

# NWS Houston/Galveston Monthly Hydrologic Report November 2023

**Produced by: Cameron Batiste**

**Date: 12/03/2023**

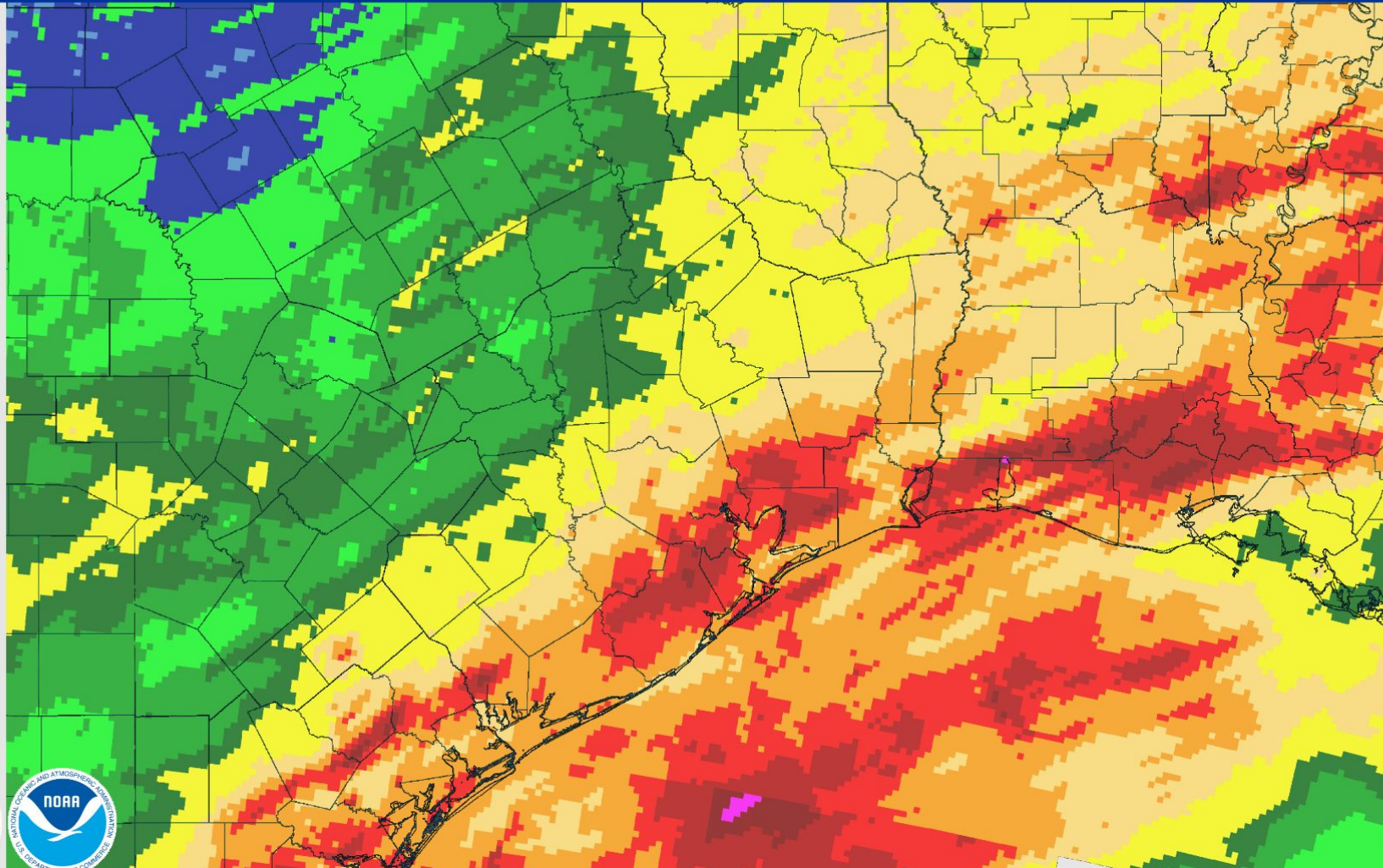
Most of the rainfall in November fell over areas that needed it most (along the coast), especially on the last day of the month where daily rainfall records were set at Houston-Hobby and Galveston. Chambers County and part of Liberty County remain in an extreme drought (D3), but these areas received some beneficial rainfall at the end of the month. So, there is some hope that we can roll into the first full week of December with no red on the drought monitor map!

# Monthly Precipitation

November 01, 2023 Monthly Observed Precipitation

Created on: December 03, 2023 - 10:34 UTC

Valid on: December 01, 2023 12:00 UTC

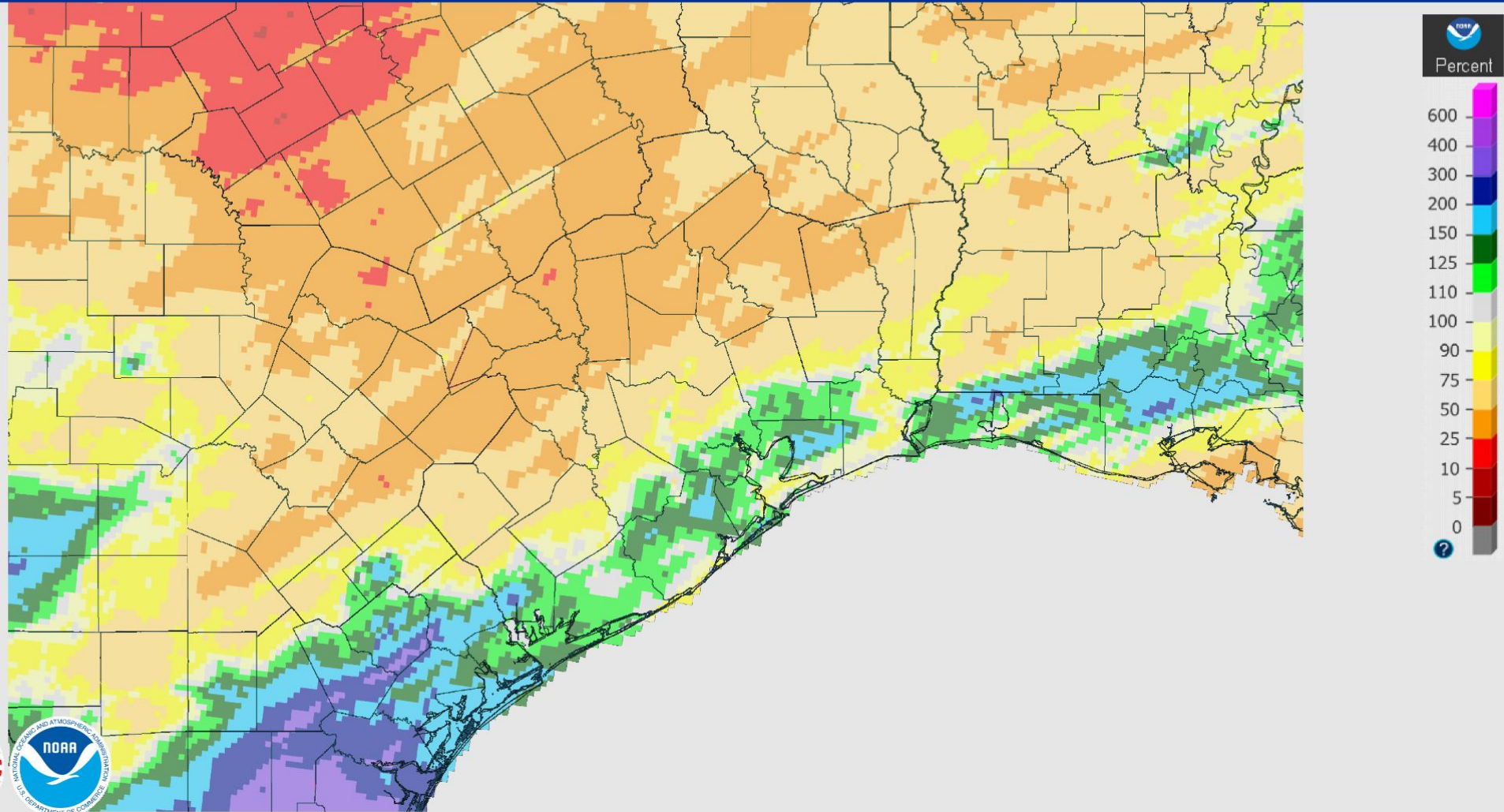


# Monthly Percent of Normal Precipitation

November 01, 2023 Monthly Percent Precipitation

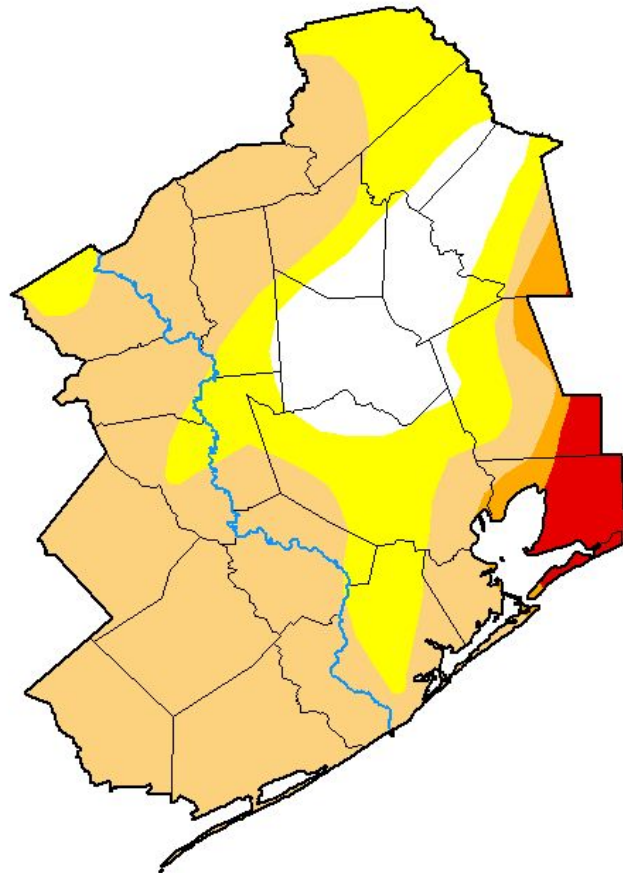
Created on: December 03, 2023 - 10:36 UTC

Valid on: December 01, 2023 12:00 UTC



# U.S. Drought Monitor

## U.S. Drought Monitor Houston/Galveston, TX WFO



**November 28, 2023**

(Released Thursday, Nov. 30, 2023)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	13.76	86.24	61.61	5.78	3.31	0.00
<b>Last Week</b> 11-21-2023	11.31	88.69	66.58	10.72	0.86	0.00
<b>3 Months Ago</b> 08-29-2023	0.00	100.00	100.00	100.00	99.99	35.28
<b>Start of Calendar Year</b> 01-03-2023	84.11	15.89	6.96	0.00	0.00	0.00
<b>Start of Water Year</b> 09-26-2023	0.00	100.00	100.00	100.00	99.98	55.82
<b>One Year Ago</b> 11-29-2022	48.46	51.54	15.32	4.40	0.00	0.00

Intensity:

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

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>

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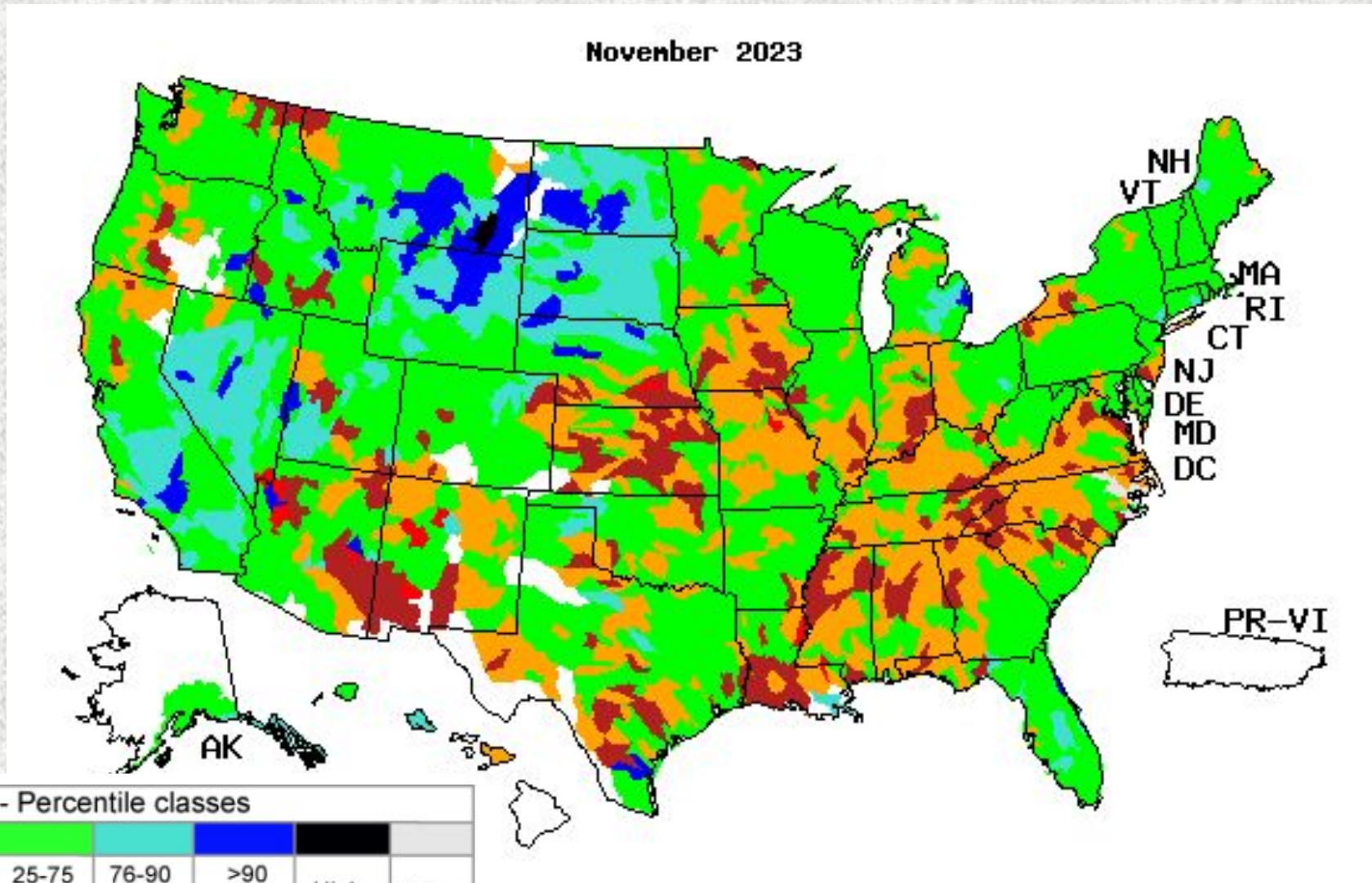


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

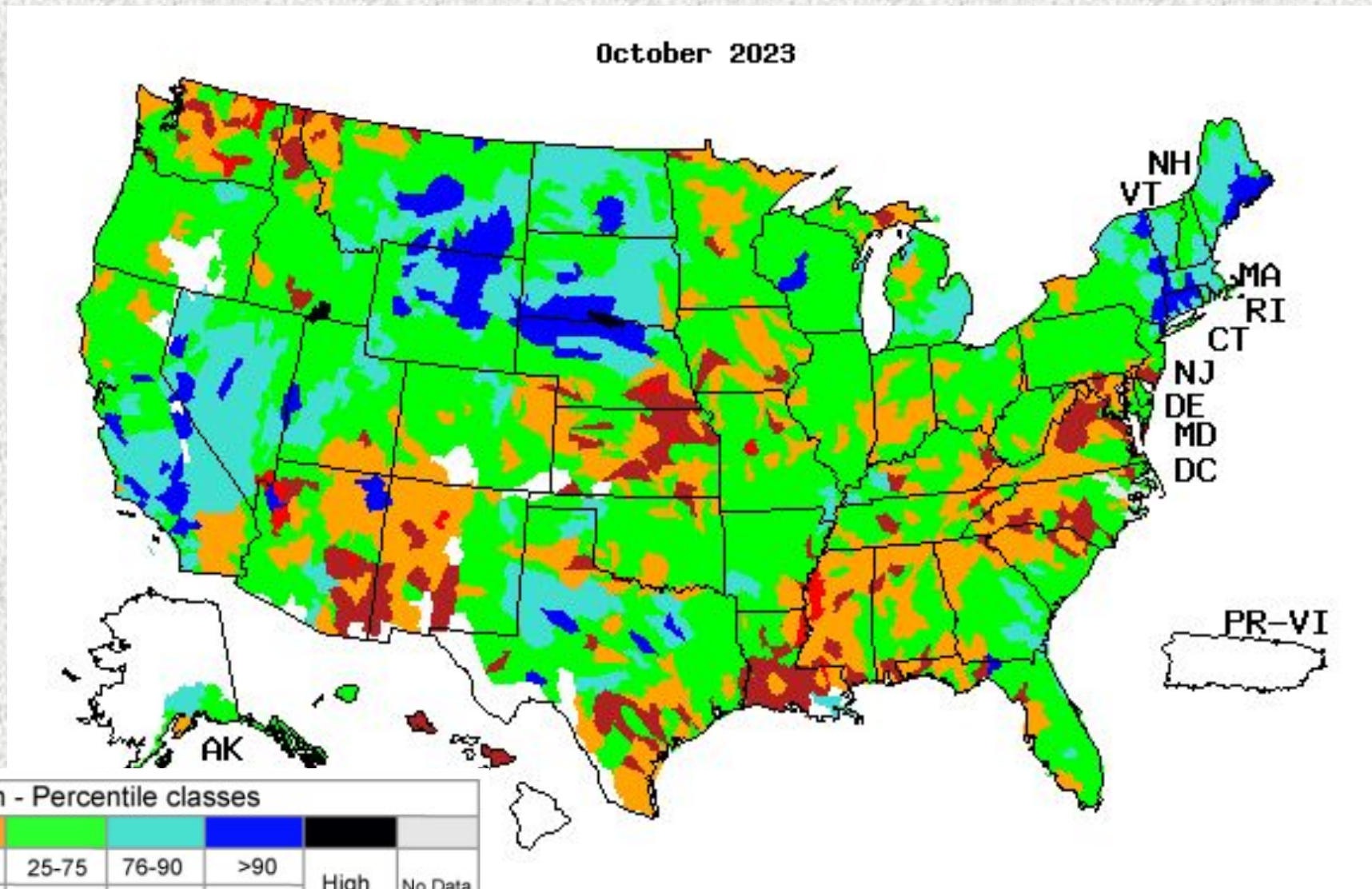
# River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
None			

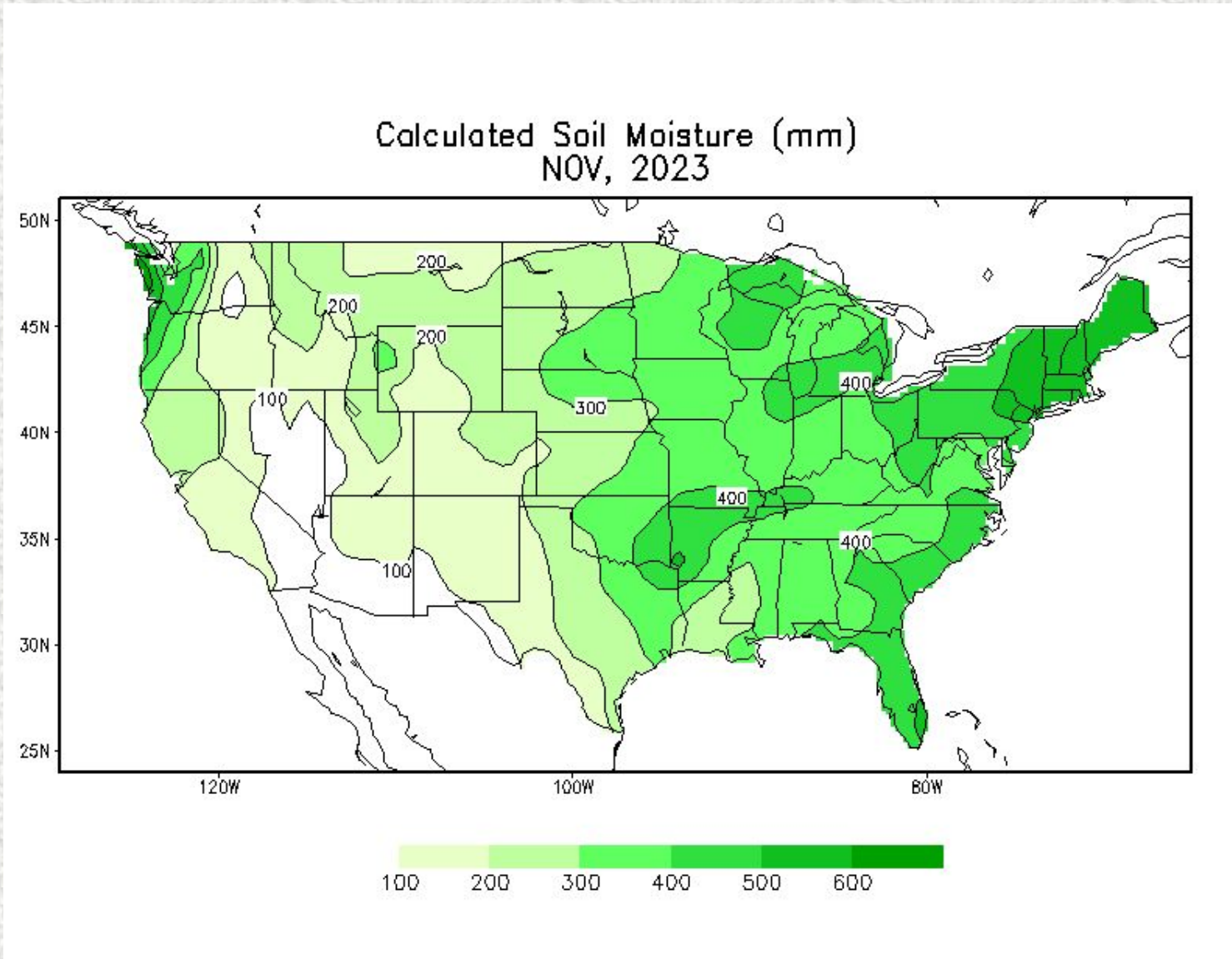
# Monthly Average Streamflow



# Previous Monthly Average Streamflow

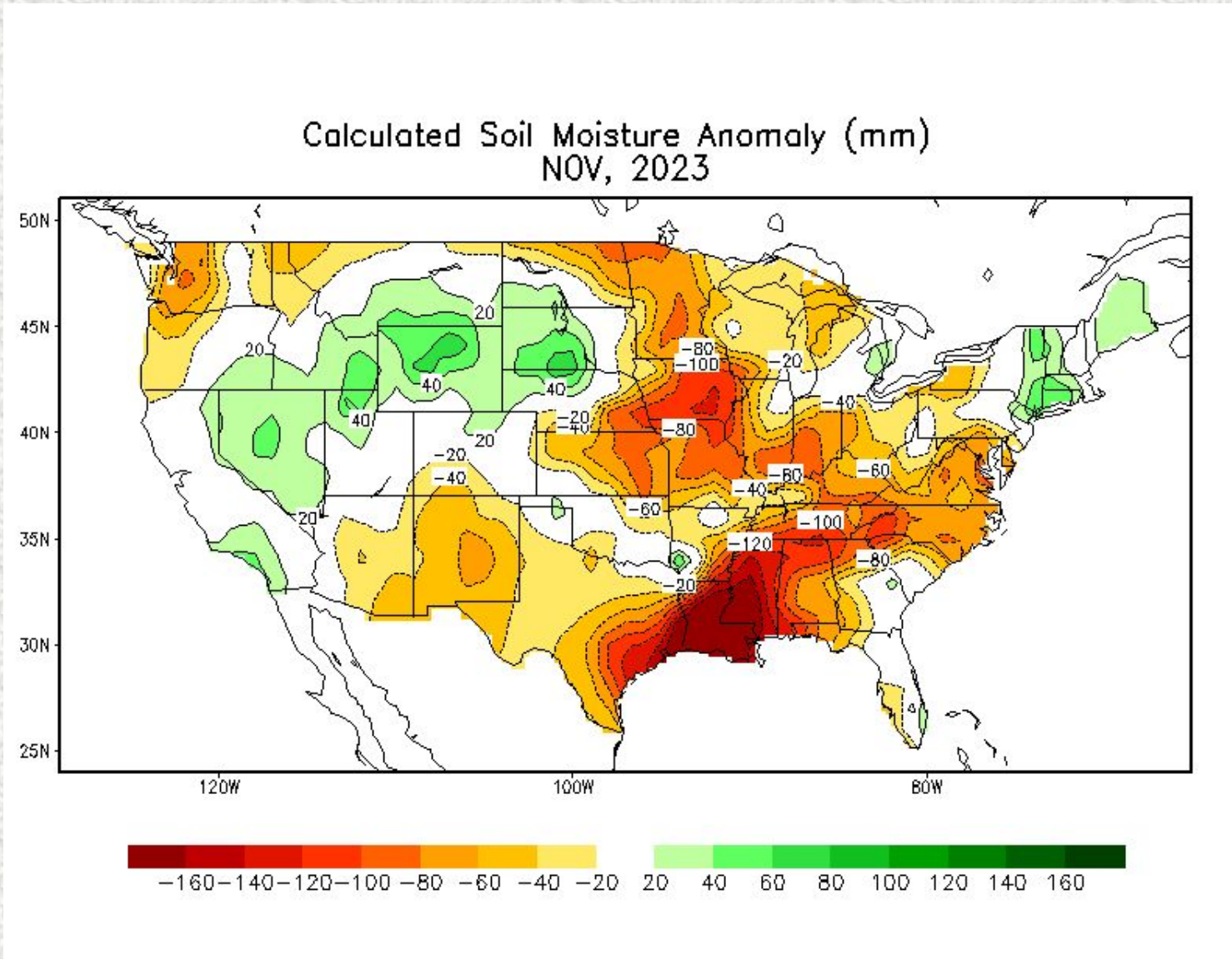


# Soil Moisture

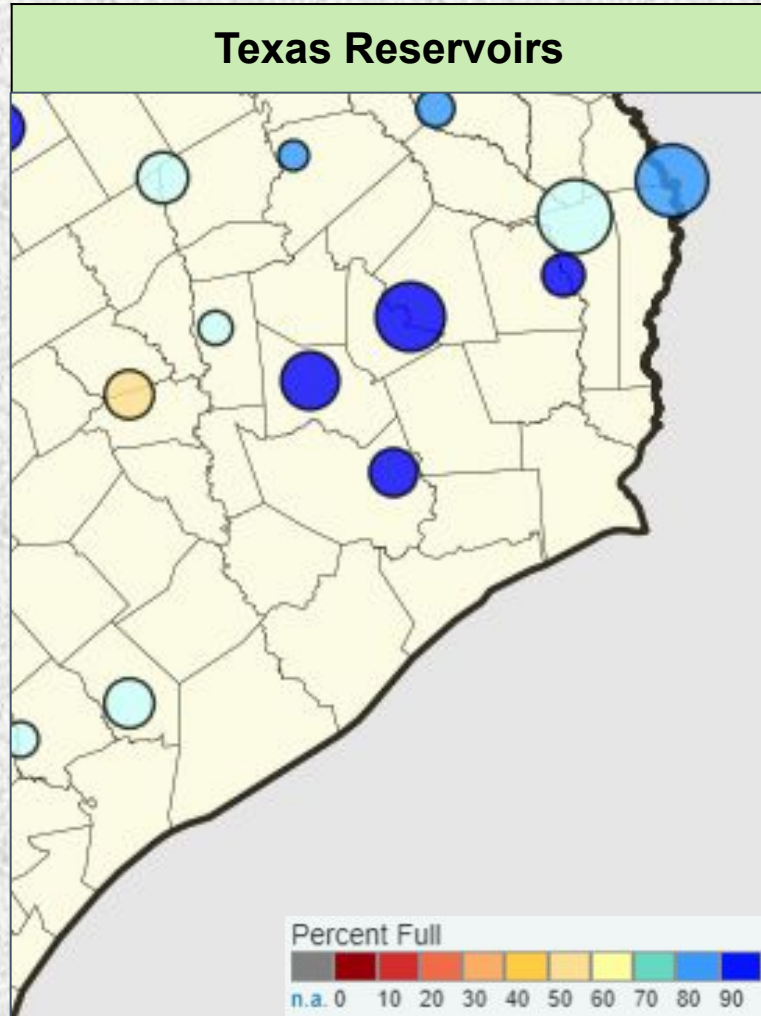




# Soil Moisture Anomaly



# Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	88.4%
Lake Livingston	99.8%
Lake Conroe	96.7%
Lake Houston	100.0%
Gibbons Creek Reservoir	71.9%
Lake Somerville	59.7%
Lake Texana	73.2%

Data added on: December 3, 2023 at 5:00 am CST

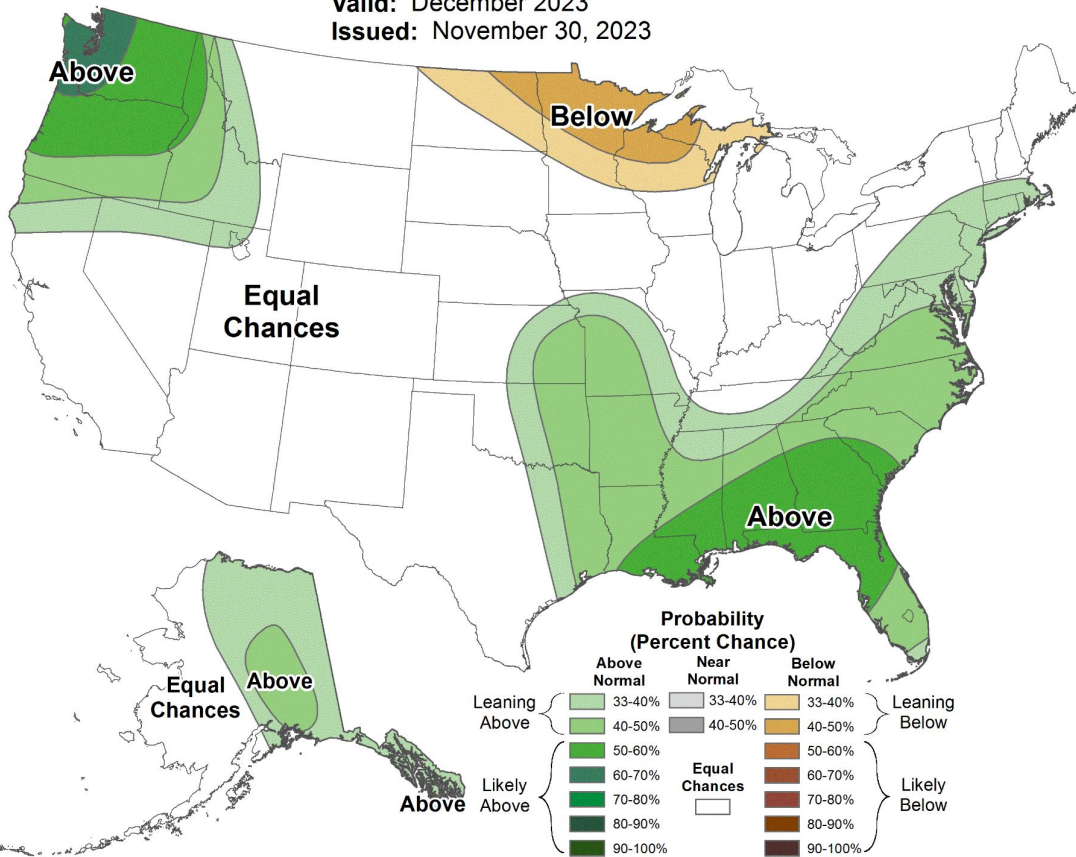
# Precipitation Outlooks



## Monthly Precipitation Outlook



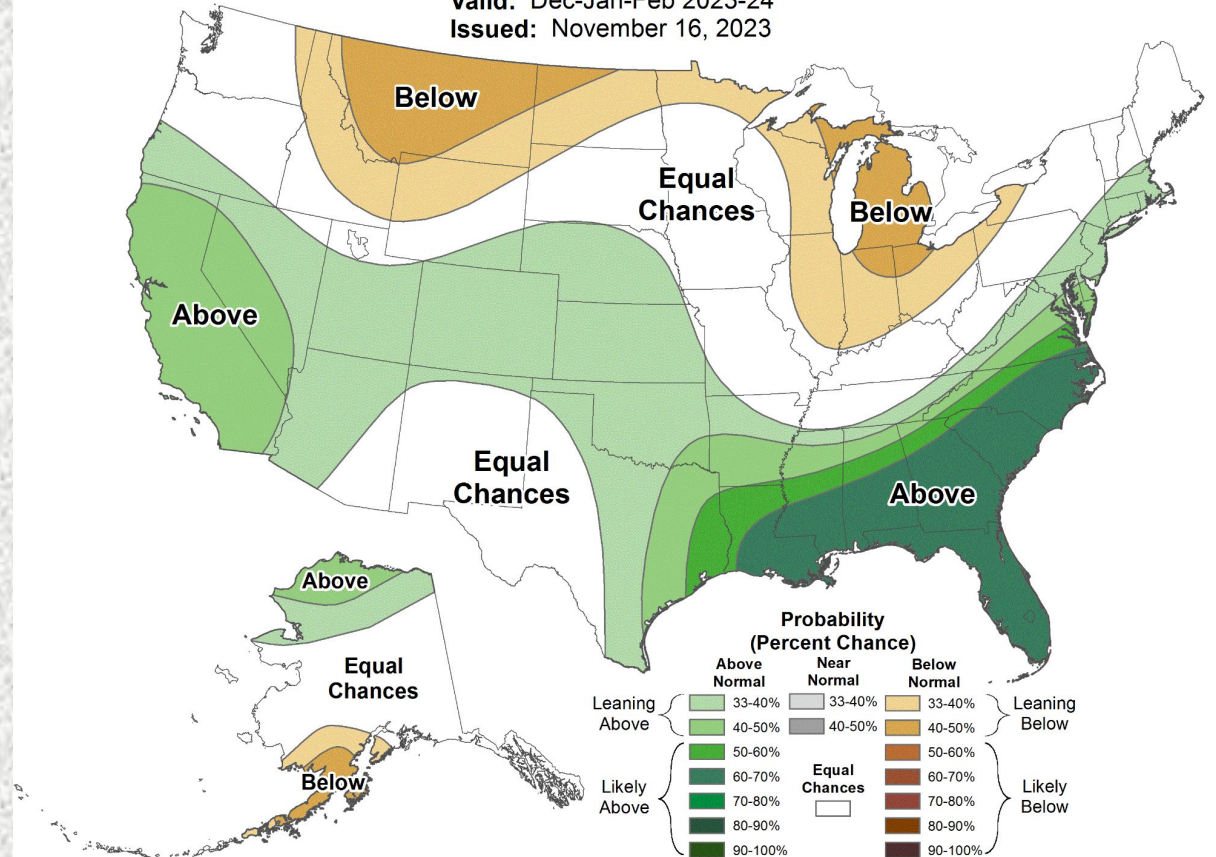
Valid: December 2023  
Issued: November 30, 2023



## Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2023-24  
Issued: November 16, 2023



# Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	0
Flash Flood Warning (FFW)	1 (ETN: 017)
Flash Flood Statement (FFS)	0
Areal Flood Warning	0
River Flood Warnings (FLW)	0
River Flood Statements	0
Flood Advisories (FLS)	3 (ETN: 104-106)
Probabilistic Hydrologic Outlook (ESF)	6