

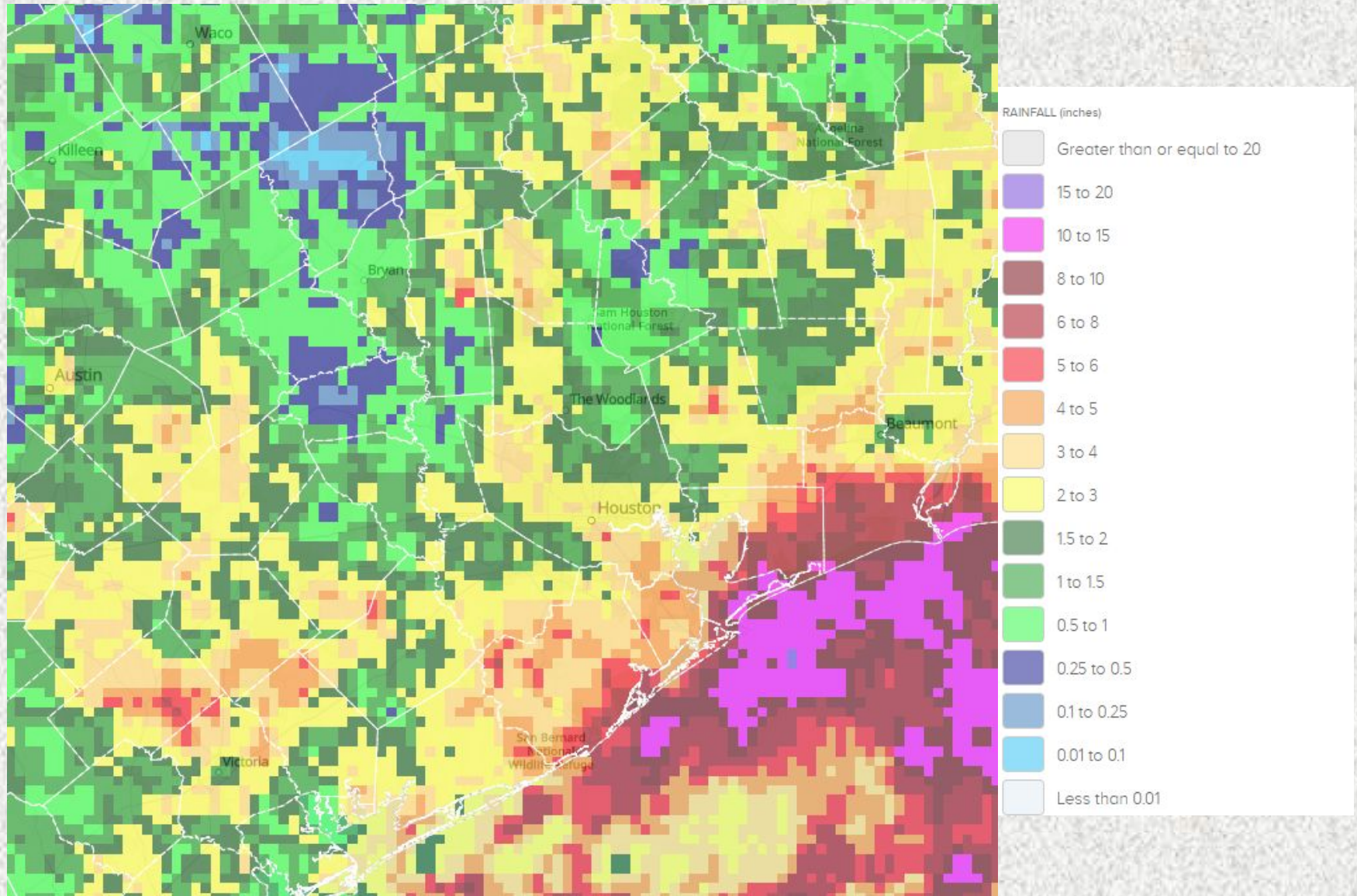
# NWS Houston/Galveston Monthly Hydrologic Report August 2024

**Produced by: Cameron Batiste**

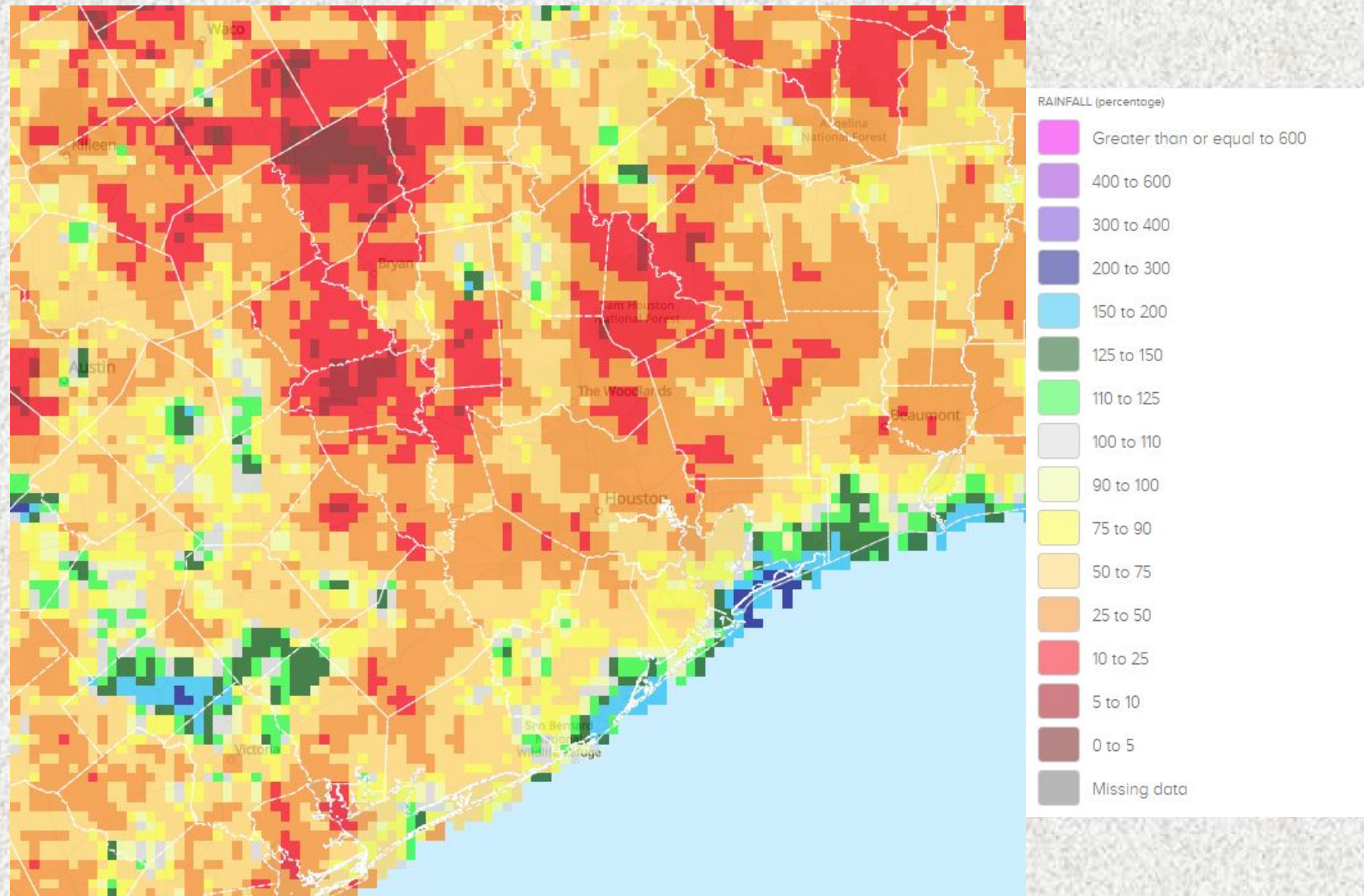
**Date: 09/07/2024**

Overall, a relatively uneventful month, especially when compared to the previous month. Coastal locations were the rainfall winners whereas most locations saw generally less than 2-3" of rain throughout the month. As a result, D0 level drought (abnormally dry) was added back to the drought monitor for portions of the Brazos Valley/Piney Woods.

# Monthly Precipitation

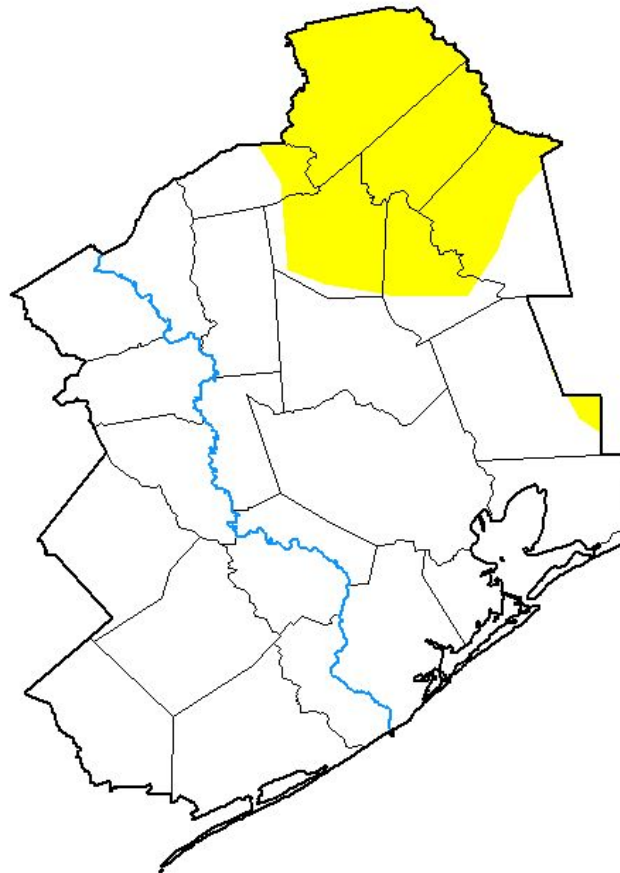


# Monthly Percent of Normal Precipitation



# U.S. Drought Monitor

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



**August 27, 2024**

(Released Thursday, Aug. 29, 2024)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	80.95	19.05	0.00	0.00	0.00	0.00
<b>Last Week</b> 08-20-2024	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> 05-28-2024	90.93	9.07	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-02-2024	26.21	73.79	57.44	11.02	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> 08-29-2023	0.00	100.00	100.00	100.00	99.99	35.28

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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NCEI/NOAA



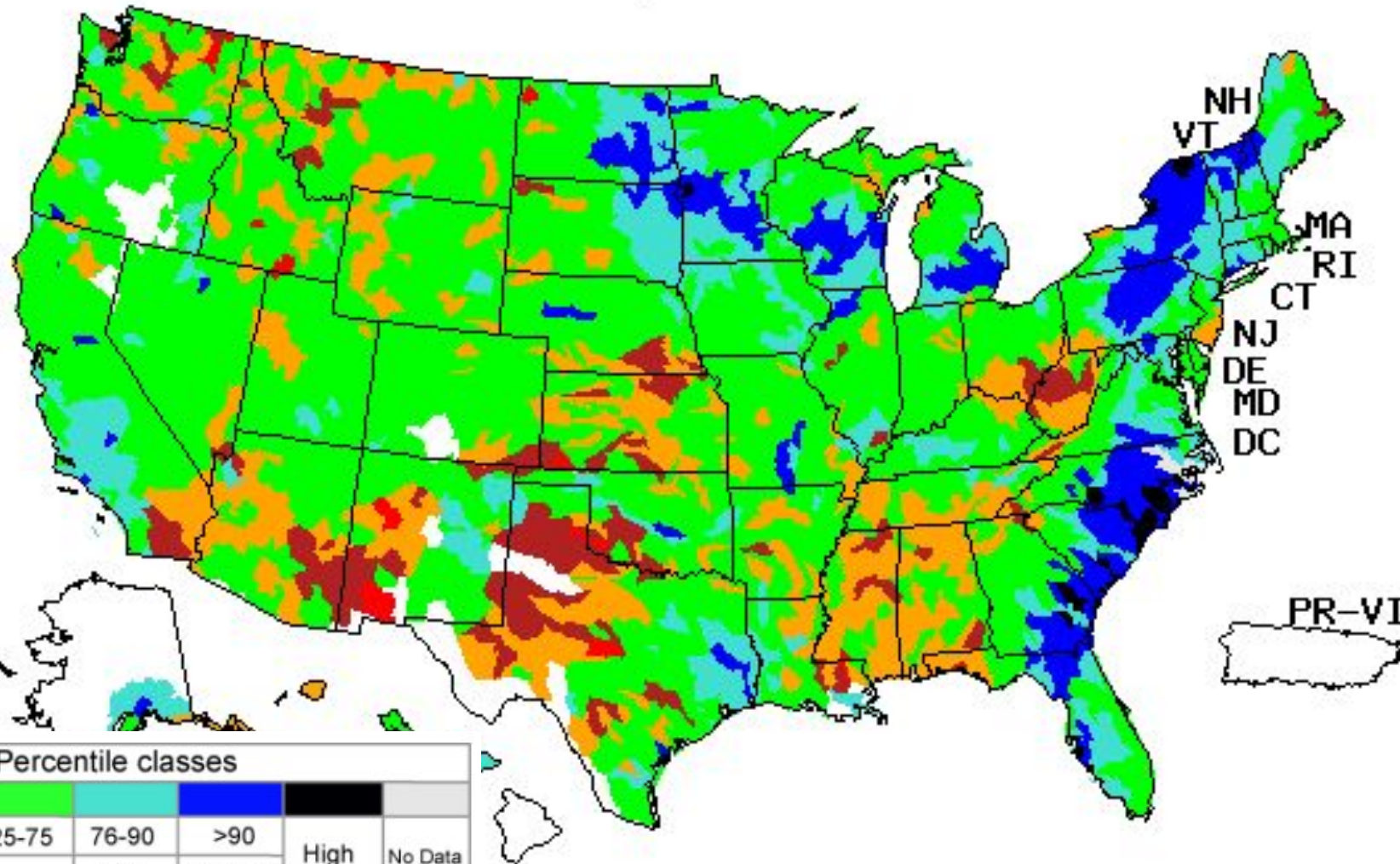
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
Trinity River near Moss Bluff (MBFT2)	12.2	14.15	07/30 11:15Z
		12.20	08/02 01:00Z

# Monthly Average Streamflow

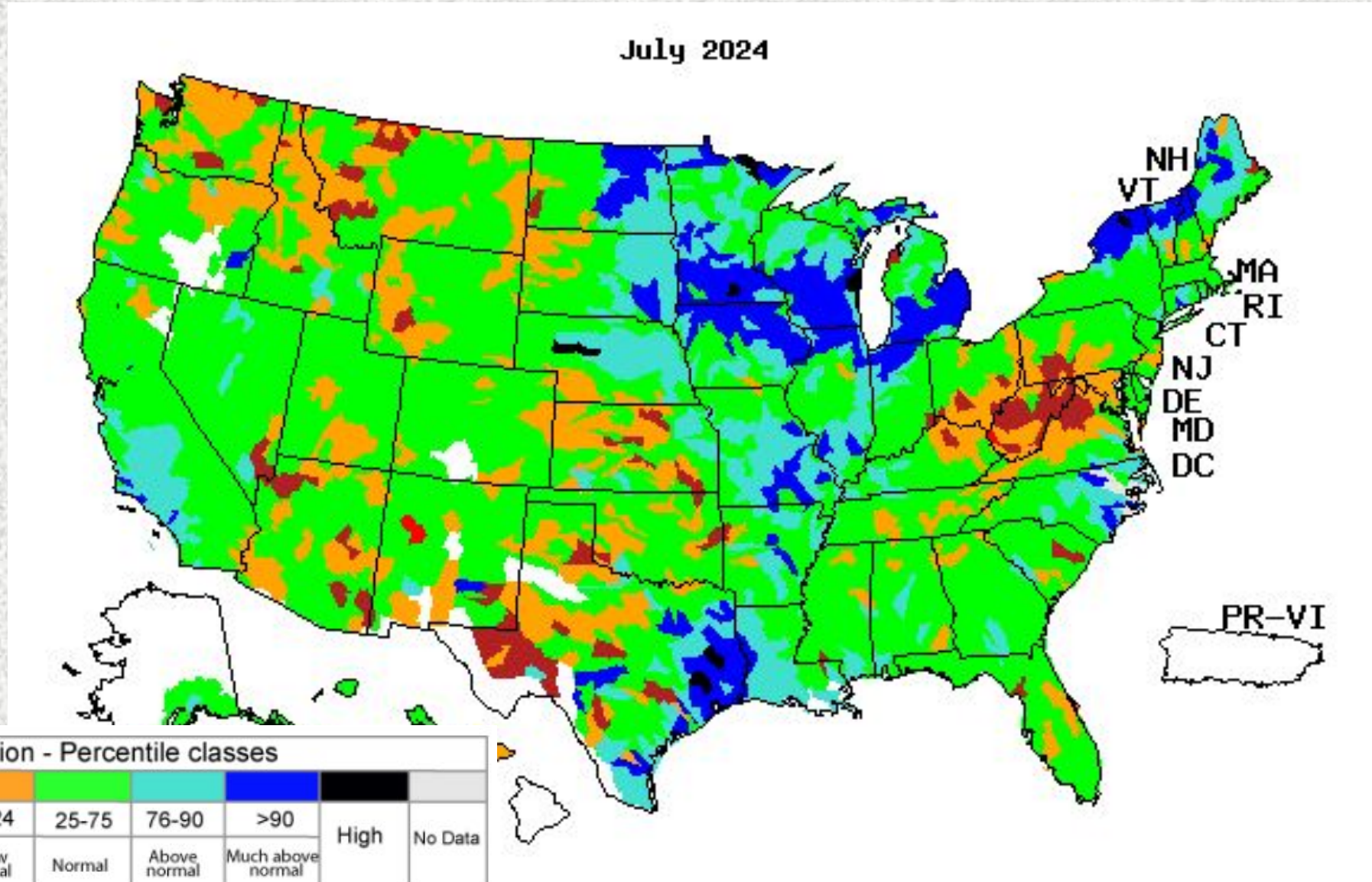
August 2024



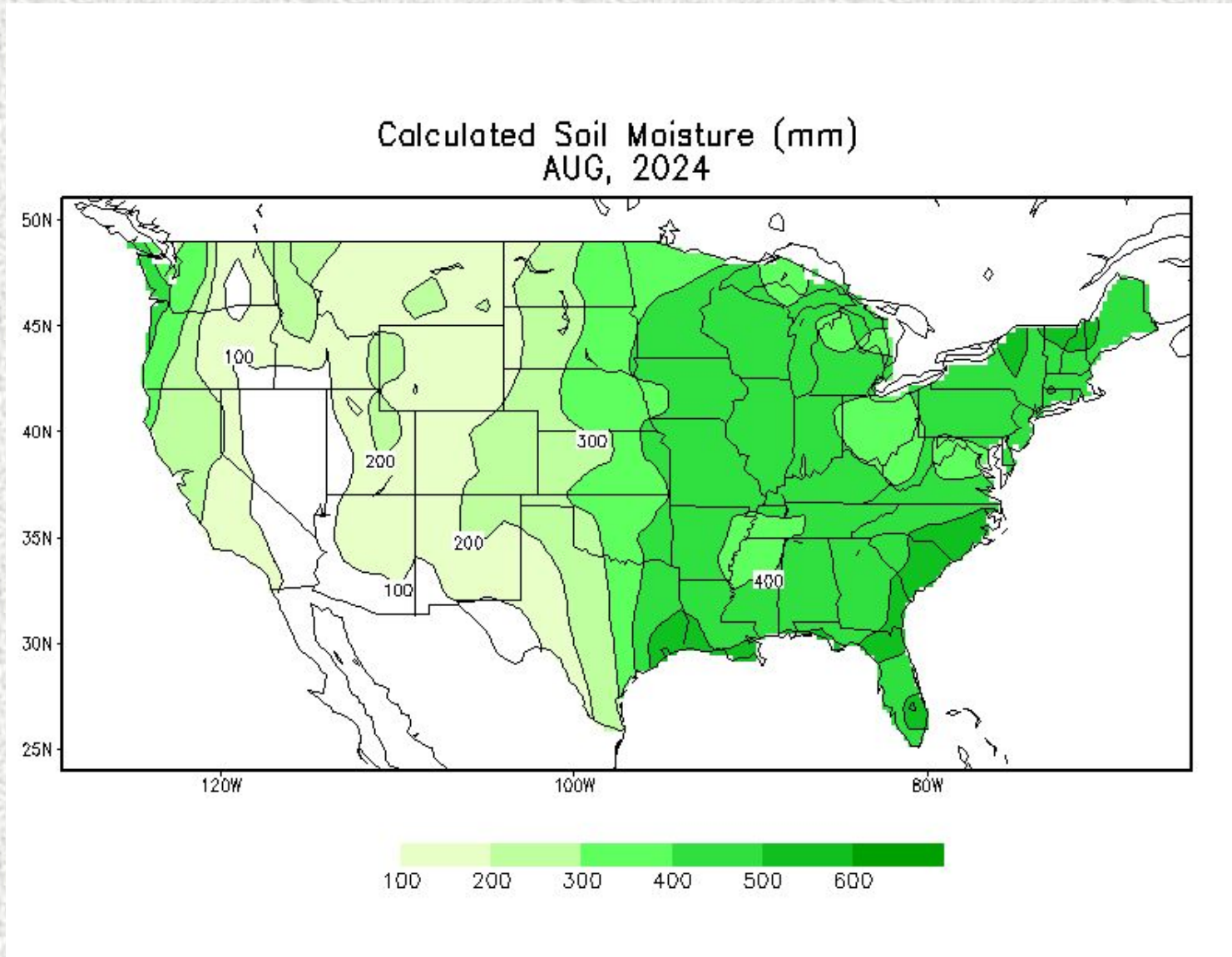
Explanation - Percentile classes

Low	<10	10-24	25-75	76-90	>90	High	No Data	
	Much below normal	Below normal	Normal	Above normal	Much above normal			

# Previous Monthly Average Streamflow



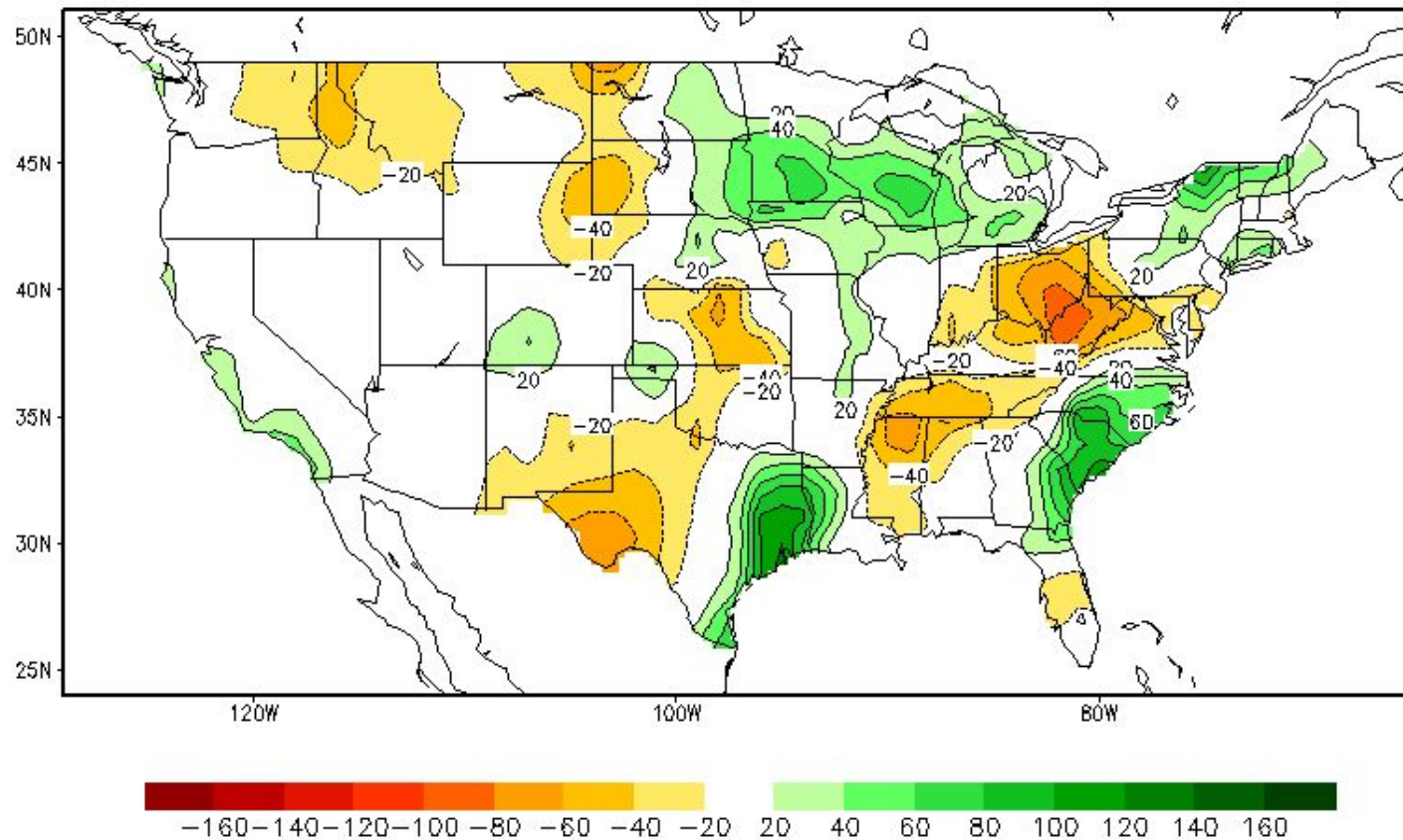
# Soil Moisture



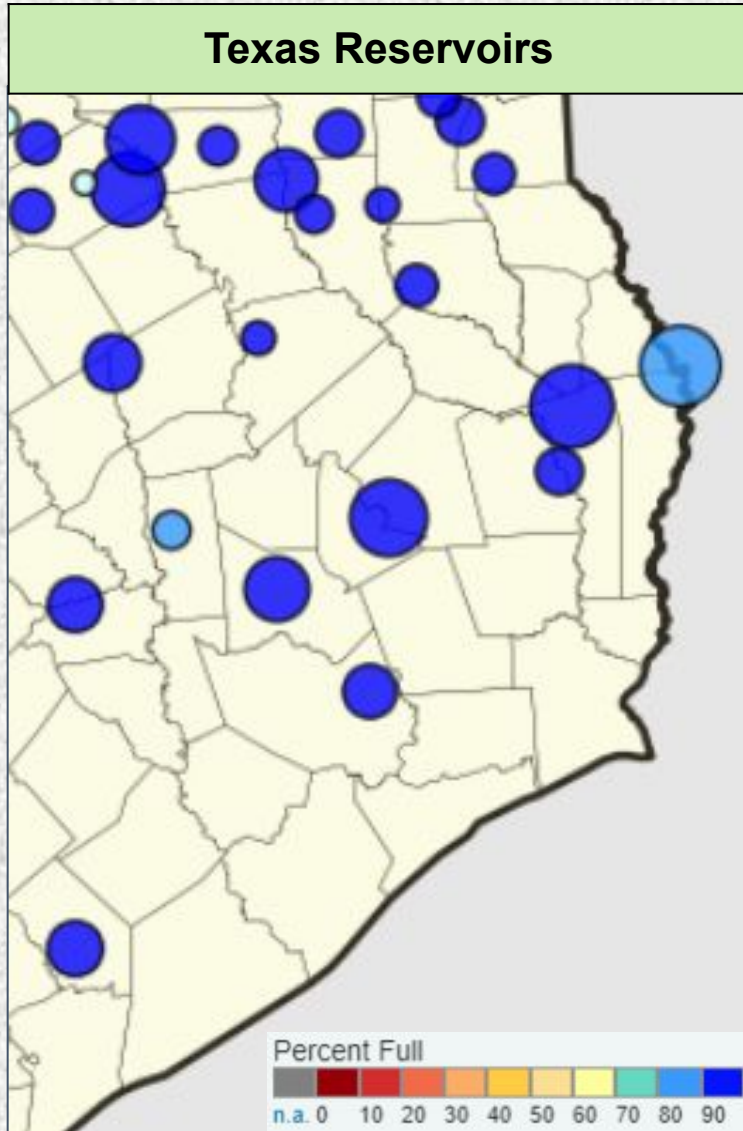


# Soil Moisture Anomaly

Calculated Soil Moisture Anomaly (mm)  
AUG, 2024



# Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	100.0%
Lake Livingston	98.5%
Lake Conroe	98.3%
Lake Houston	100.0%
Gibbons Creek Reservoir	86.6%
Lake Somerville	100.0%
Lake Texana	94.8%

Data added on: September 7, 2024 at 10:00 am CDT

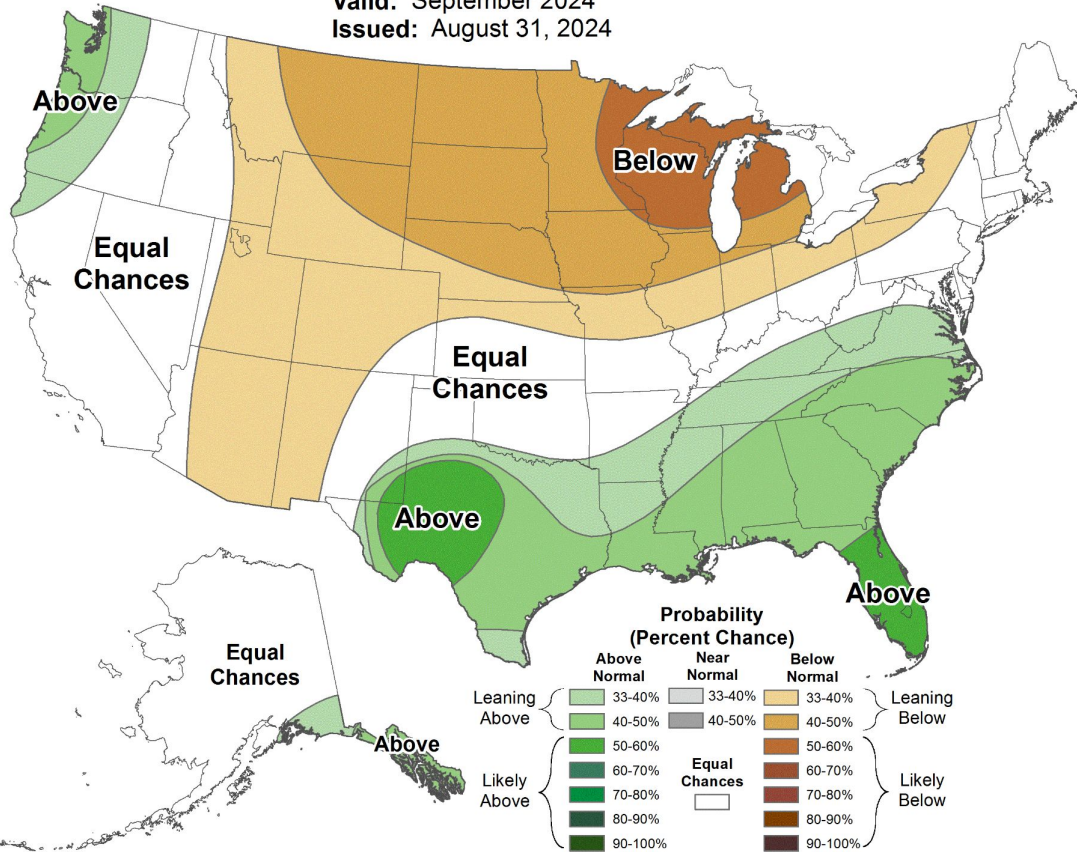
# Precipitation Outlooks



## Monthly Precipitation Outlook



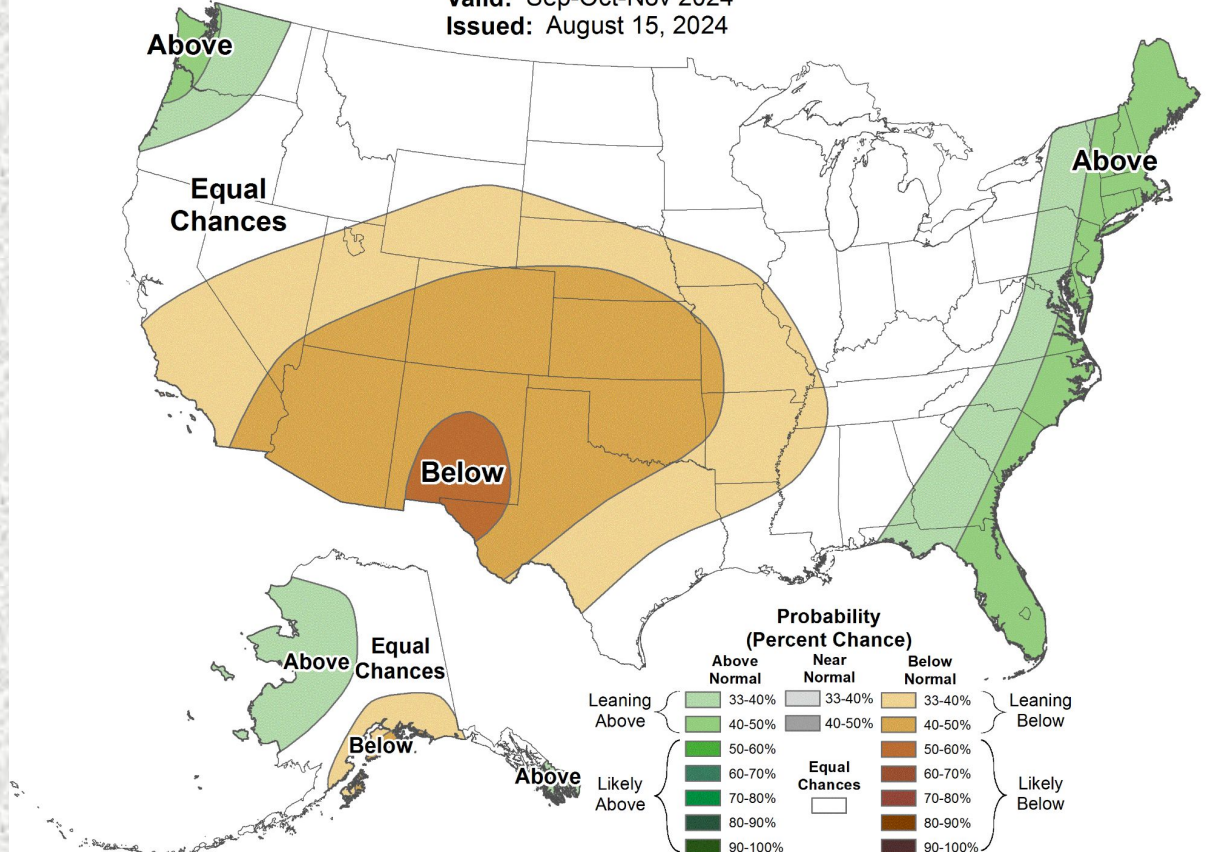
Valid: September 2024  
Issued: August 31, 2024



## Seasonal Precipitation Outlook



Valid: Sep-Oct-Nov 2024  
Issued: August 15, 2024



# Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	0
Flash Flood Warning (FFW)	0
Flash Flood Statement (FFS)	0
Areal Flood Warning	0
River Flood Warnings (FLW)	0
River Flood Statements	1
Flood Advisories (FLS)	0
Probabilistic Hydrologic Outlook (ESF)	6