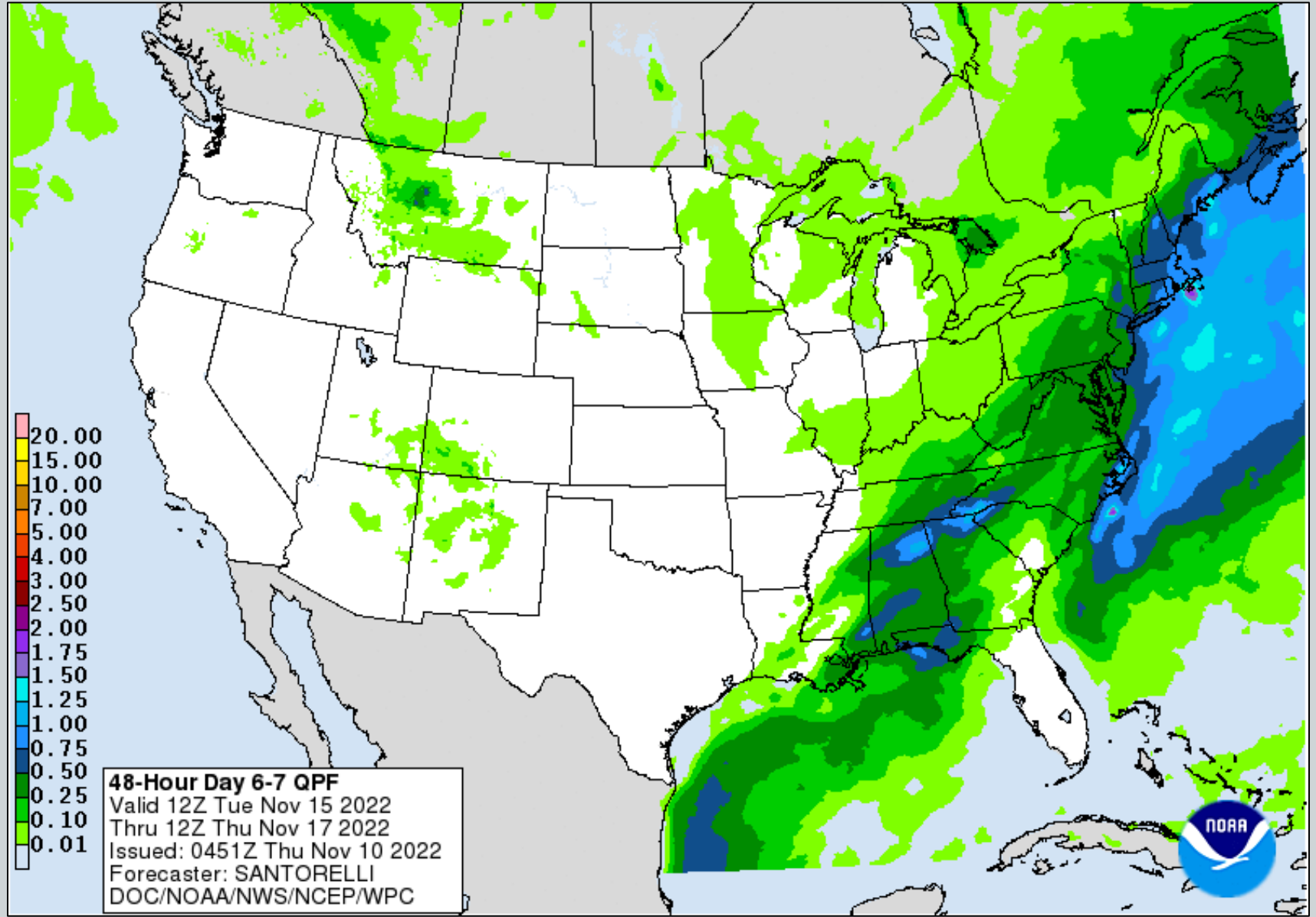


# Days 4-5 Precip Forecast



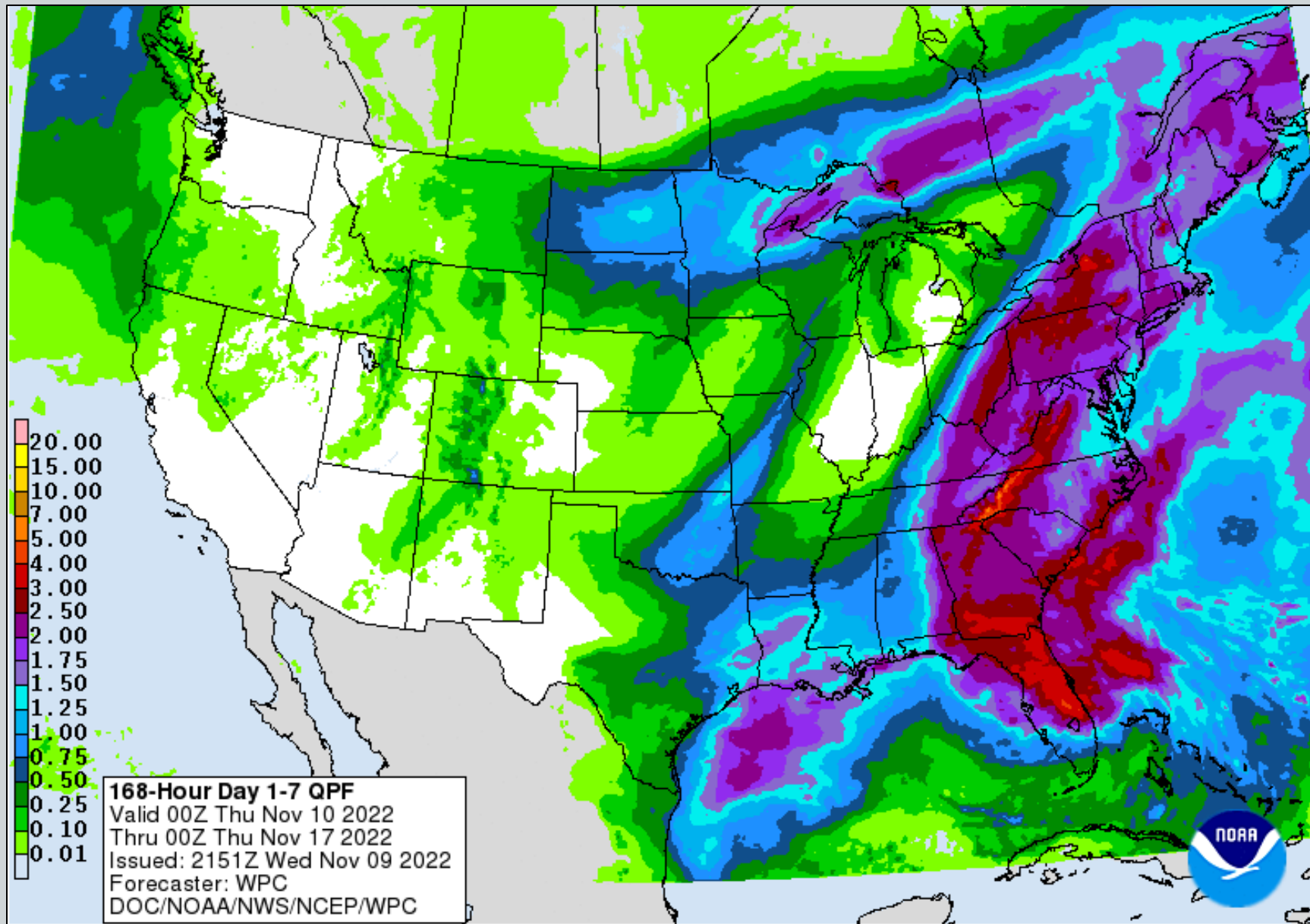


# Days 6-7 Precip Forecast



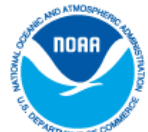


# 7 Day Precip Forecast



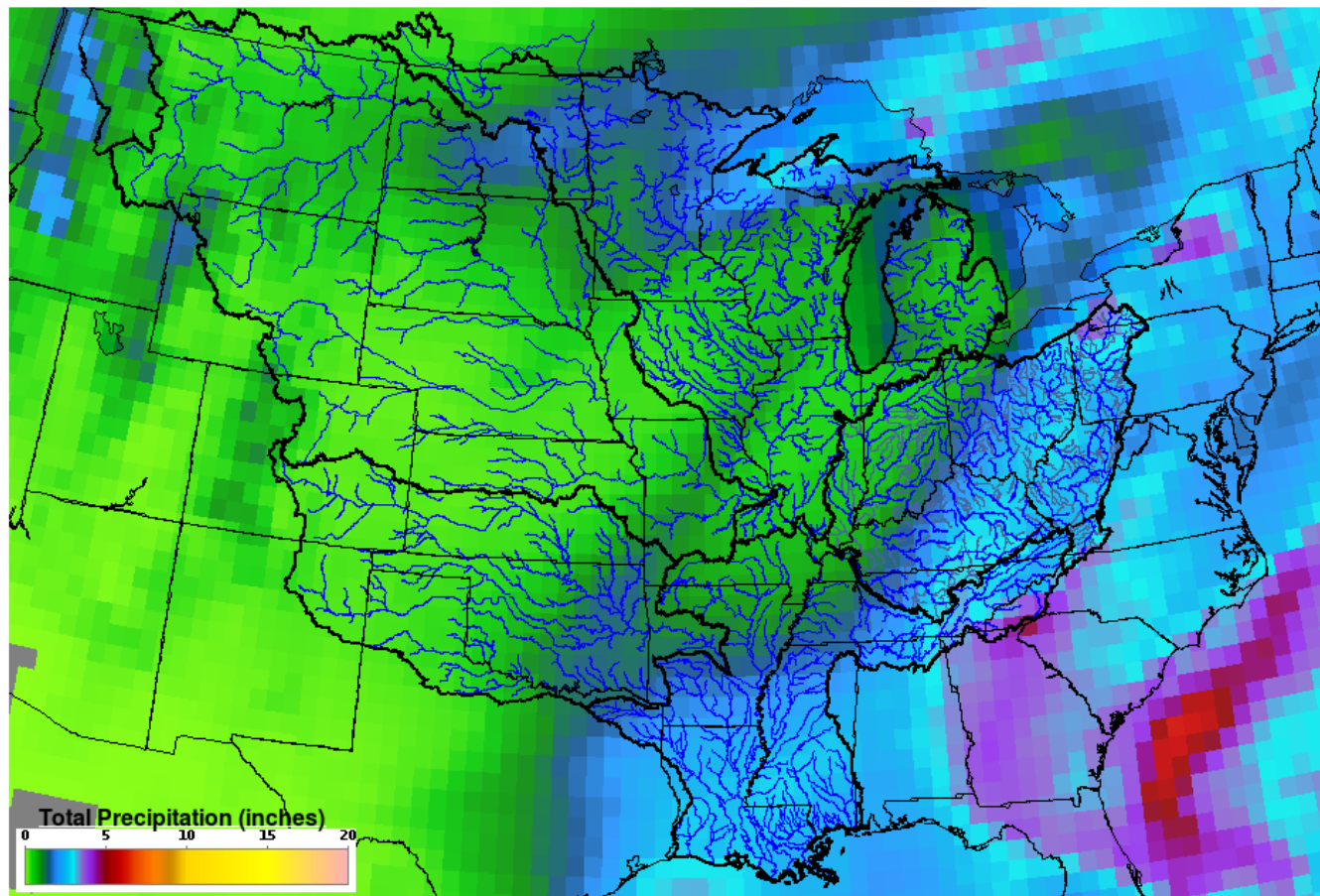


# 16-Day Ensemble Mean QPF



**NAEFS 16-day Ensemble Mean Total QPF from 11/10/22 00Z**

Creation date/time: Thu Nov 10 09:48 GMT 2022

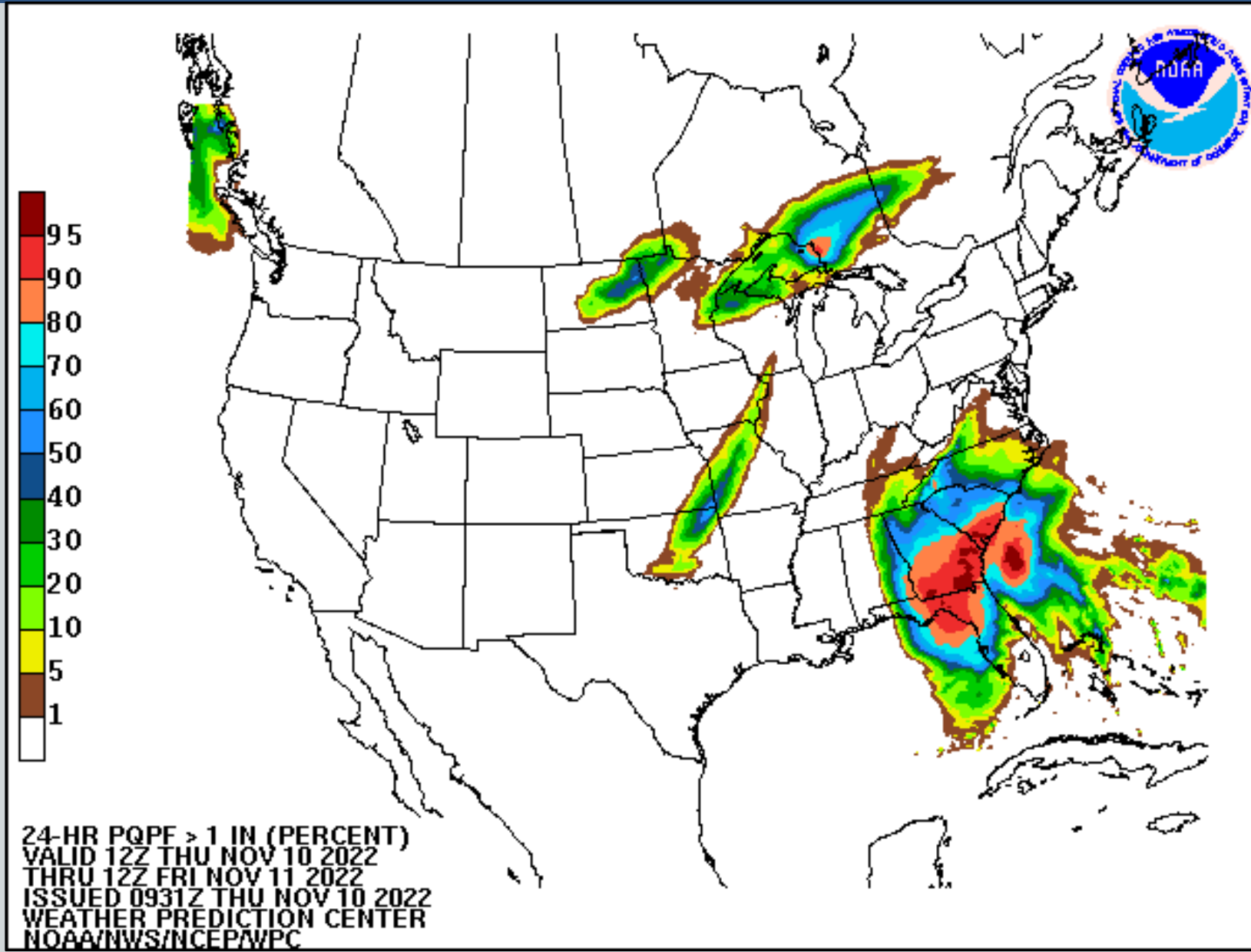


For individual location specifics visit <https://water.weather.gov>





# 24 hr Probability of QPF $\geq 1$ "



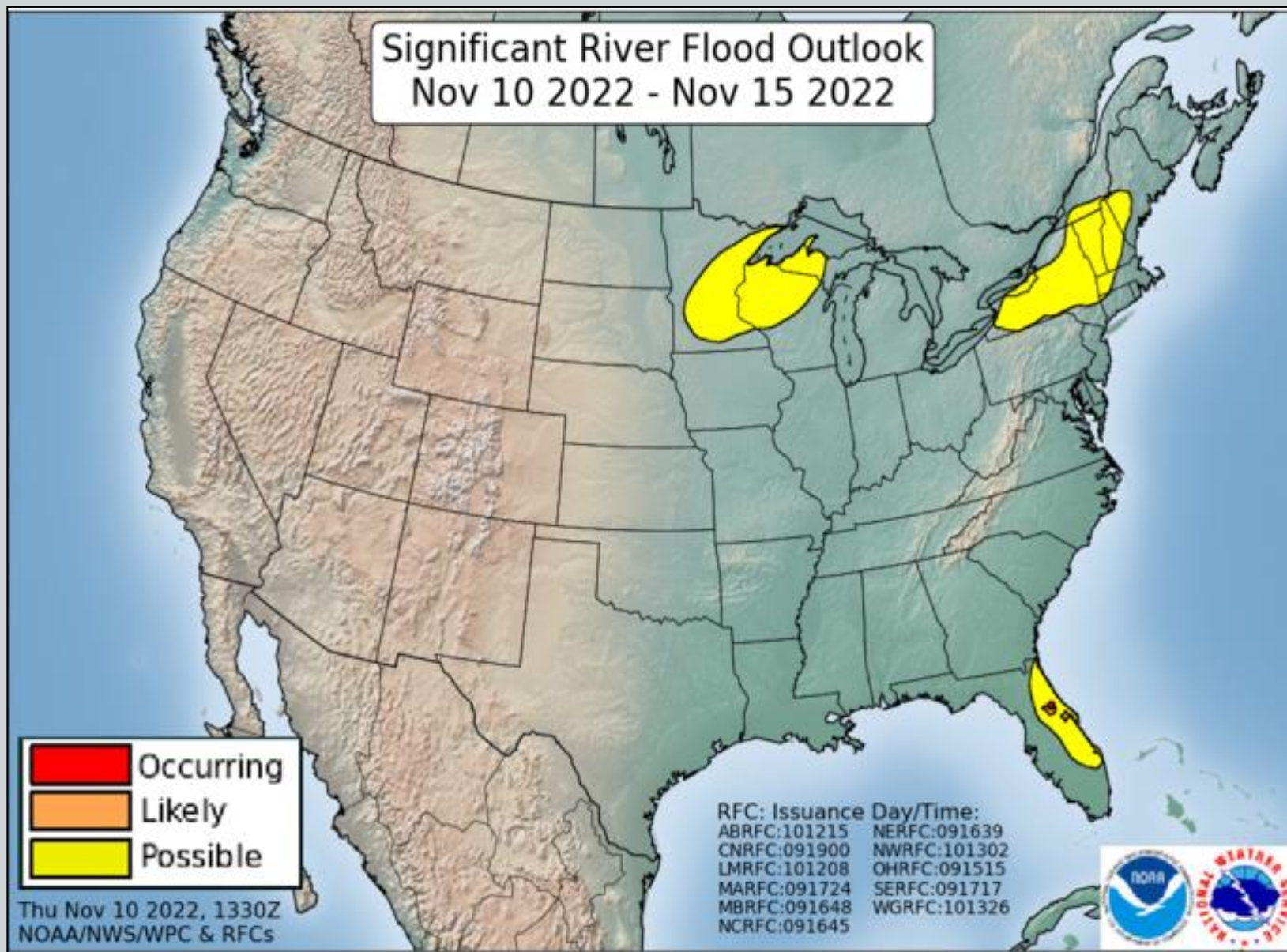


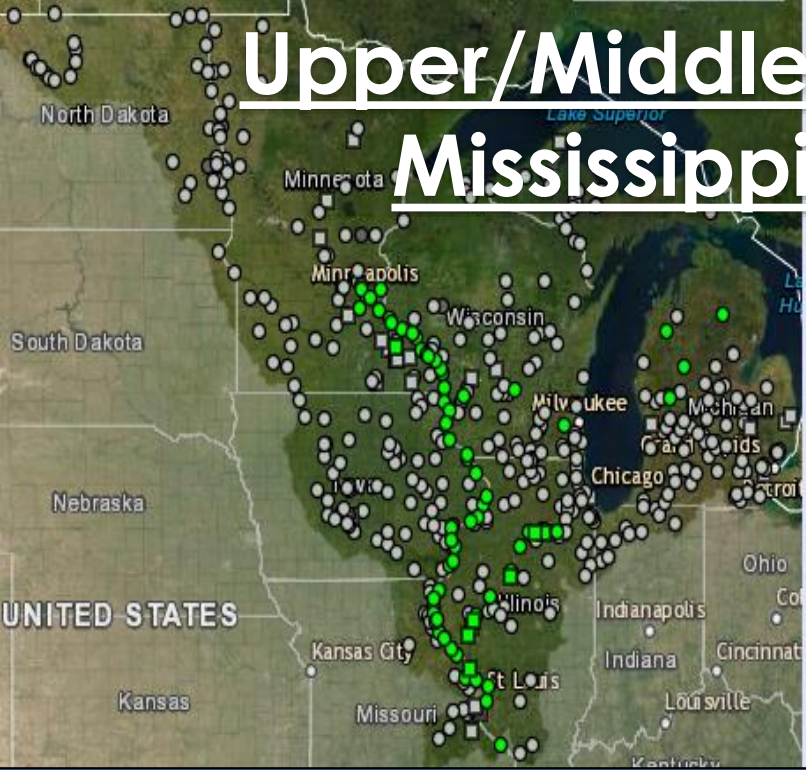
# Hydrology





# 5 Day River Flood Outlook





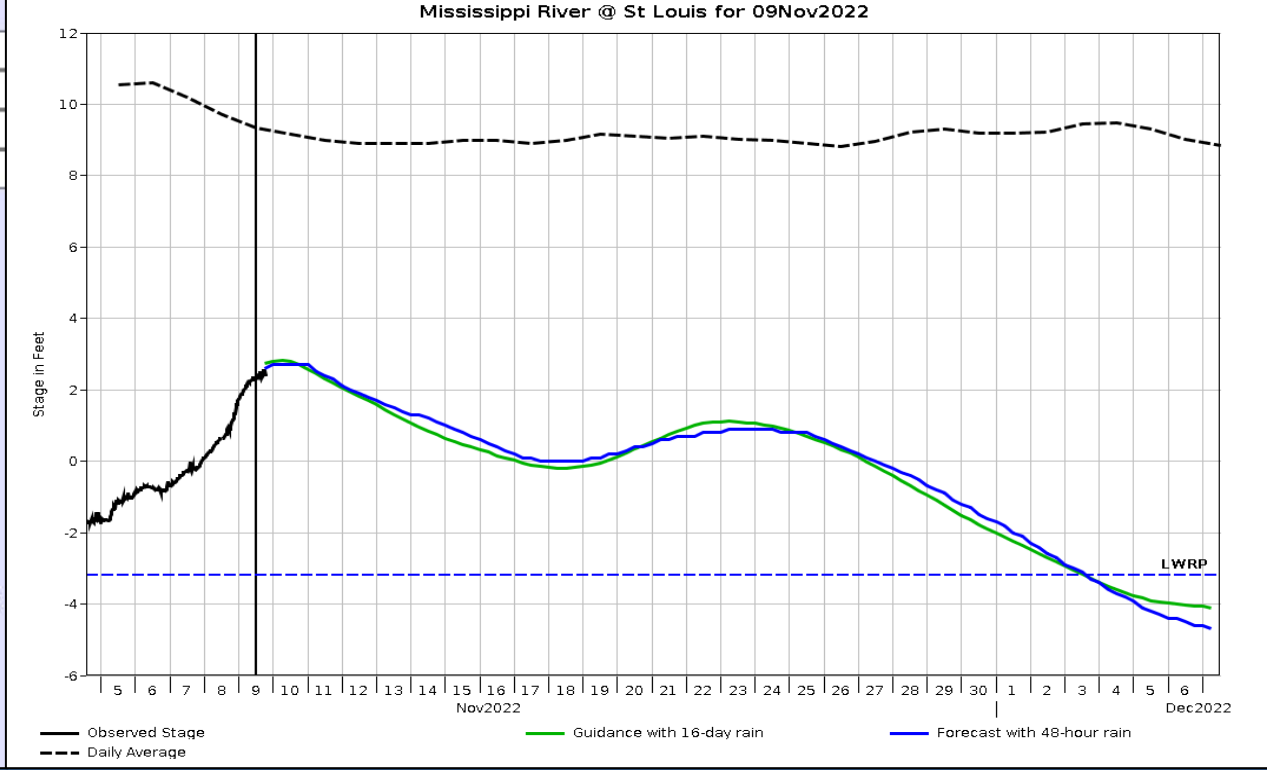
United States  
 NWS Weather Forecast Offices  
 North Central River Forecast Center  
 Water Resources Regions

○ Probability and forecasts available  
 □ Forecasts available

478 total gauges  
[Show all locations in flood \(0\)](#)

- 0 Gauges: Major Flooding
- 0 Gauges: Moderate Flooding
- 0 Gauges: Minor Flooding
- 0 Gauges: Near Flood Stage
- 71 Gauges: No Flooding
- 0 Flood Category Not Defined
- 1 At or Below Low Water Threshold
- 402 Gauges: Forecasts Are Not Current
- 0 Gauges: No forecast within selected timeframe
- 4 Gauges: Out of Service

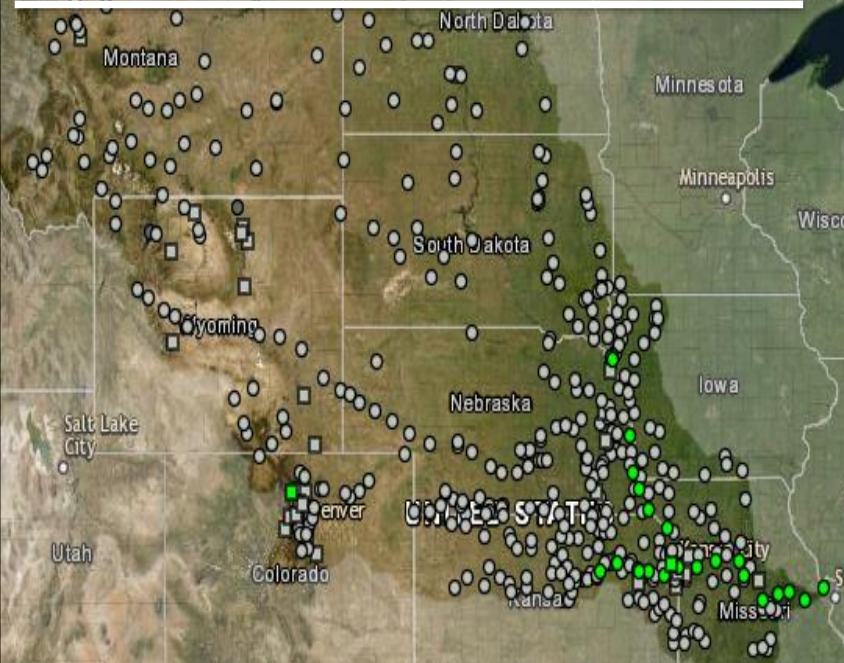
[Show all locations](#)



Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
<u>St Paul</u>	14.0'	3.7'	3.6'	-
<u>Rock Island</u>	15.0'	5.4'	6.1'	-
<u>Valley City</u>	14.0'	2.5'	2.4'	-
<u>St Louis</u>	30.0'	2.6'	1.4'	-
<u>Chester</u>	27.0'	5.2'	4.8'	-

• No flooding is occurring or forecast.

# Missouri River Basin



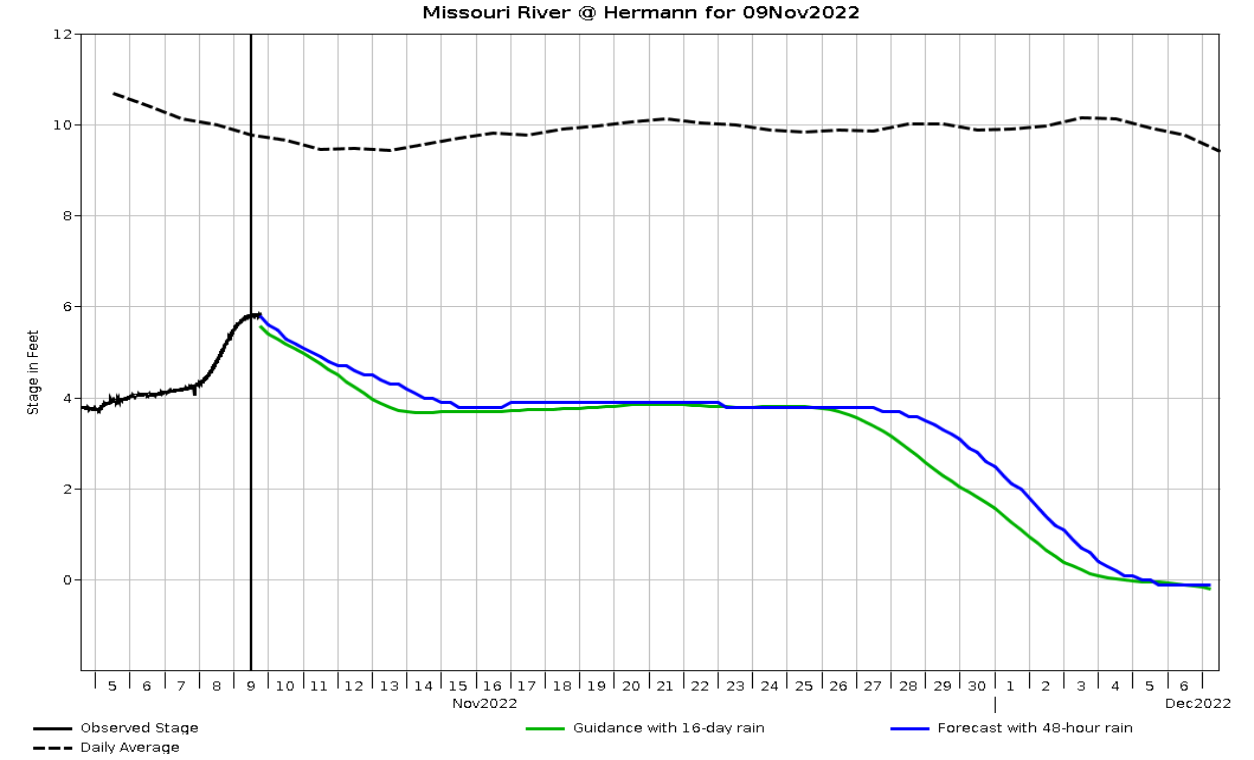
United States  
 NWS Weather Forecast Offices  
 Missouri Basin River Forecast Center  
 Water Resources Regions

○ Probability and forecasts available  
 □ Forecasts available

470 total gauges  
[Show all locations in flood \(0\)](#)

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

[Show all locations](#)



Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
<u>Jefferson City</u>	23.0'	5.9'	4.7'	-
<u>Hermann</u>	21.0'	5.5'	3.9'	-
<u>St Charles</u>	25.0'	10.3'	8.8'	-

• No flooding is occurring or forecast.



United States  
 NWS Weather Forecast Offices  
 Ohio River Forecast Center  
 Water Resources Regions

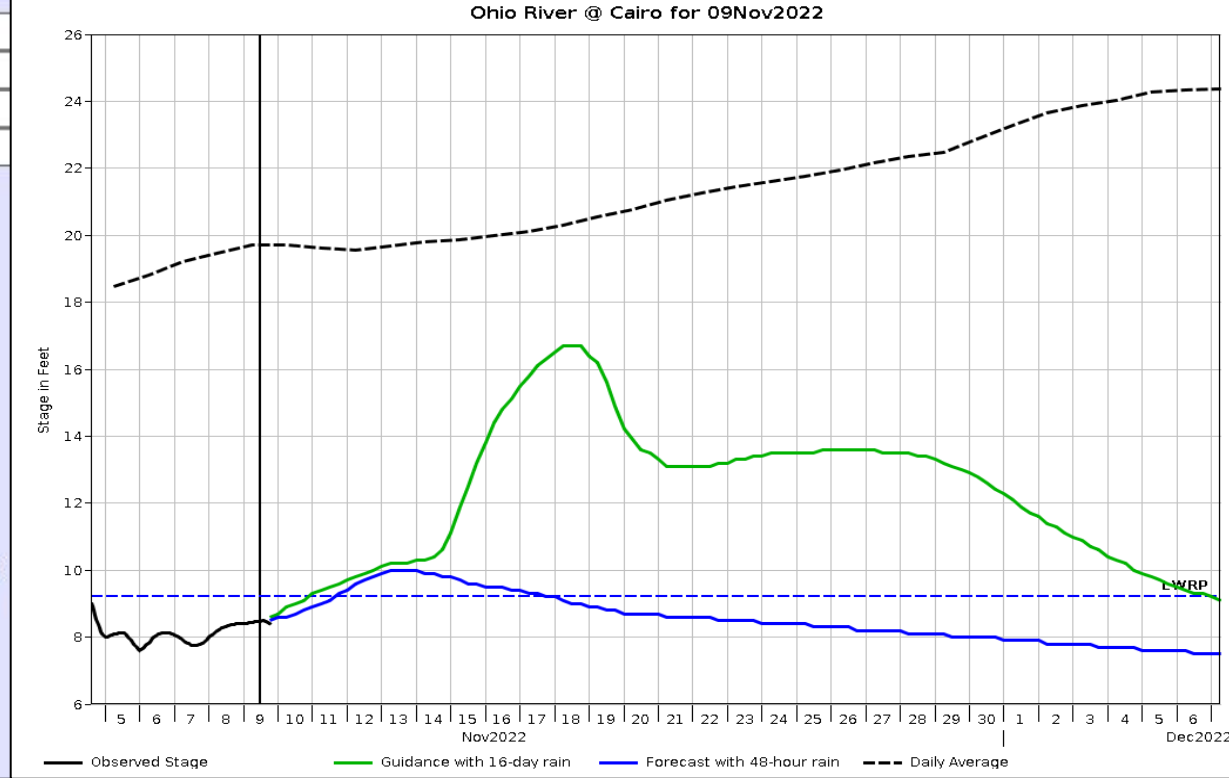
○ Probability and forecasts available  
 □ Forecasts available

374 total gauges  
[Show all locations in flood \(0\)](#)

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

[Show all locations](#)

Last map update:

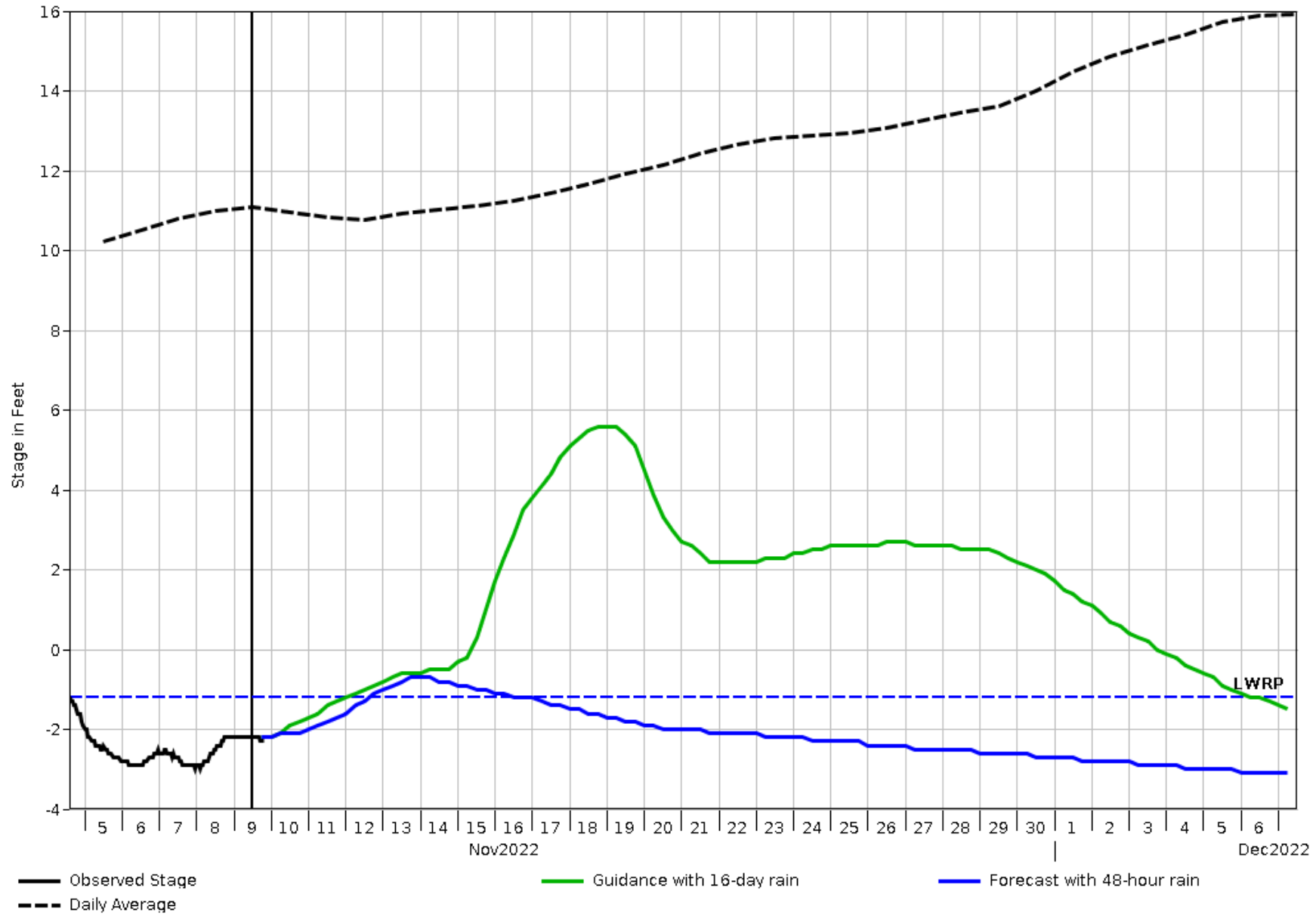


Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
<u>Paducah</u>	39.0'	16.0'	15.8'	-
<u>Cairo</u>	40.0'	8.1'	9.7'	-

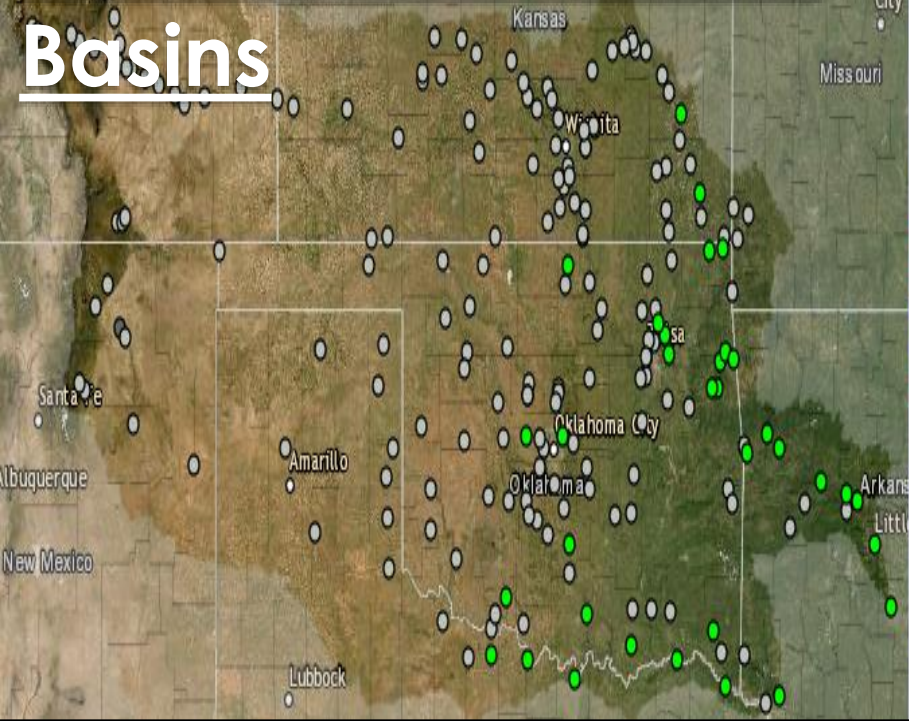
• No flooding is occurring or forecast.

# New Madrid

Mississippi River @ New Madrid for 09Nov2022



# Arkansas/Red River Basins



Arkansas Red-Basin River Forecast Center  
Water Resources Regions

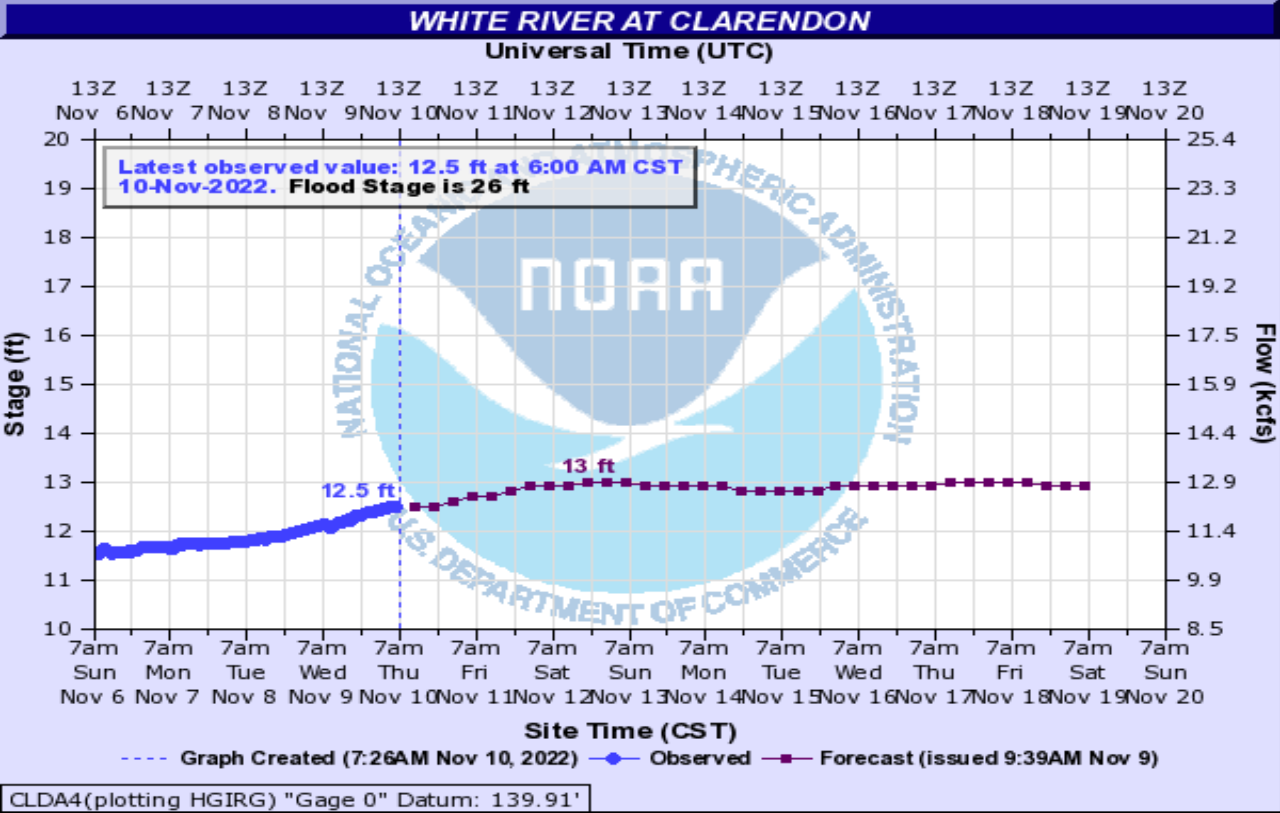
- Probability and forecasts available
- Forecasts available

208 total gauges  
[Show all locations in flood \(0\)](#)

- 0 Gauges: Major Flooding
- 0 Gauges: Moderate Flooding
- 0 Gauges: Minor Flooding
- 0 Gauges: Near Flood Stage
- 34 Gauges: No Flooding
- 0 Flood Category Not Defined
- 0 At or Below Low Water Threshold
- 173 Gauges: Forecasts Are Not Current
- 0 Gauges: No forecast within selected timeframe
- 1 Gauges: Out of Service

[Show all locations](#)

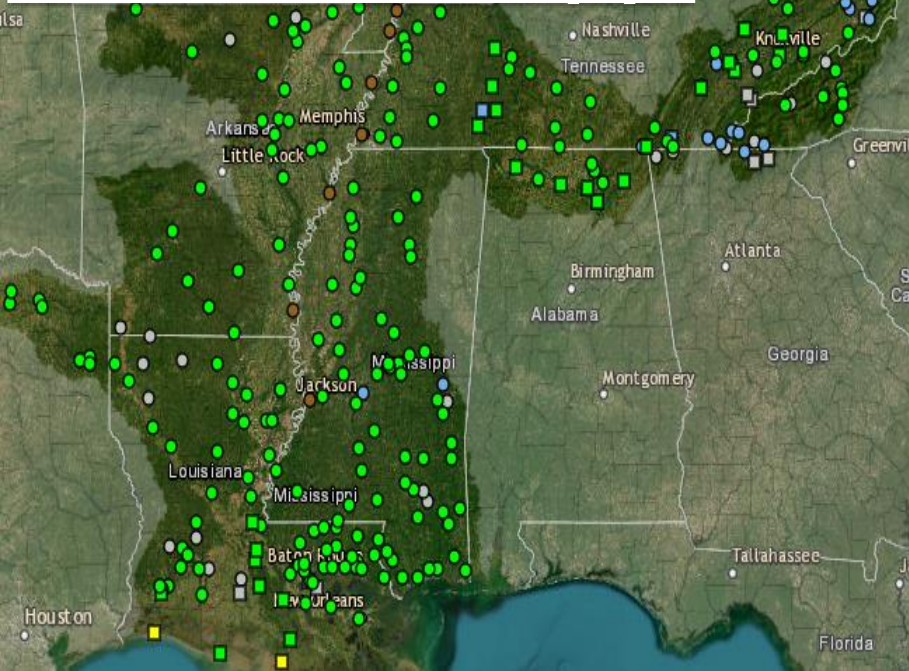
Last map update



Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
<u>Little Rock</u>	23.0'	7.4'	7.3'	-
<u>Clarendon</u>	26.0'	12.5'	12.8'	-
<u>Shreveport</u>	30.0'	13.9'	14.2'	-

• No flooding is occurring or forecast.

# Lower Mississippi



below:

United States  
 NWS Weather Forecast Offices  
 Lower Mississippi River Forecast Center  
 Water Resources Regions

○ Probability and forecasts available  
 □ Forecasts available

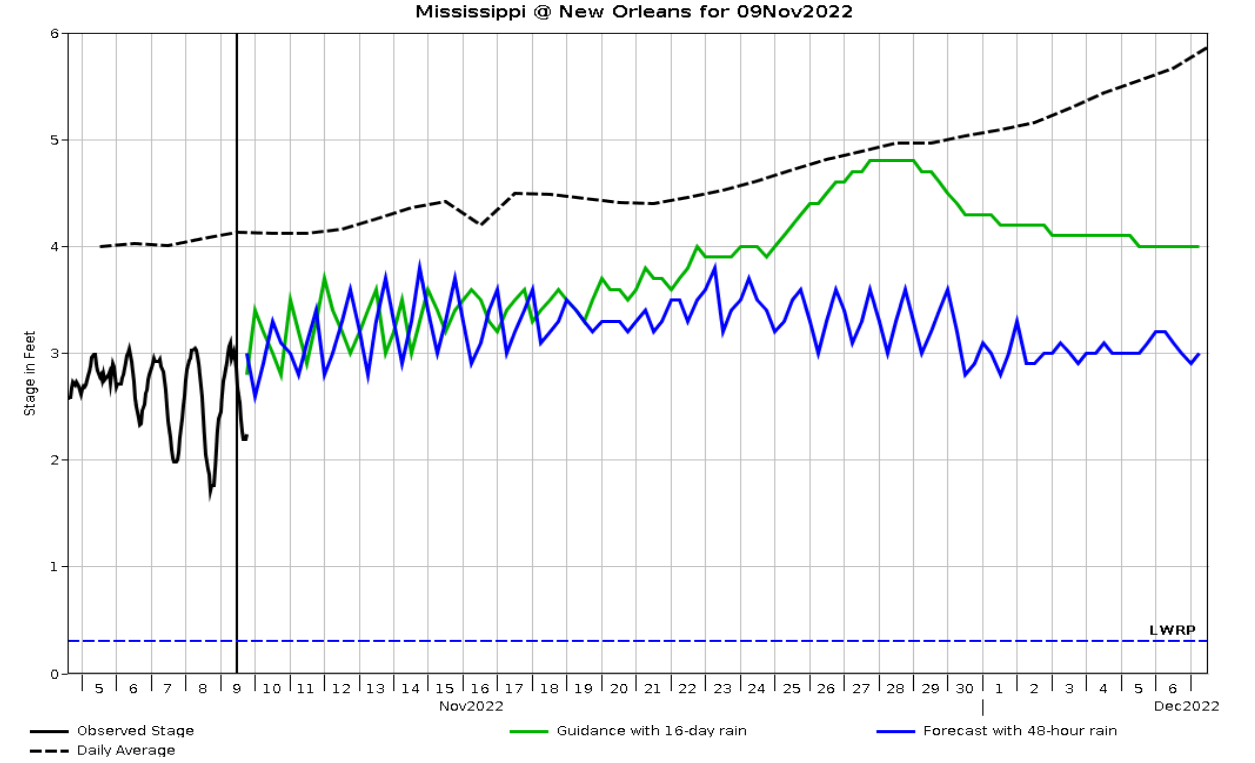
303 total gauges  
[Show all locations in flood \(0\)](#)

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

[Show all locations](#)

Last map update:  
 11/10/2022 at 09:08:37 am EST  
 11/10/2022 at 14:08:37 UTC

[What is UTC time?](#)

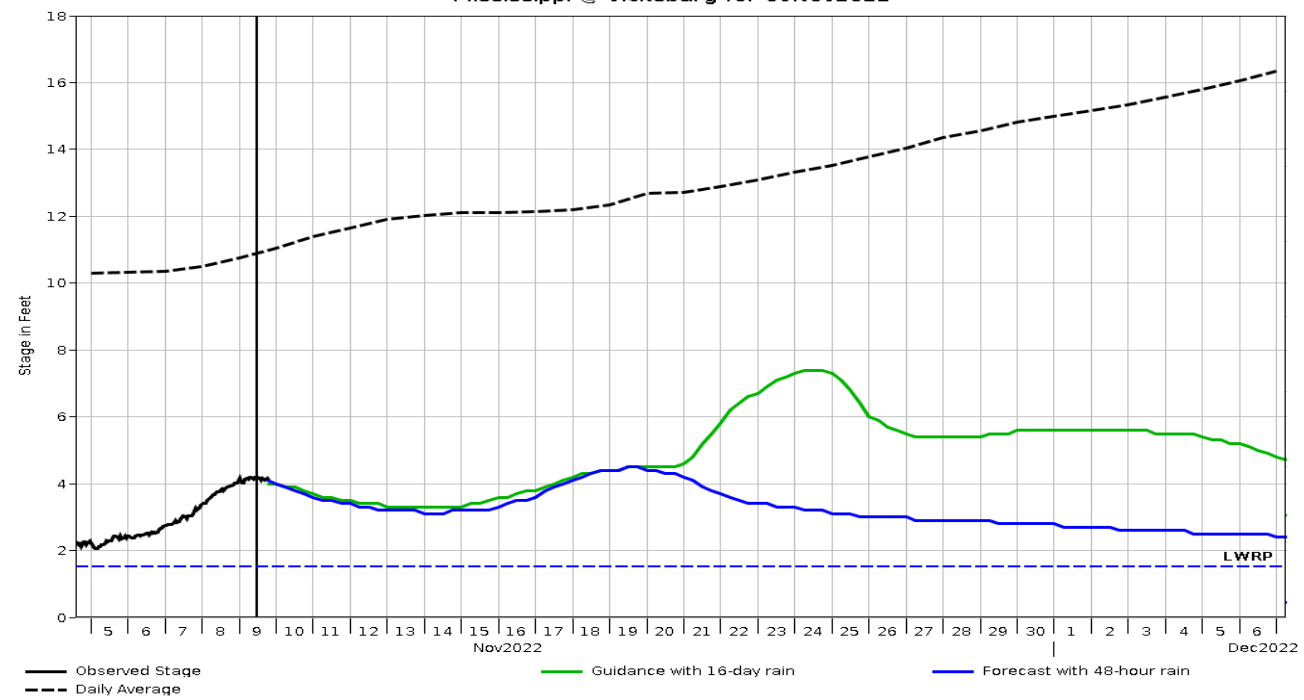


Gauge	Flood Stage	Current	5 Day Forecast	Potential Crest
<u>Cairo</u>	40.0'	8.1'	9.7'	-
<u>Memphis</u>	34.0'	-8.3'	-6.9'	-
<u>Vicksburg</u>	43.0'	3.9'	3.2'	-
<u>Baton Rouge</u>	35.0'	5.9'	5.5'	-
<u>New Orleans</u>	17.0'	3.4'	3.0'	-

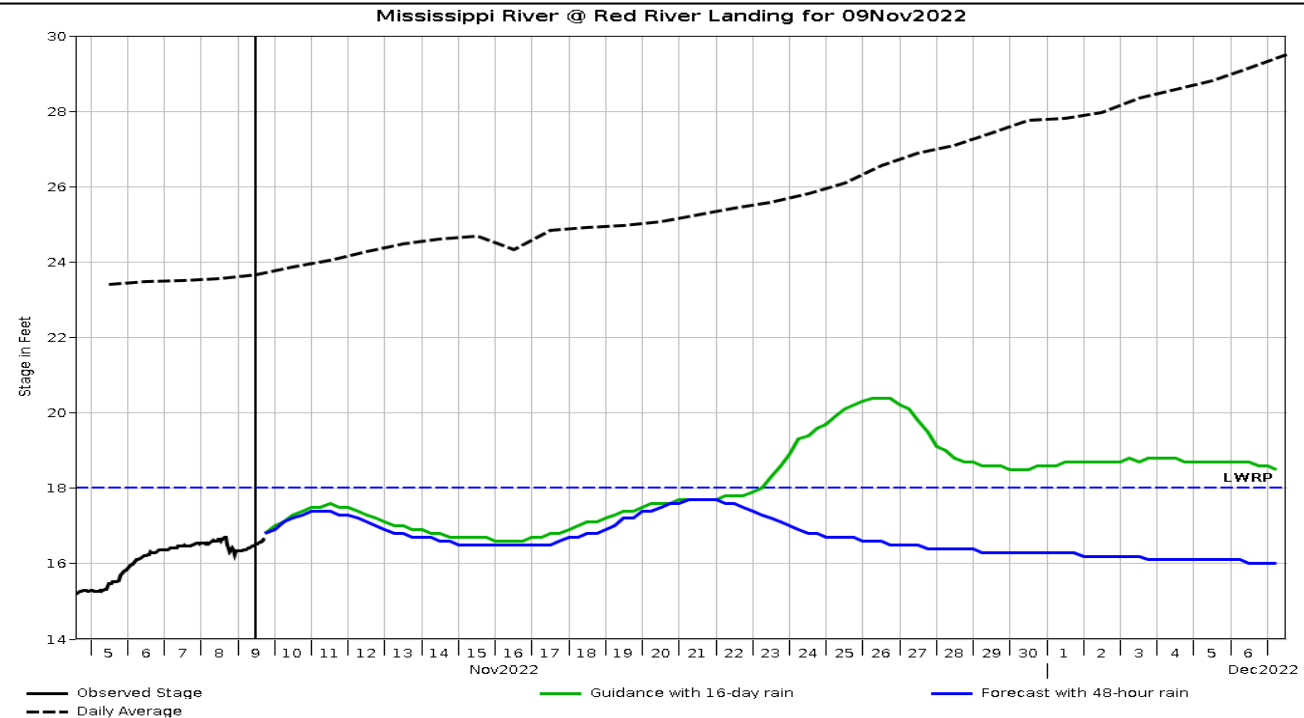
• No flooding is occurring or forecast.



# Vicksburg



# Red River Landing

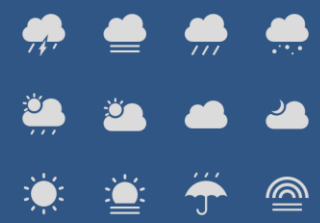


# Meteorology



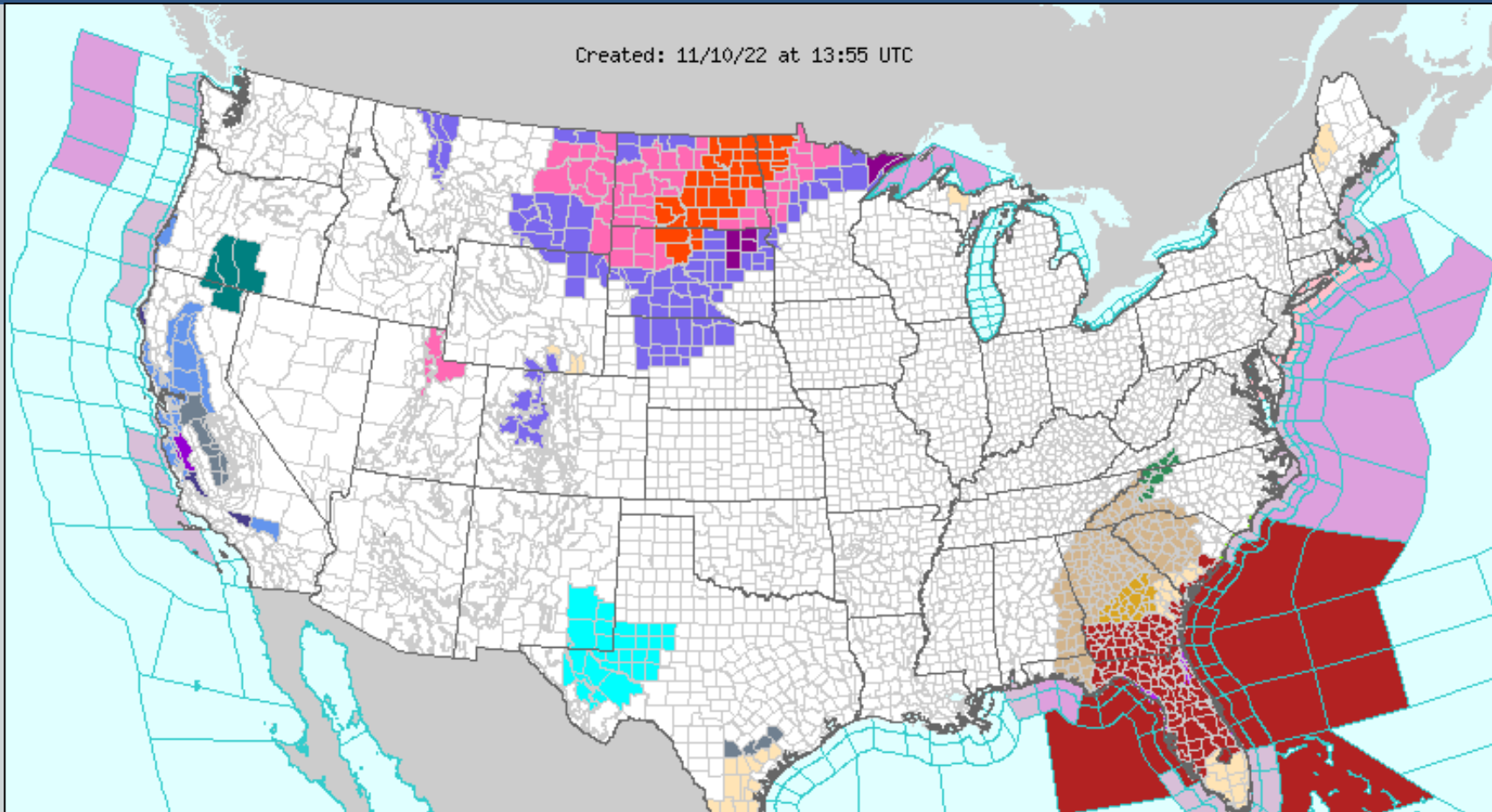
# Weather over the next 3 days





# Current Nationwide Watches & Warnings

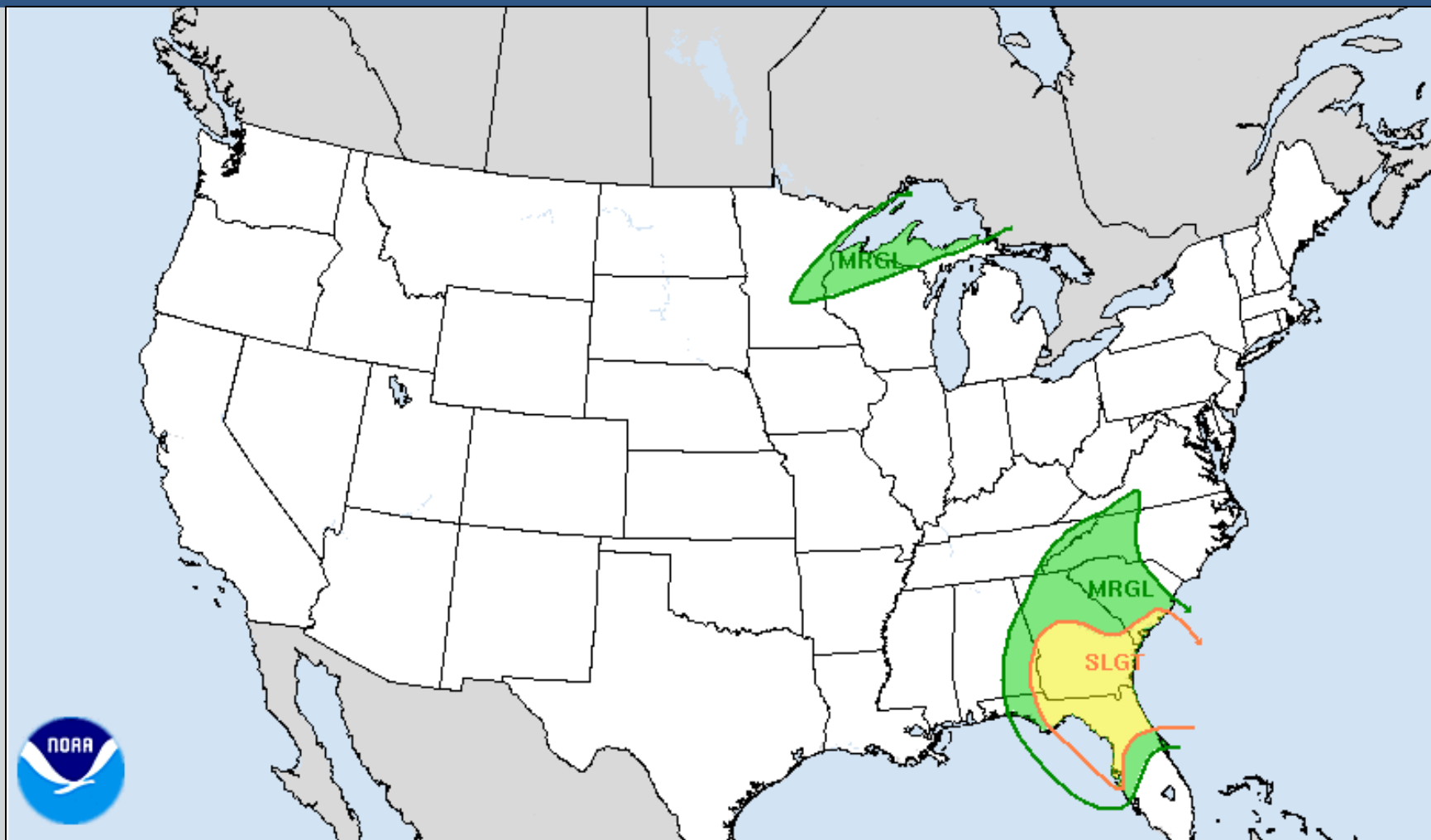
Created: 11/10/22 at 13:55 UTC



Storm Surge Warning	Gale Warning	Heavy Freezing Spray Warning	Gale Watch
Blizzard Warning	Hard Freeze Warning	Dense Fog Advisory	Flood Watch
Ice Storm Warning	Freeze Warning	Small Craft Advisory	Freeze Watch
Winter Storm Warning	Storm Surge Watch	Lake Wind Advisory	Coastal Flood Statement
High Wind Warning	Hurricane Local Statement	Wind Advisory	Special Weather Statement
Tropical Storm Warning	Winter Weather Advisory	Frost Advisory	Air Quality Alert
Flood Warning	Coastal Flood Advisory	Freezing Fog Advisory	
Tornado Watch	High Surf Advisory	Rip Current Statement	



# Day 1 Excessive Rainfall Outlook

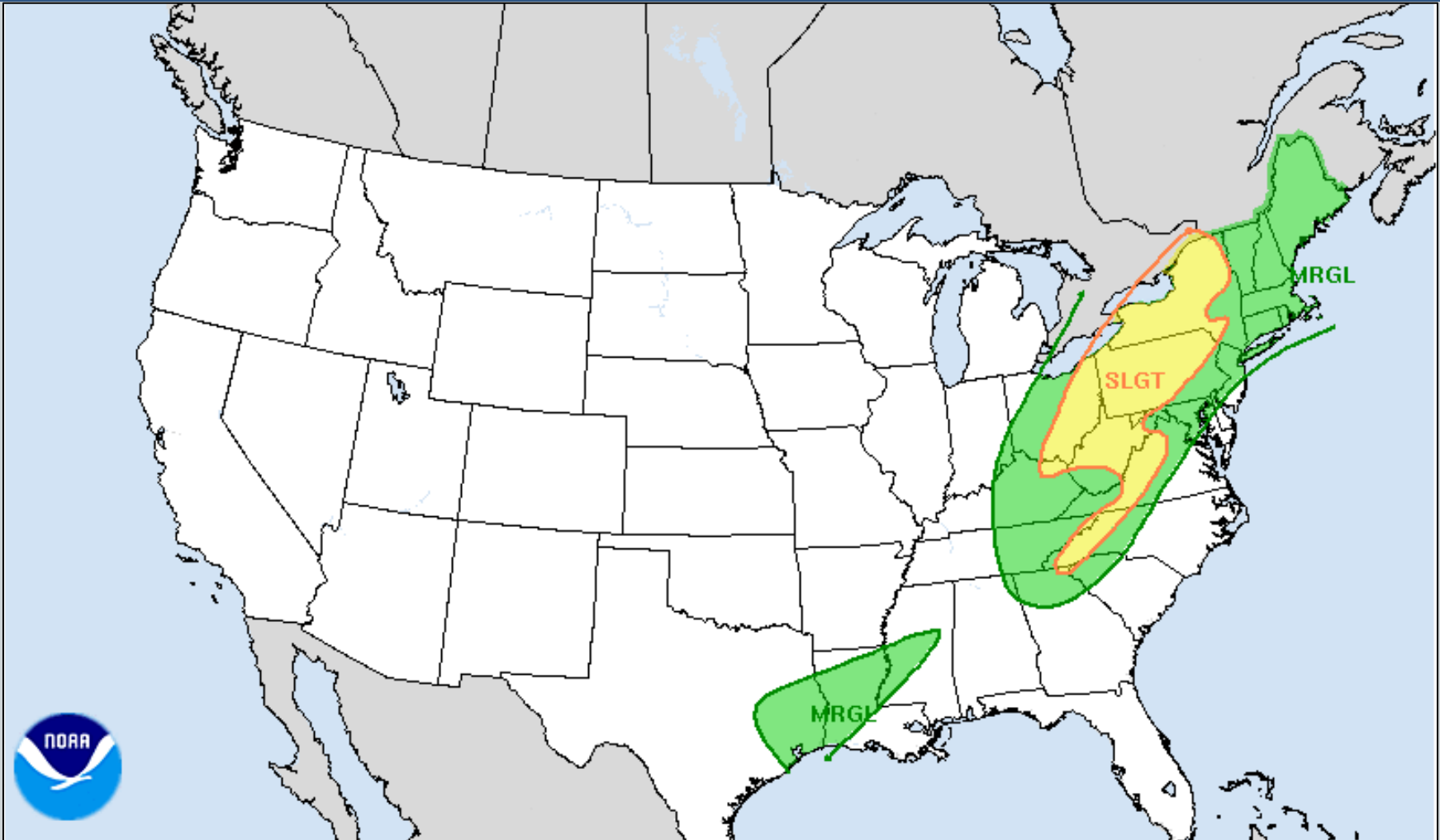


**Day 1 Excessive Rainfall Outlook**  
Valid 12Z Thu Nov 10 2022  
Thru 12Z Fri Nov 11 2022  
Issued: 0831Z Thu Nov 10 2022  
Forecaster: ROTH  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**HIGH: At Least 70%** **SLGT: At Least 15%**  
**MDT: At Least 40%** **MRGL: At Least 5%**



# Day 2 Excessive Rainfall Outlook



**Day 2 Excessive Rainfall Outlook**  
Valid 12Z Fri Nov 11 2022  
Thru 12Z Sat Nov 12 2022  
Issued: 0831Z Thu Nov 10 2022  
Forecaster: ROTH  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**HIGH: At Least 70%** **SLGT: At Least 15%**  
**MDT: At Least 40%** **MRGL: At Least 5%**



# Day 3 Excessive Rainfall Outlook

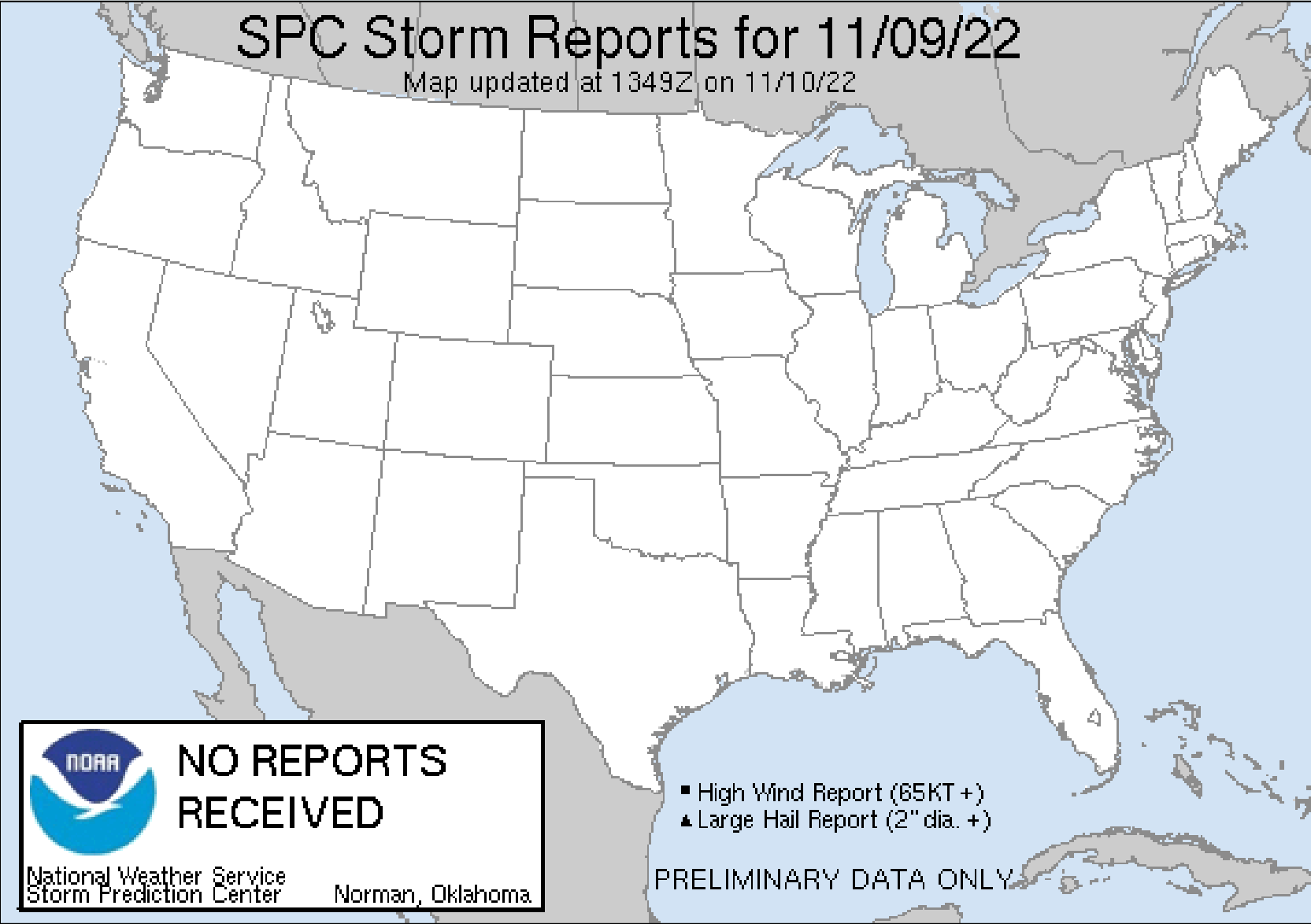


**Day 3 Excessive Rainfall Outlook**  
Valid 12Z Sat Nov 12 2022  
Thru 12Z Sun Nov 13 2022  
Issued: 0831Z Thu Nov 10 2022  
Forecaster: ROTH  
DOC/NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point  
**HIGH: At Least 70%** **SLGT: At Least 15%**  
**MDT: At Least 40%** **MRGL: At Least 5%**



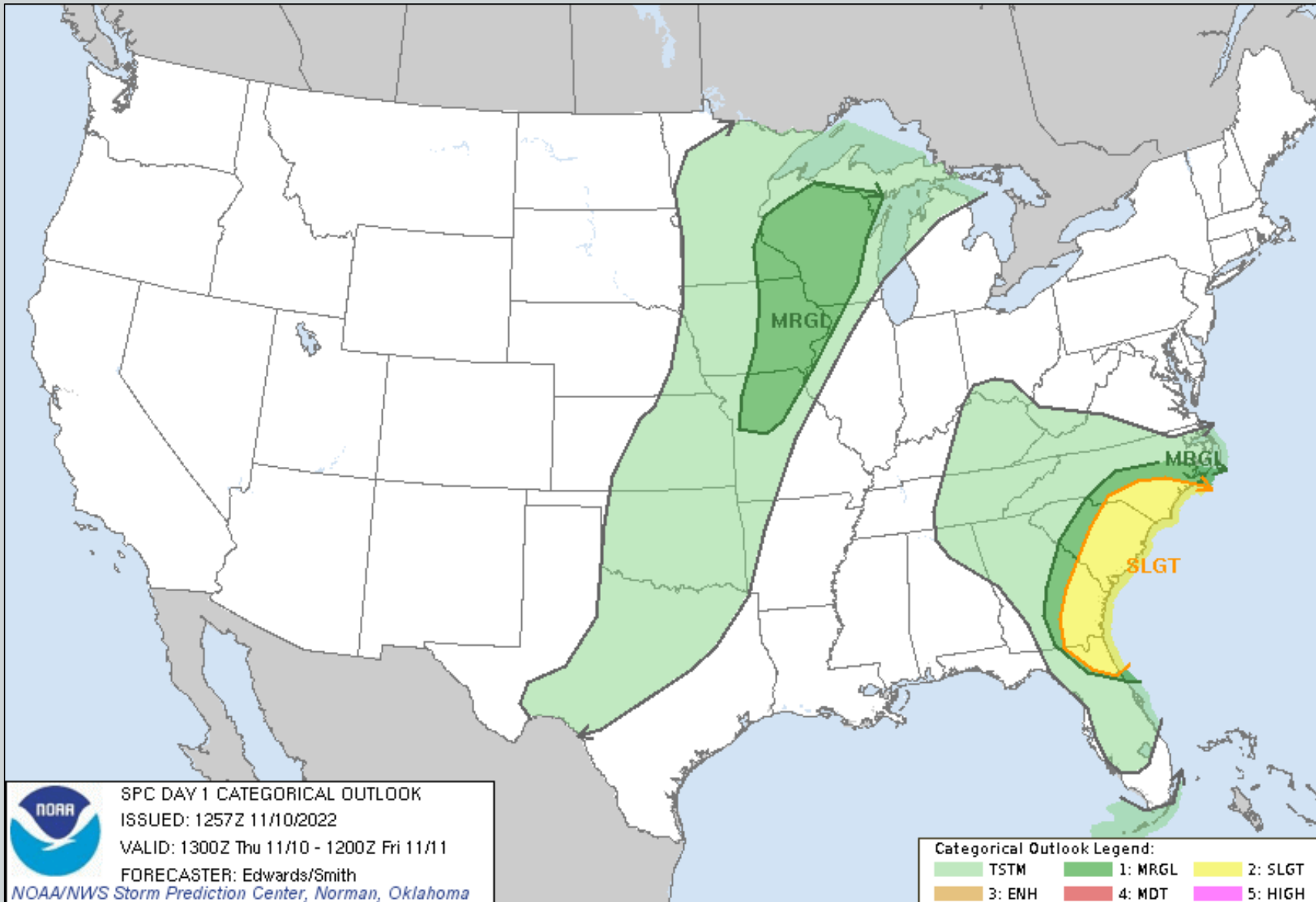
# Yesterday's Severe Weather Reports

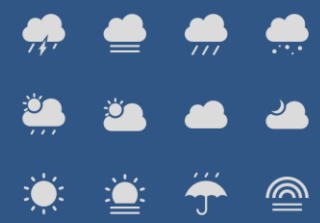




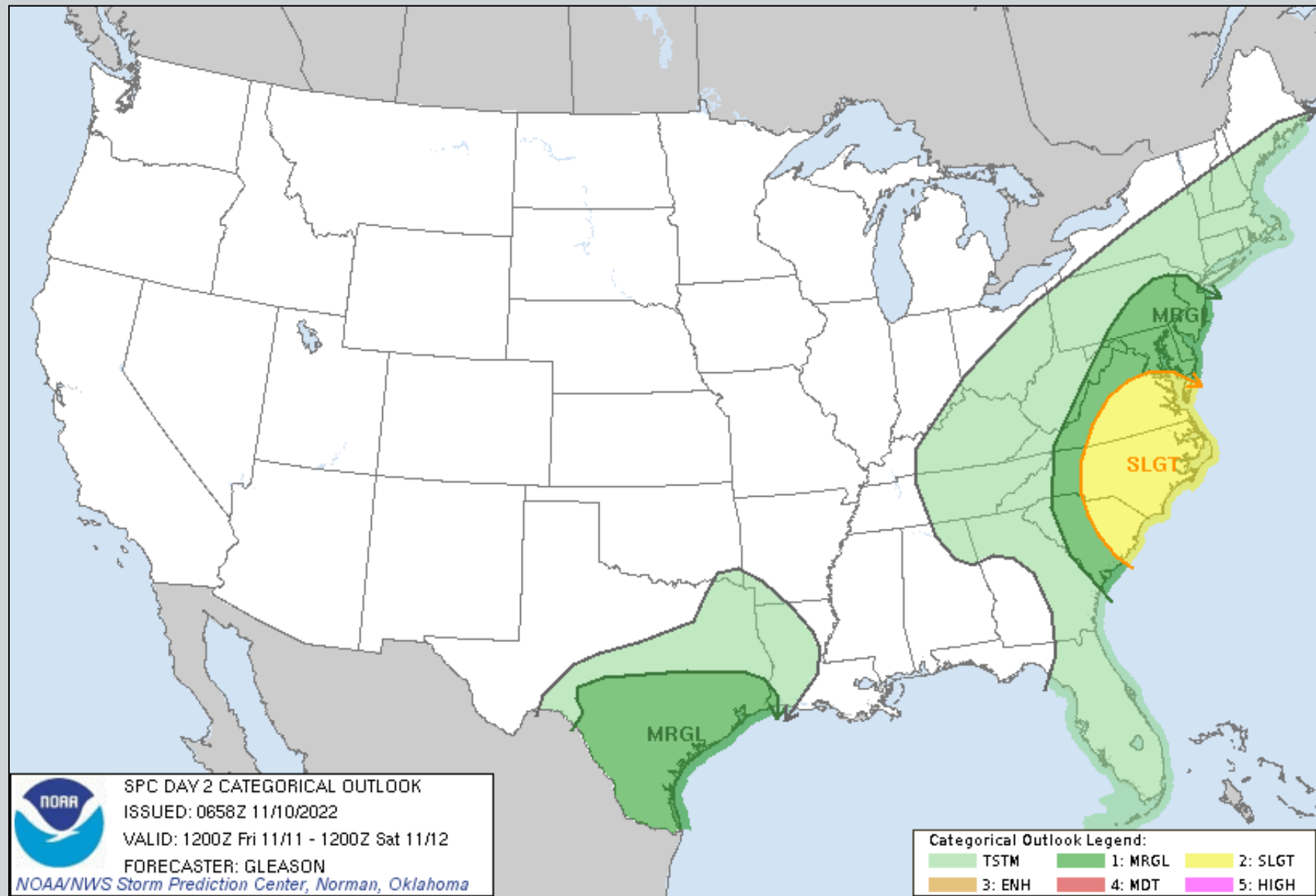


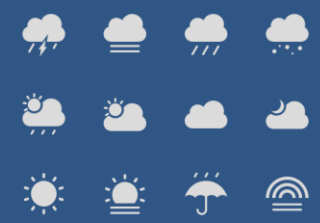
# Today's Severe Weather Outlook



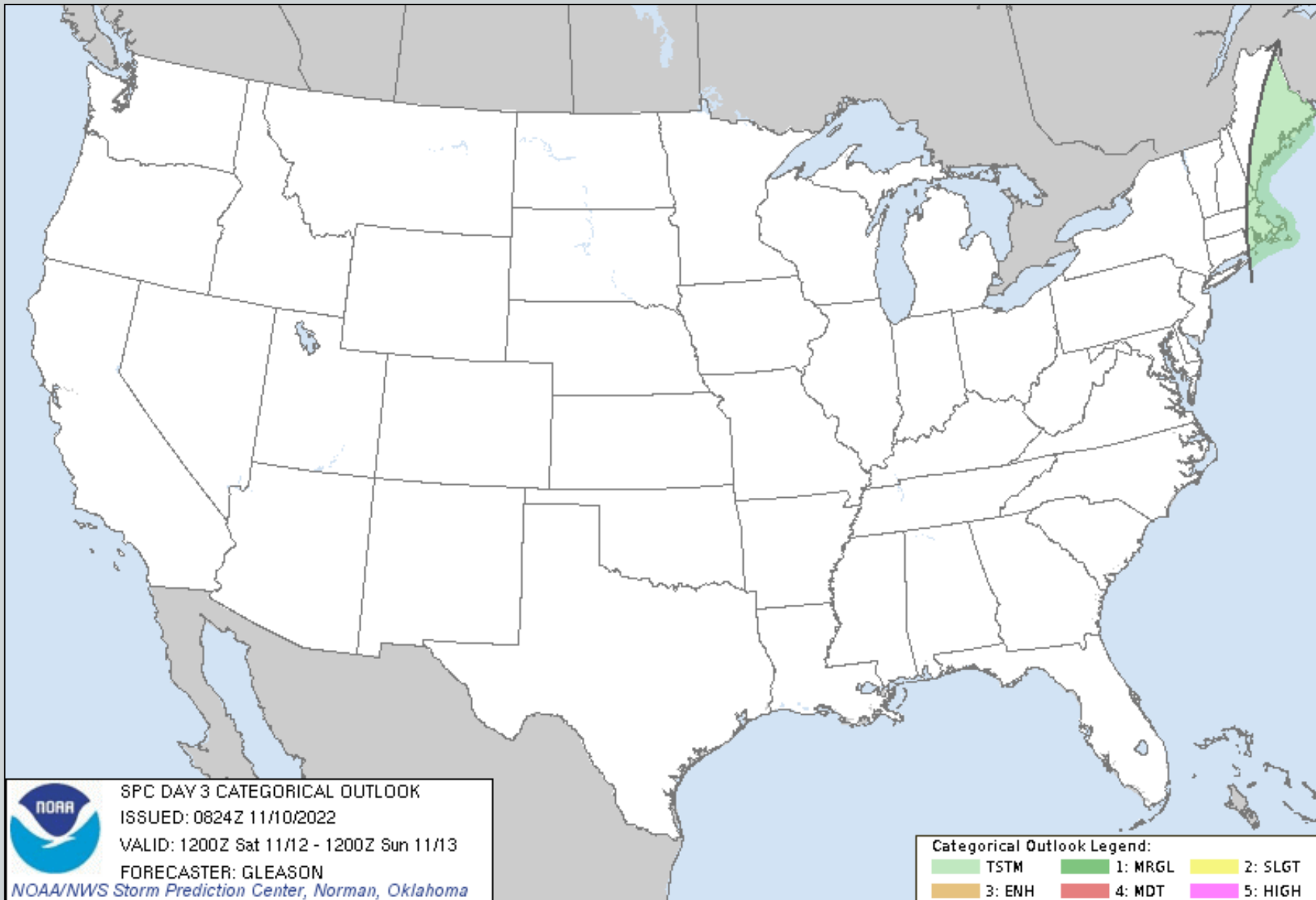


# Tomorrow's Severe Weather Outlook





# Day 3 Severe Weather Outlook



# Tropics





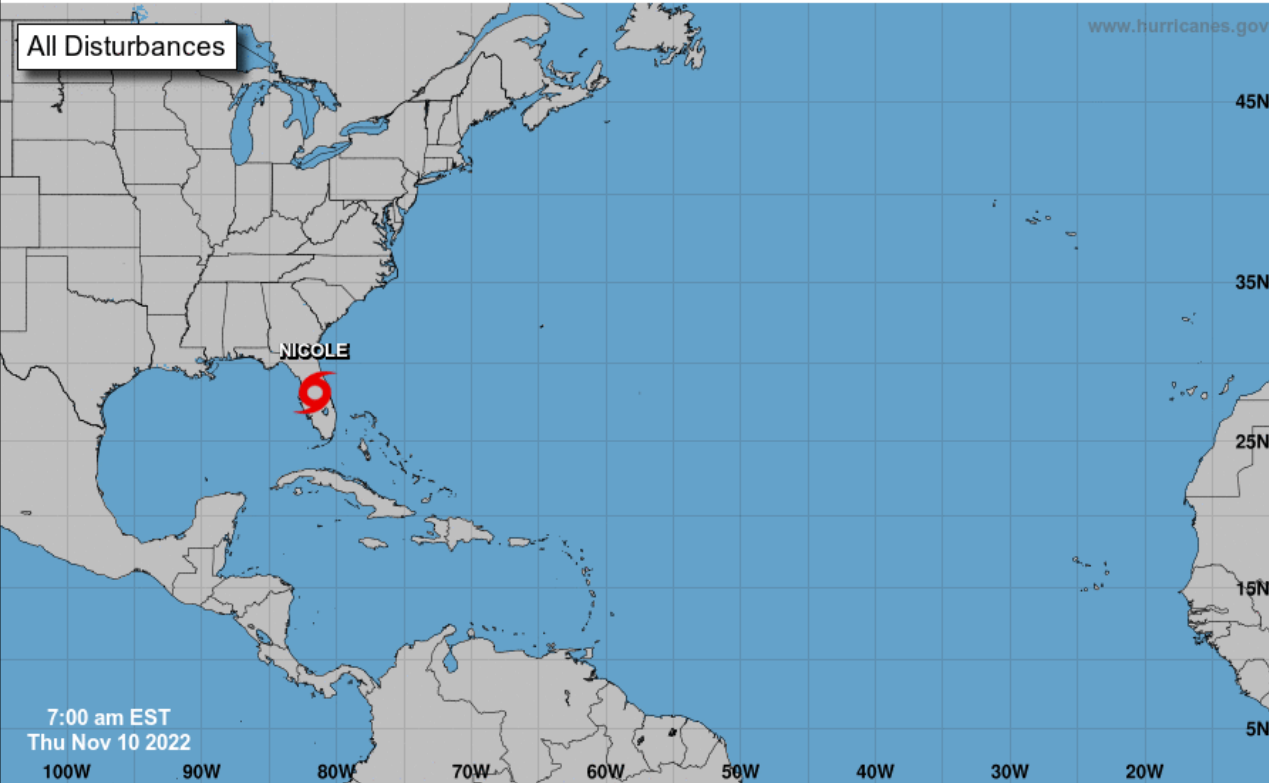
# Five-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



www.hurricanes.gov

All Disturbances

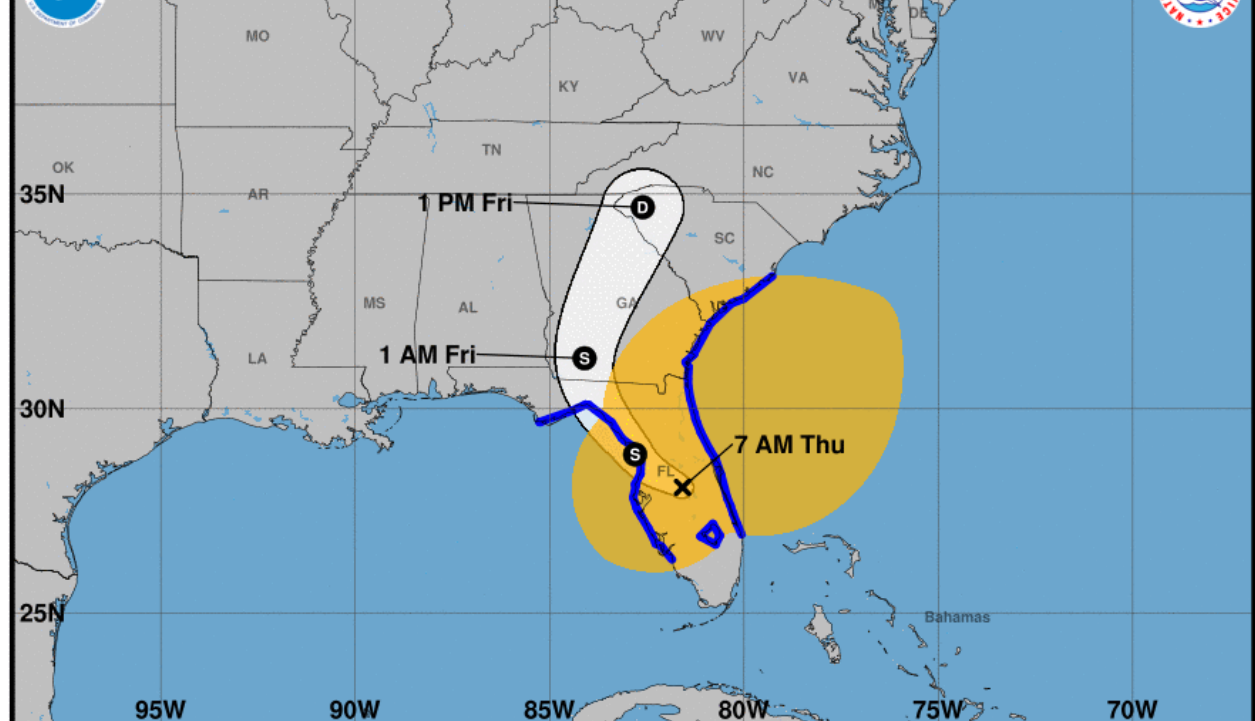


7:00 am EST  
Thu Nov 10 2022

Current Disturbances and Five-Day Cyclone Formation Chance:   
 X < 40%   X 40-60%   X > 60%  
 Tropical or Sub-Tropical Cyclone:   O Depression   S Storm   H Hurricane  
 ⊕ Post-Tropical Cyclone or Remnants



Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



### Tropical Storm Nicole

Thursday November 10, 2022  
7 AM EST Intermediate Advisory 13A  
NWS National Hurricane Center

### Current information: x

Center location 28.1 N 81.6 W  
Maximum sustained wind 60 mph  
Movement WNW at 14 mph

### Forecast positions:

● Tropical Cyclone   ○ Post/Potential TC  
Sustained winds:   D < 39 mph  
S 39-73 mph   H 74-110 mph   M > 110 mph

### Potential track area:

Day 1-3   Day 4-5

### Watches:

Hurricane   Trop Stm

### Warnings:

Hurricane   Trop Stm

### Current wind extent:

Hurricane   Trop Stm



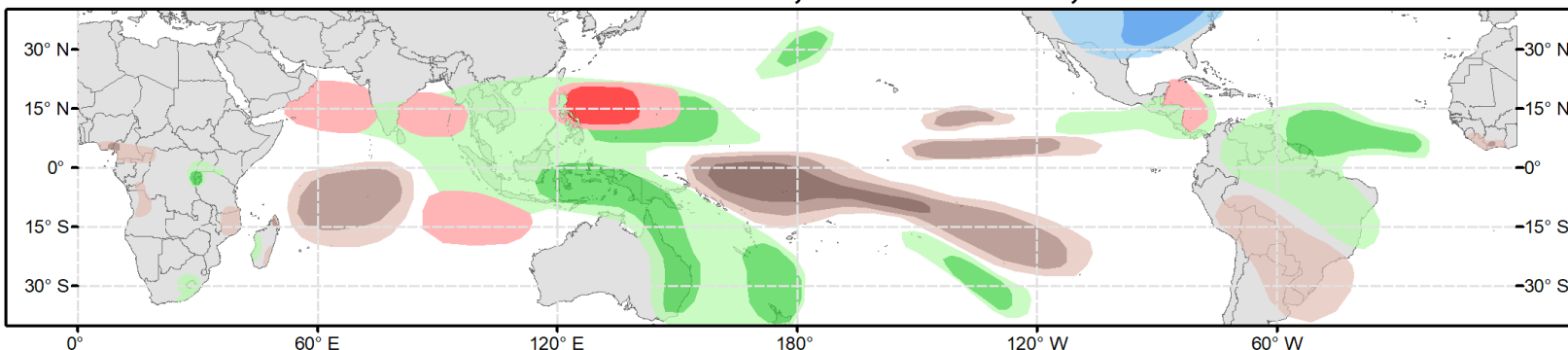
# Tropical Hazards Outlook



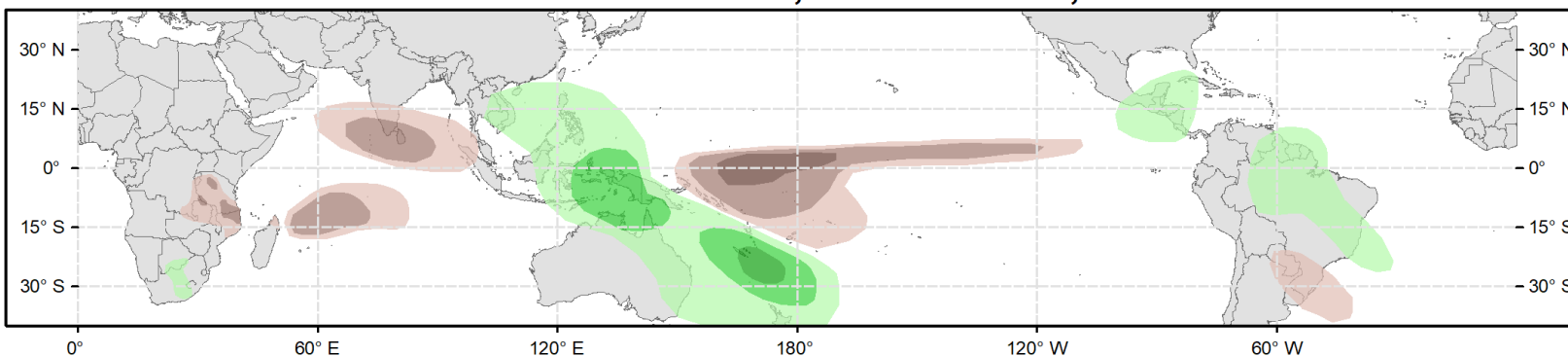
## Global Tropics Hazards Outlook Climate Prediction Center



**Week 2 - Valid: Nov 16, 2022 - Nov 22, 2022**



**Week 3 - Valid: Nov 23, 2022 - Nov 29, 2022**



**Week-2 Only**  
**Tropical Cyclone (TC) Formation Probability**  
  
 >20% >40% >60%  
*Tropical Depression (TD) or greater strength*

**Above-Average Rainfall Probability**  
  
 >50% >65% >80%  
*Weekly total rainfall in the Upper third of the historical range*

**Below-Average Rainfall Probability**  
  
 >50% >65% >80%  
*Weekly total rainfall in the Lower third of the historical range*

**Above-Average Temperatures Probability**  
  
 >50% >65% >80%  
*7-day mean temperatures in the Upper third of the historical range*

**Below-Average Temperatures Probability**  
  
 >50% >65% >80%  
*7-day mean temperatures in the Lower third of the historical range*

**Issued: 11/08/2022**  
**Forecaster: Collow**

**This product is updated once per week and targets broad scale conditions integrated over a 7-day period for US interests only. Consult your local responsible forecast agency.**

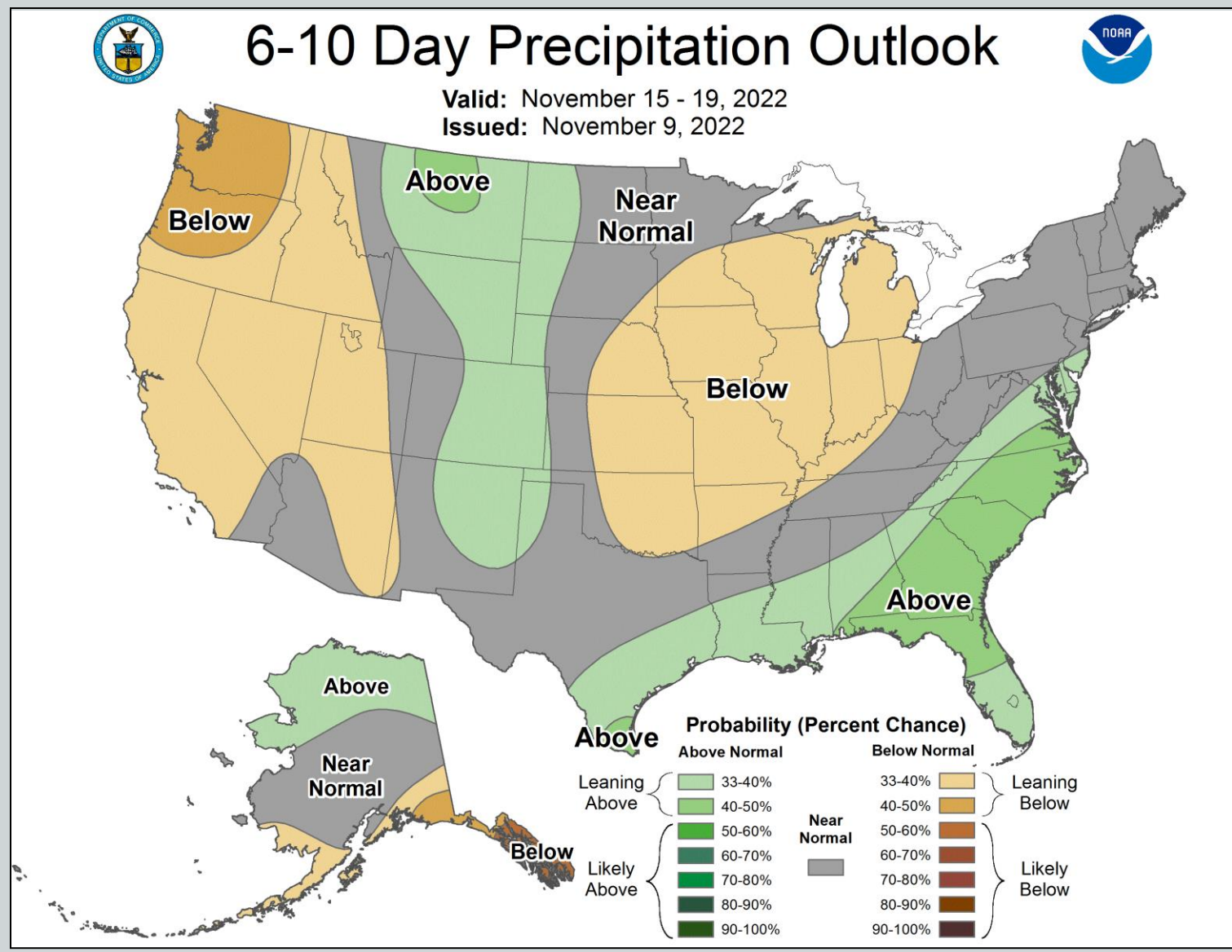


# Long Range Outlook





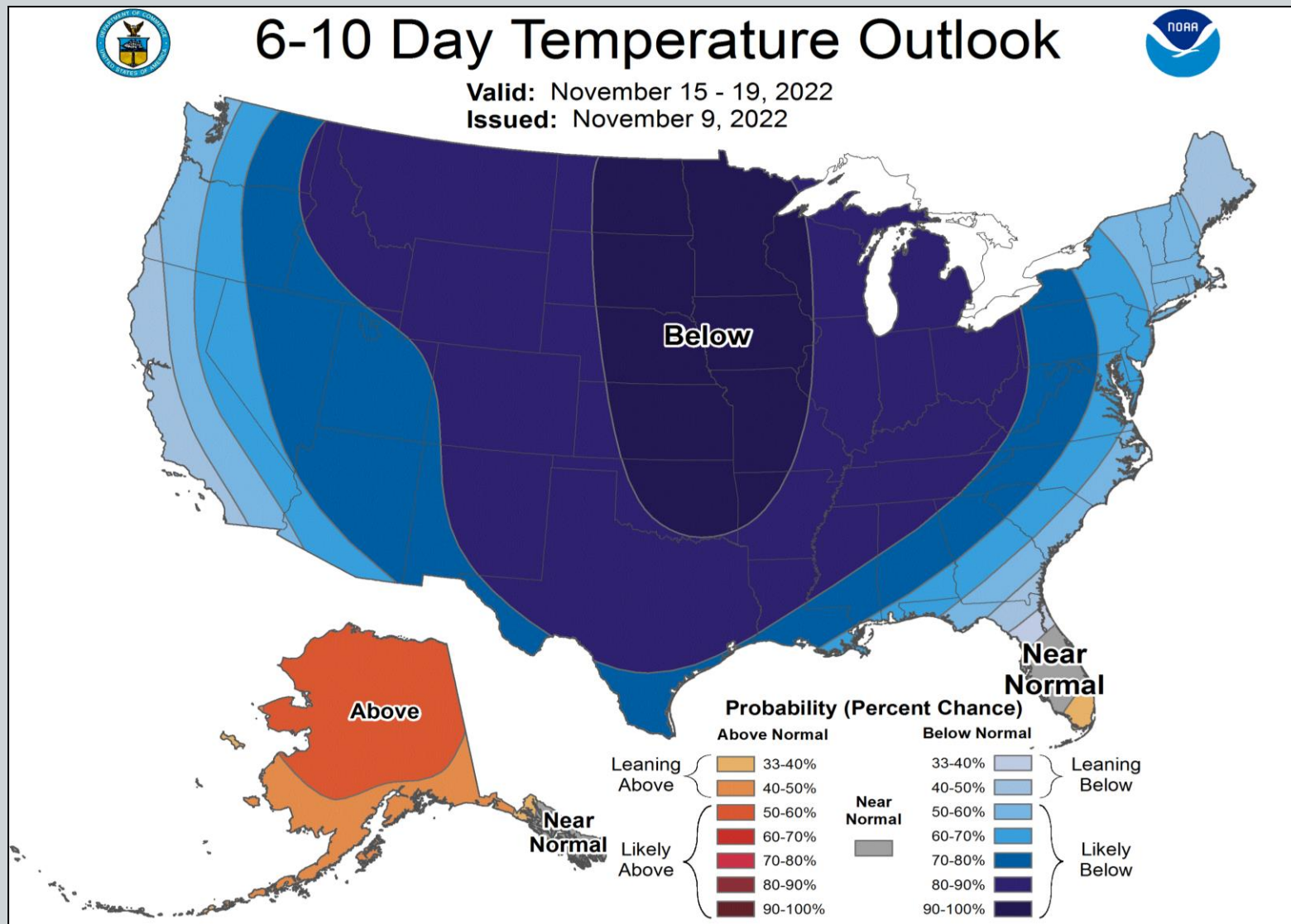
# 6-10 Day Precip Outlook







# 6-10 Day Temp Outlook





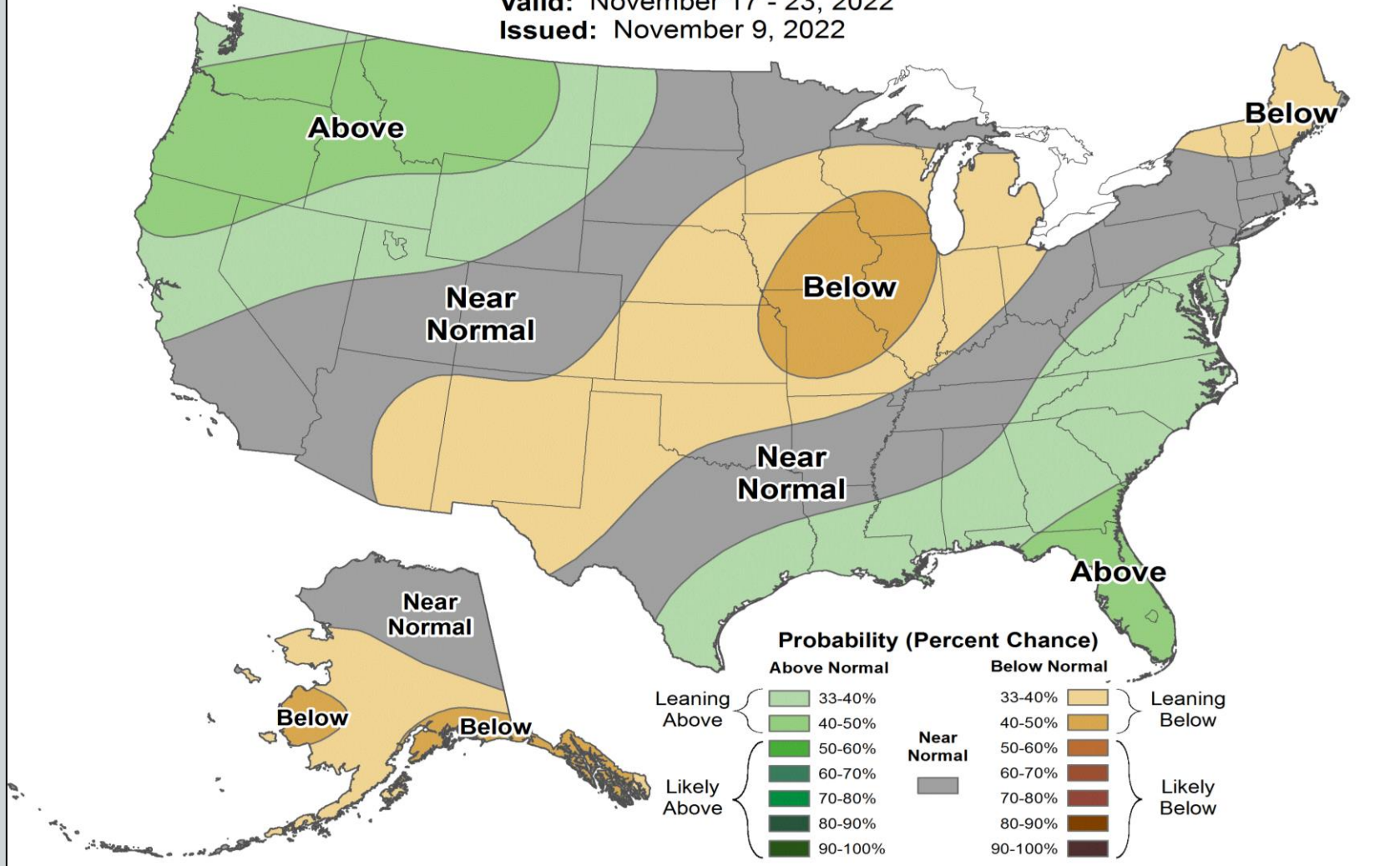
# 8-14 Day Precip Outlook



## 8-14 Day Precipitation Outlook

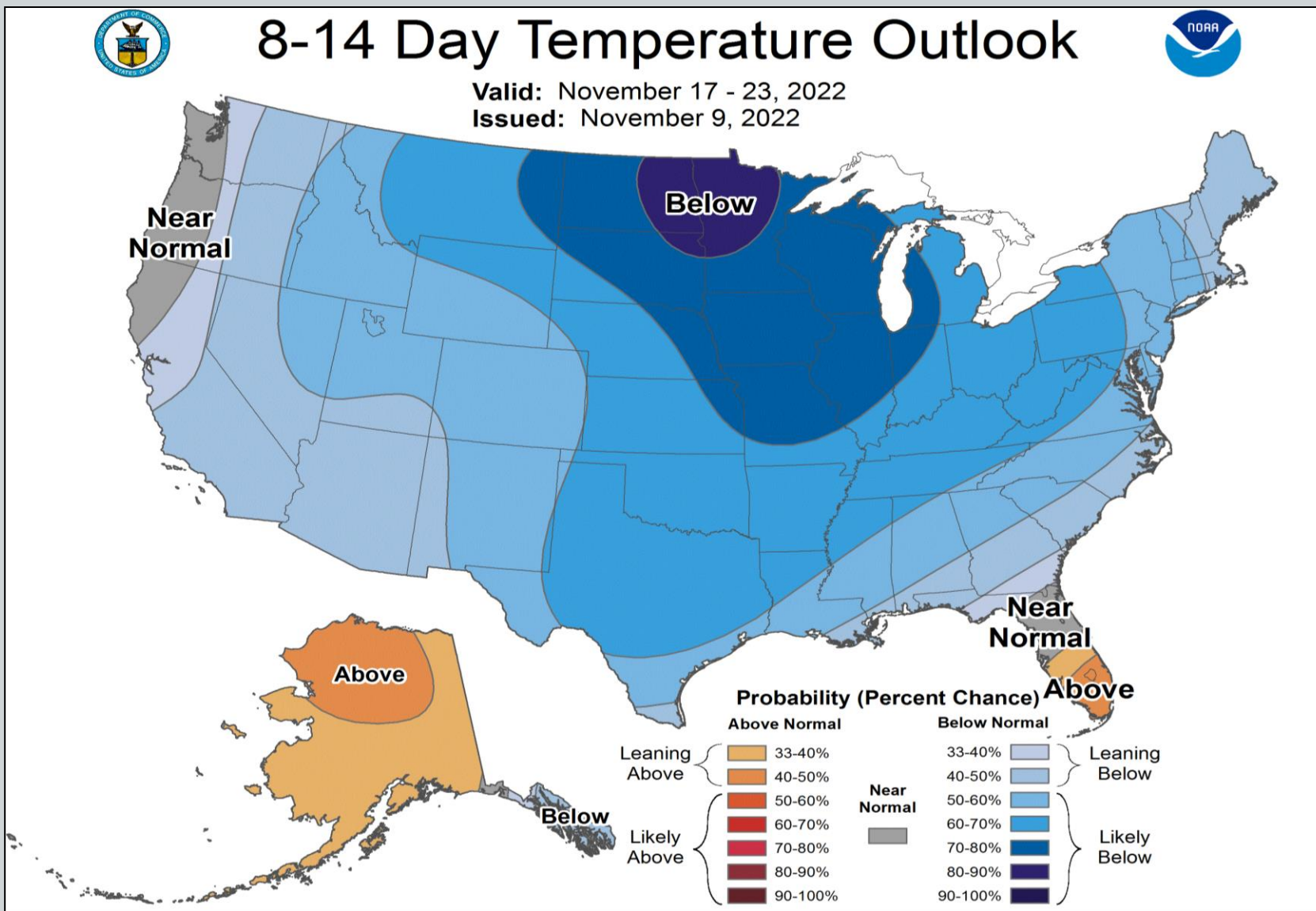


Valid: November 17 - 23, 2022  
Issued: November 9, 2022



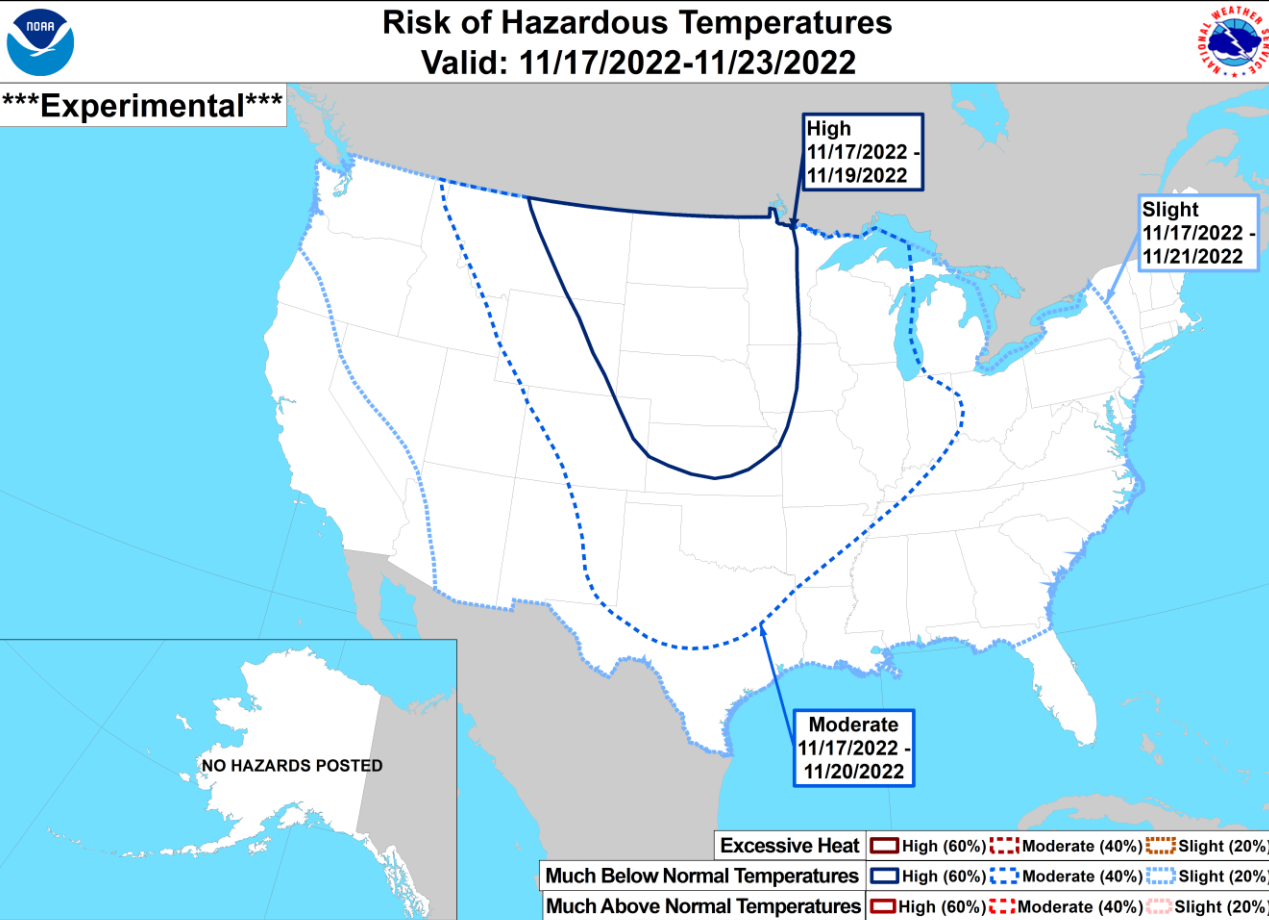


# 8-14 Day Temp Outlook



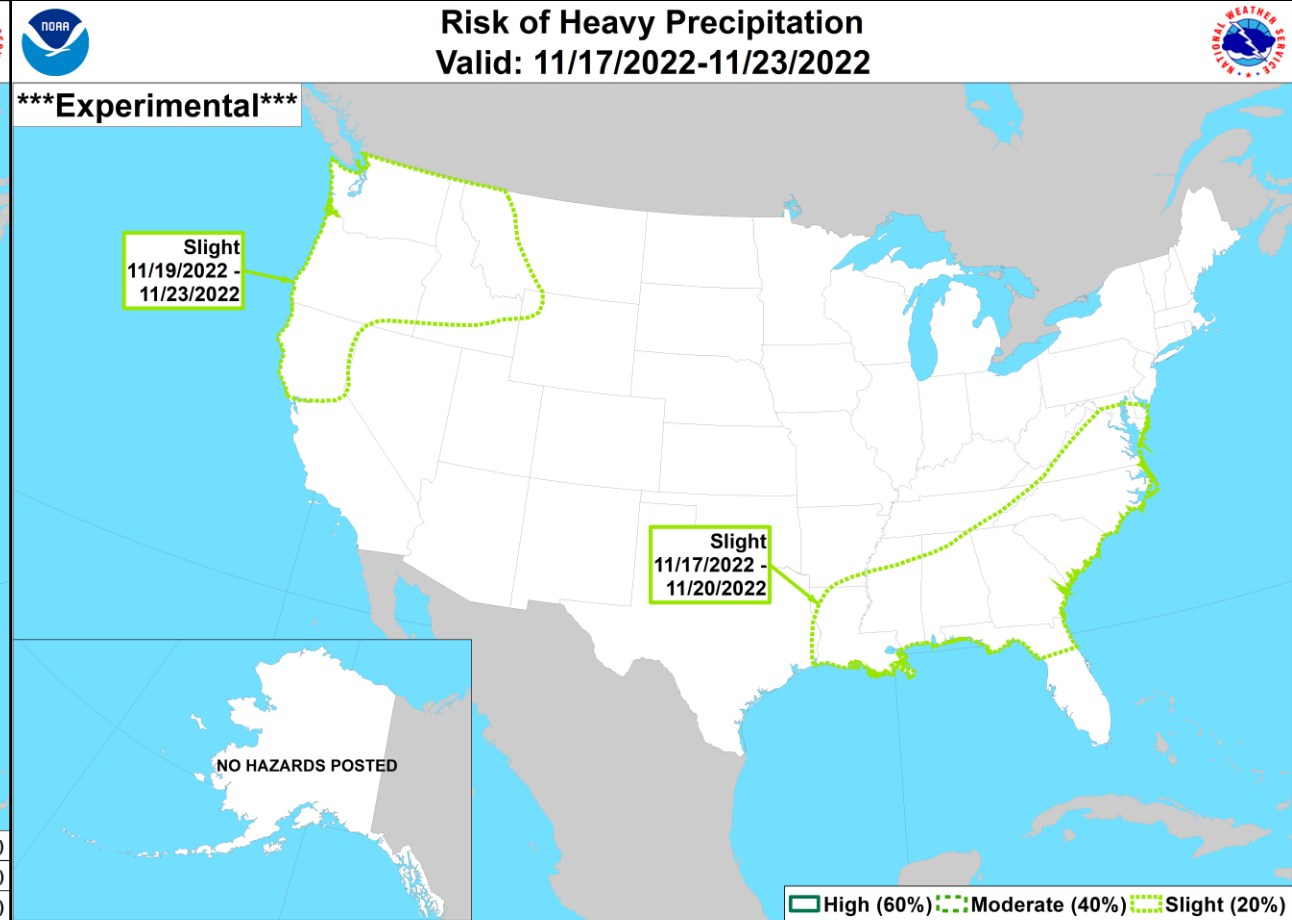


# Week 2 Hazards Outlook



Climate Prediction Center  
Made: 11/09/2022 3PM EST

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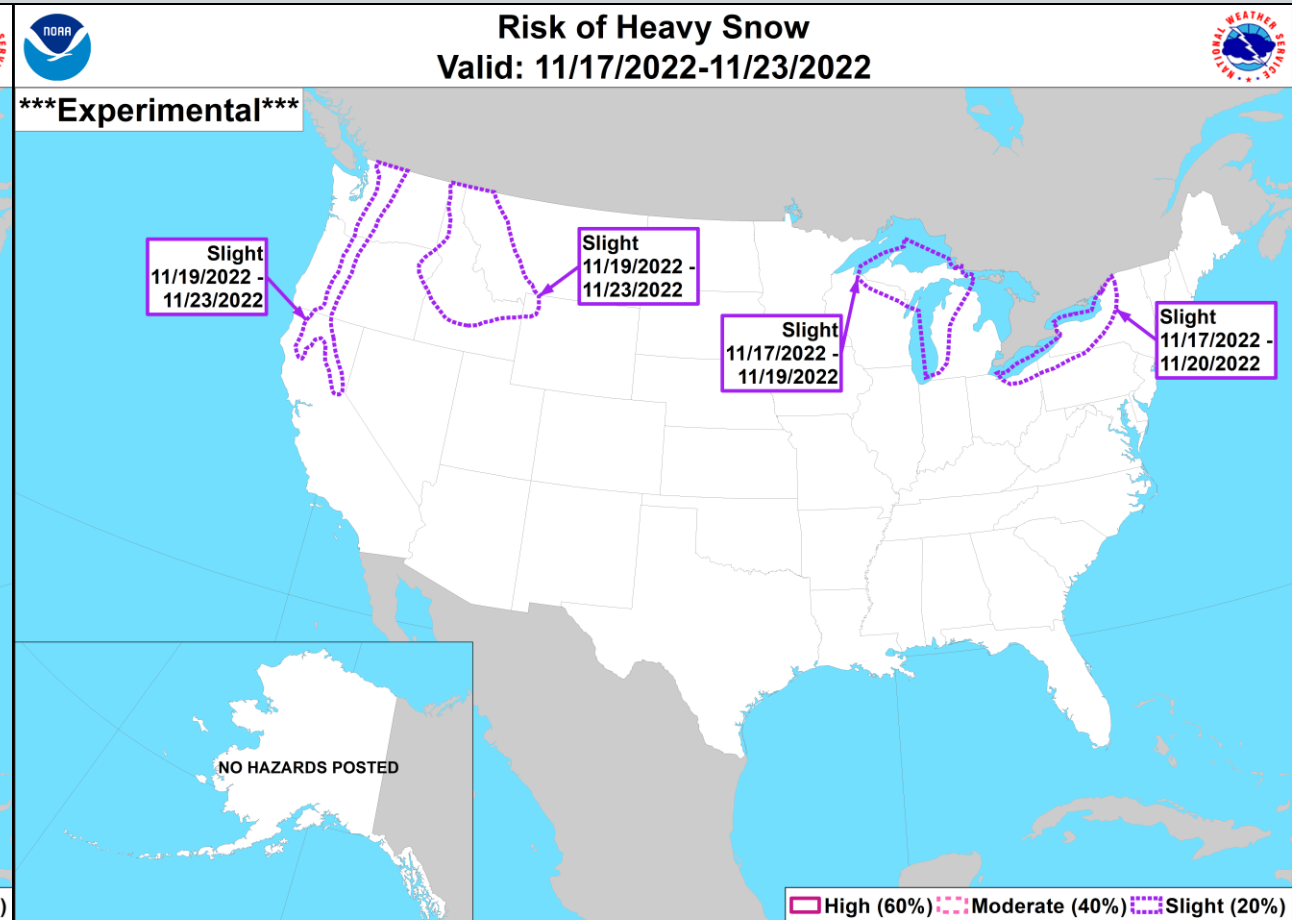
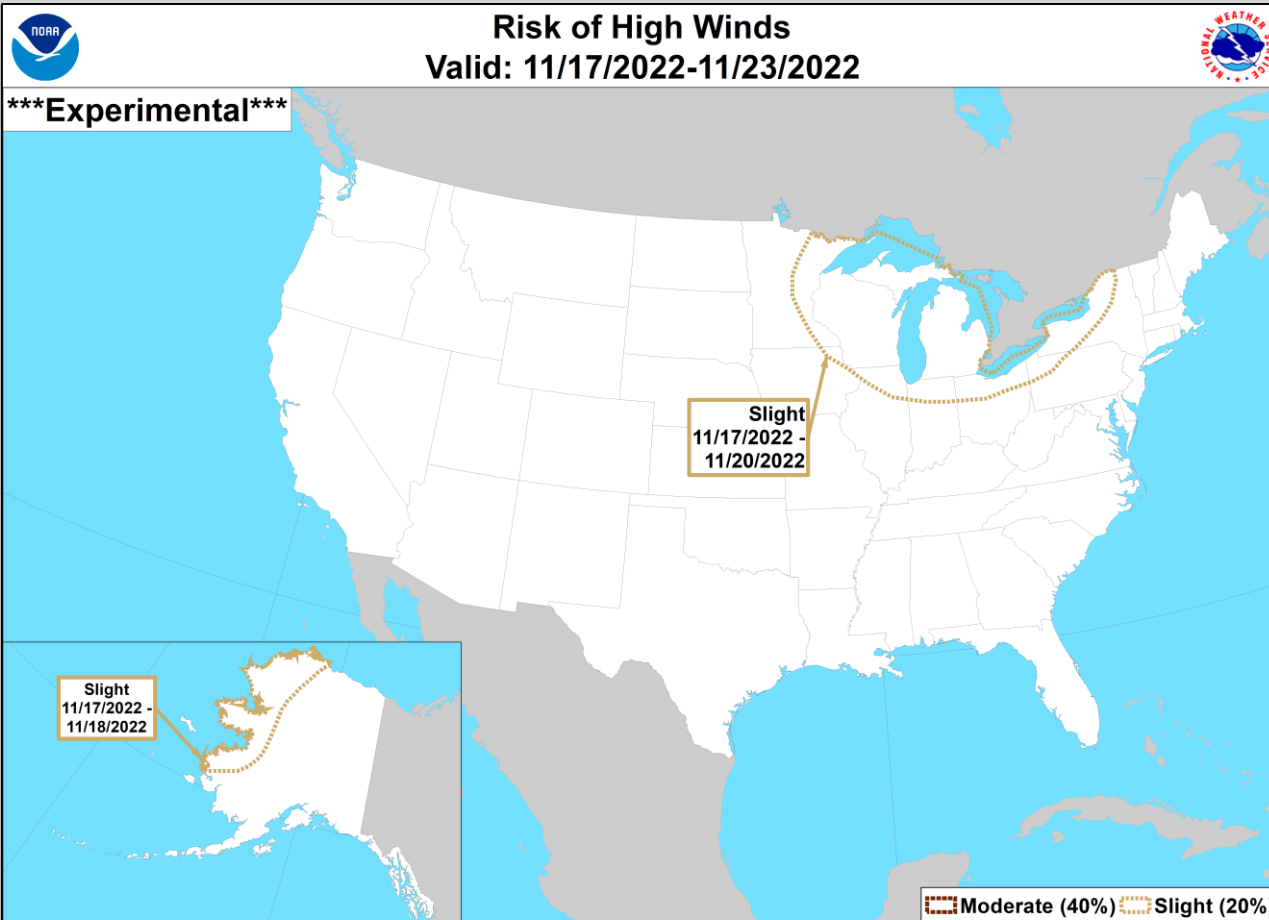
Climate Prediction Center  
Made: 11/09/2022 3PM EST

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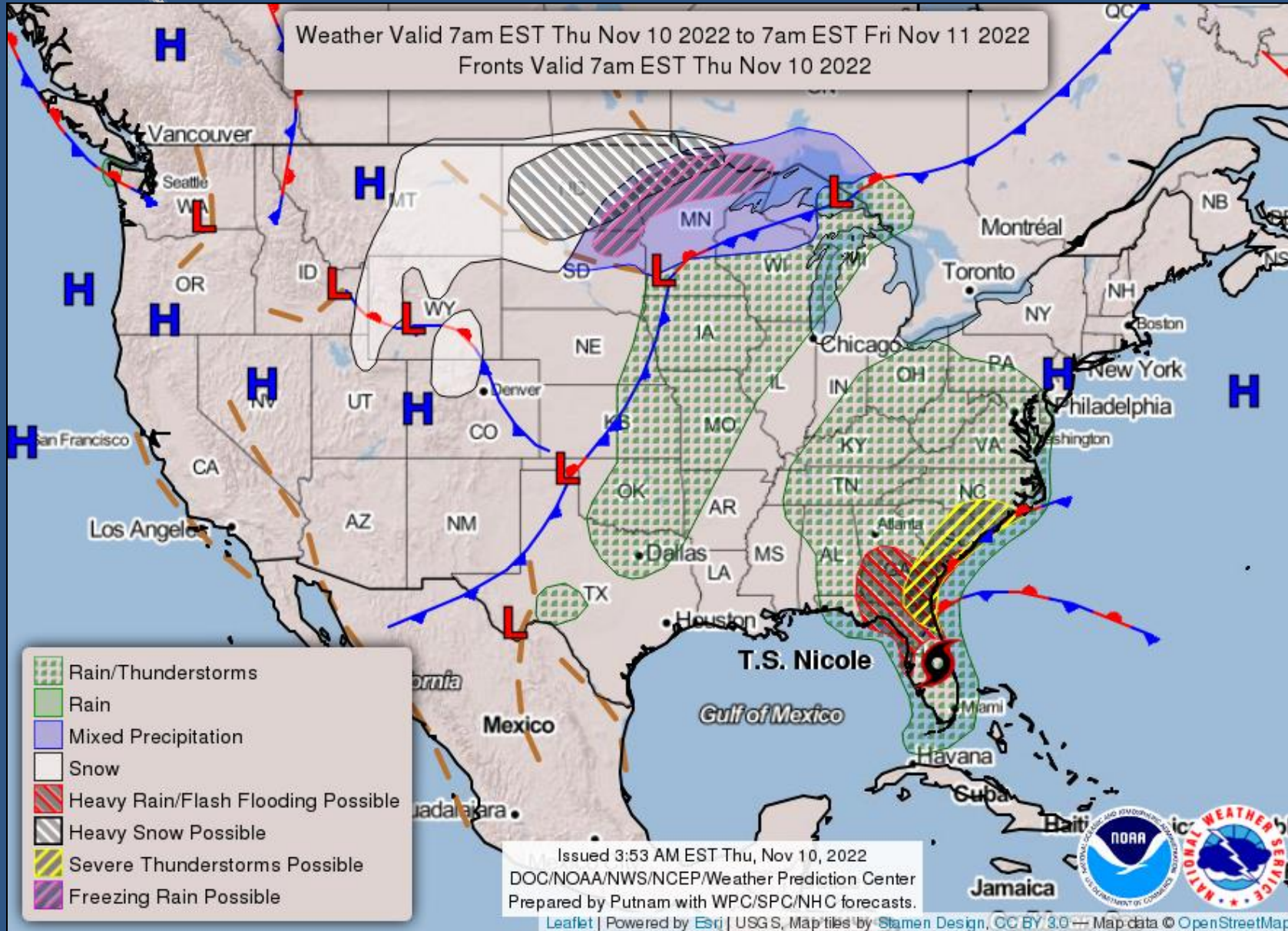
# Week 2 Hazards Outlook



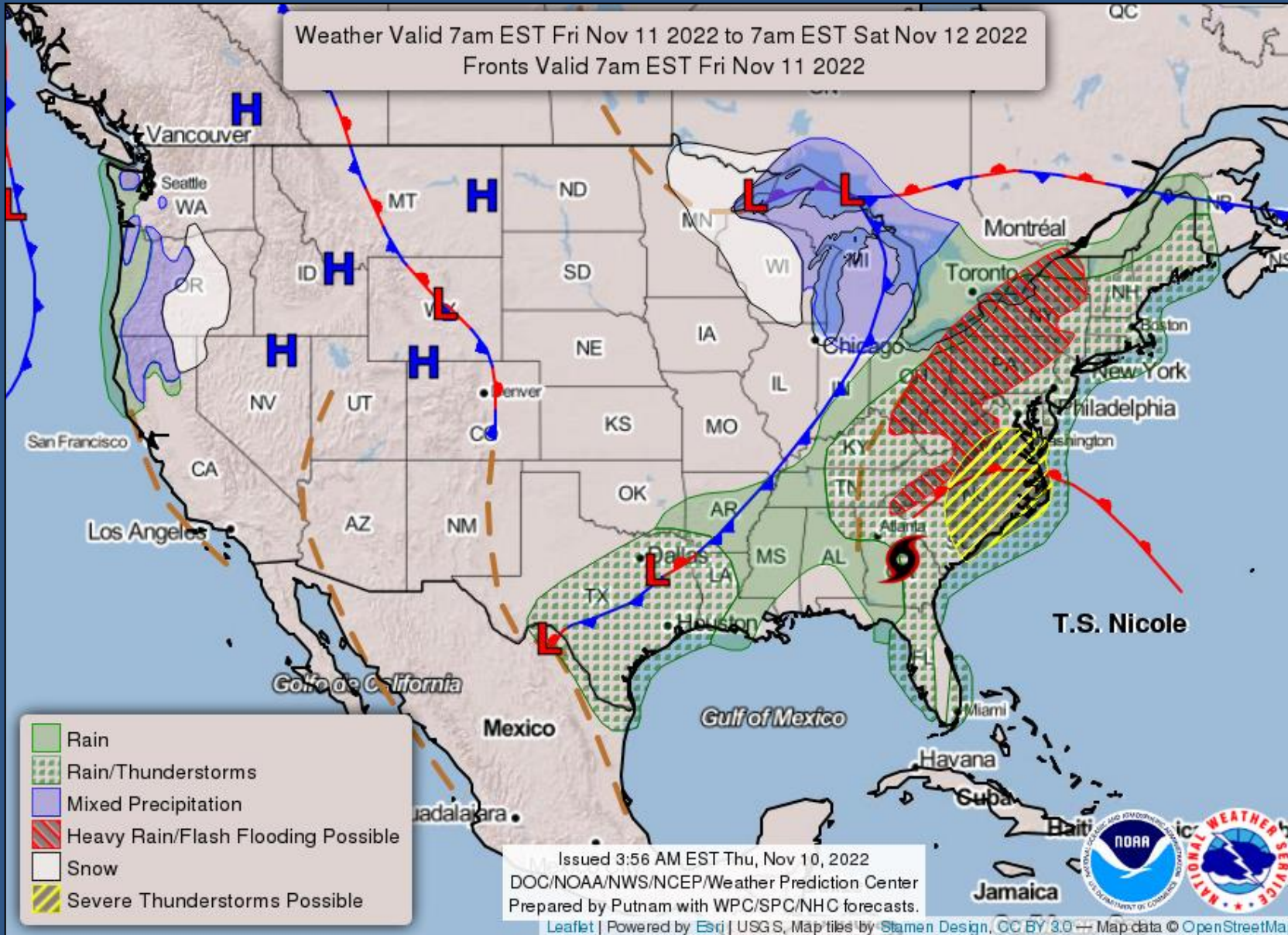


# Surface Maps

# Today's Surface Map

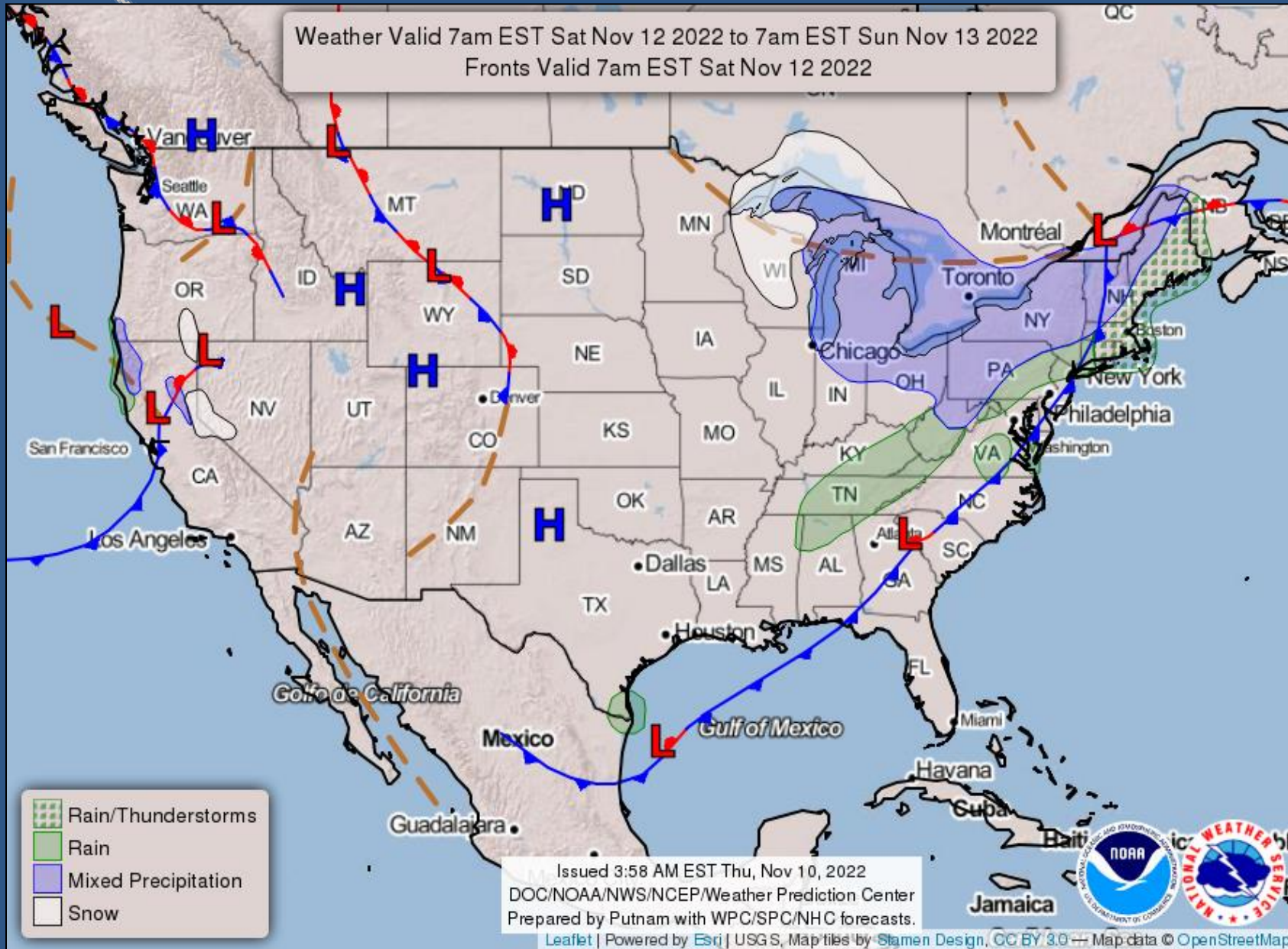


# Tomorrow's Forecast

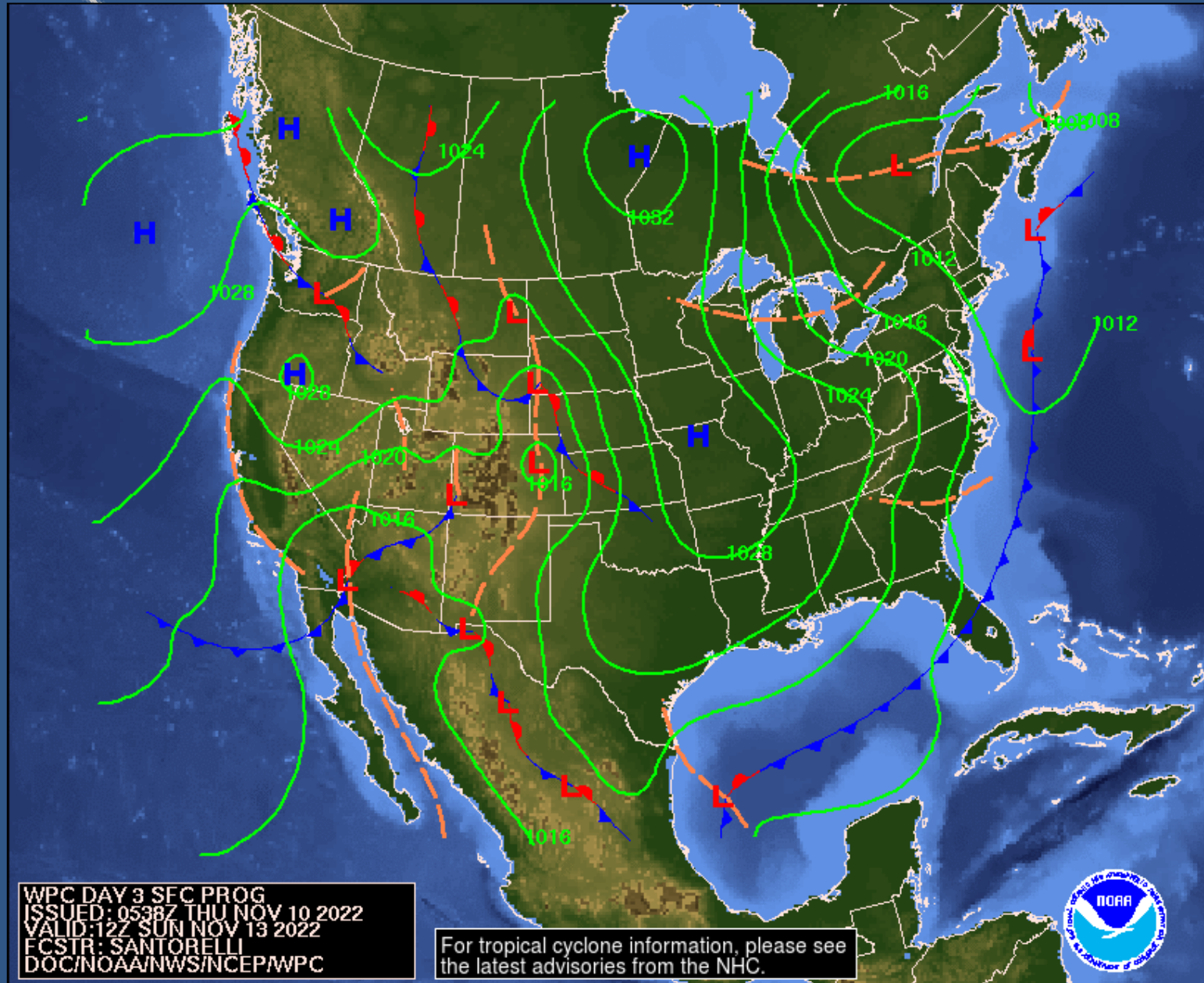




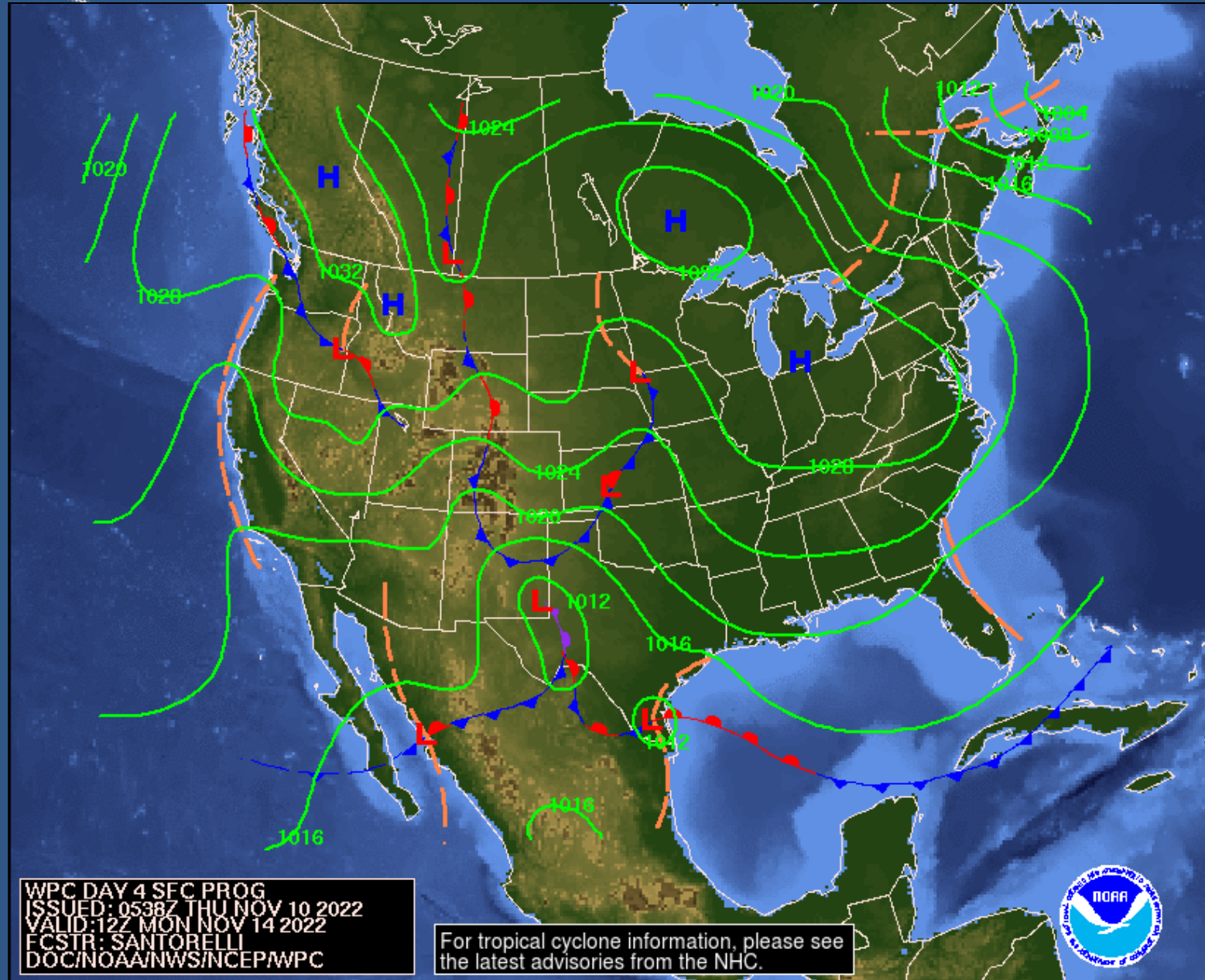
# Day 3 Forecast



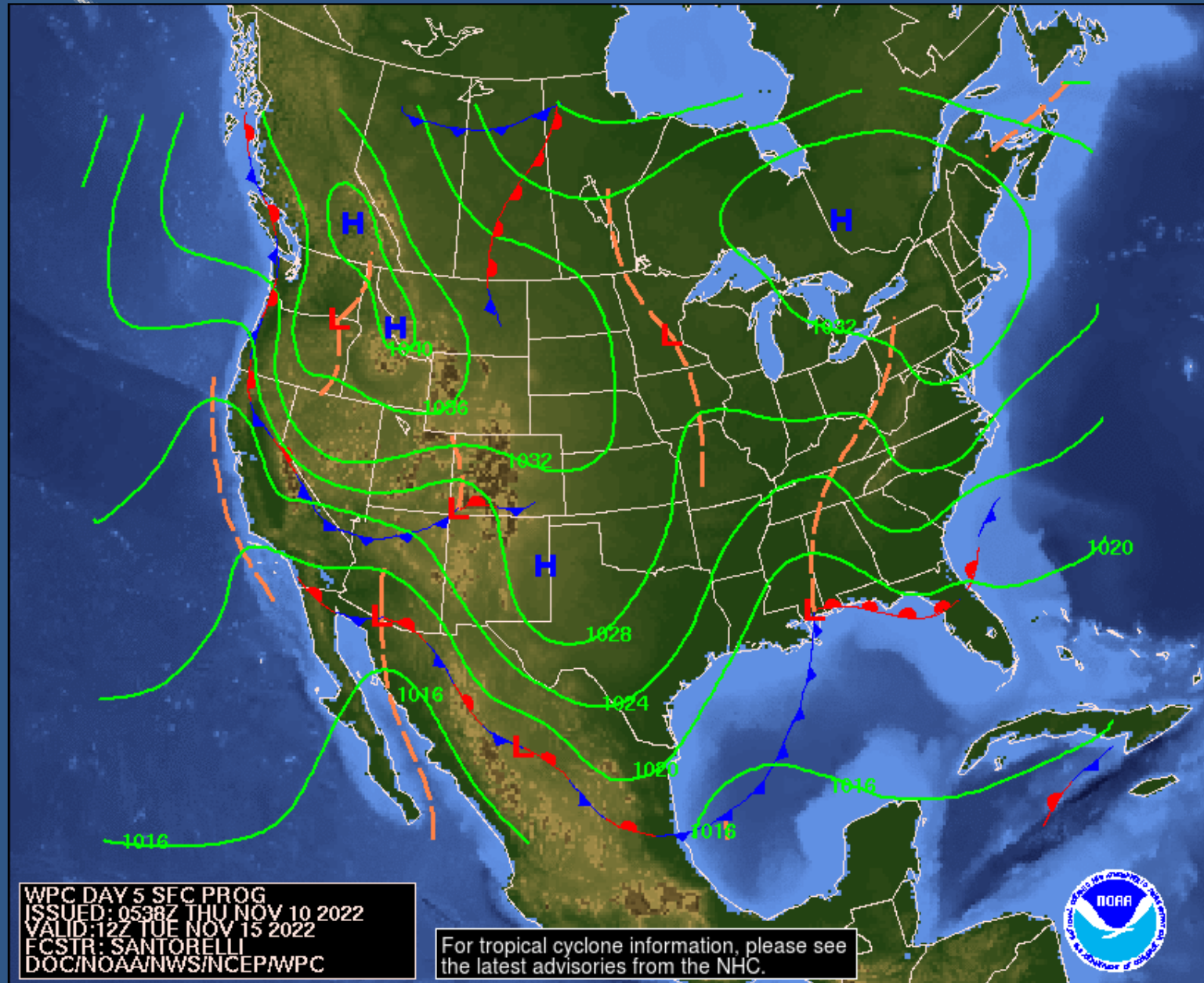
# Day 3 Forecast at 7am



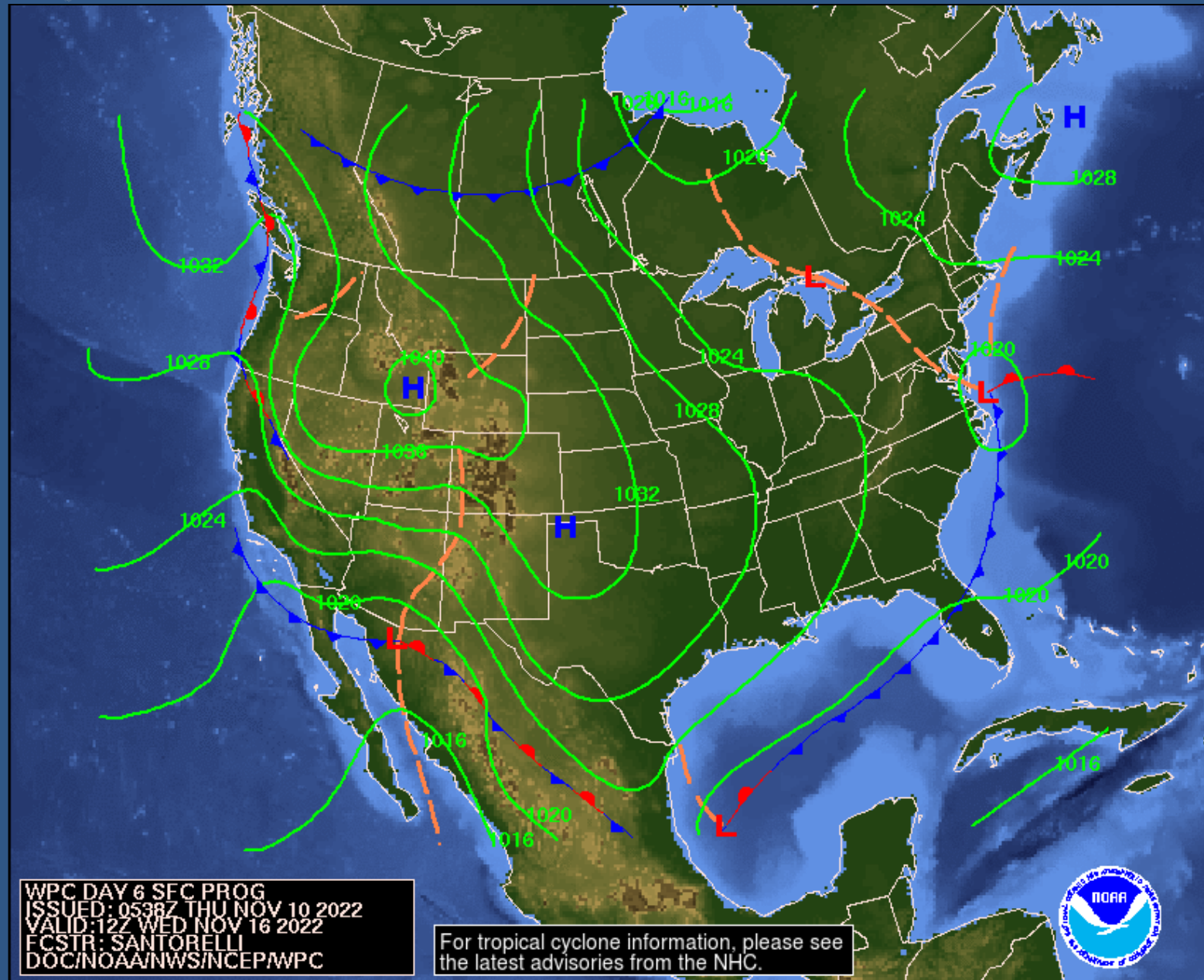
# Day 4 Forecast at 7am



# Day 5 Forecast at 7am



# Day 6 Forecast at 7am



# Day 7 Forecast at 7am

