

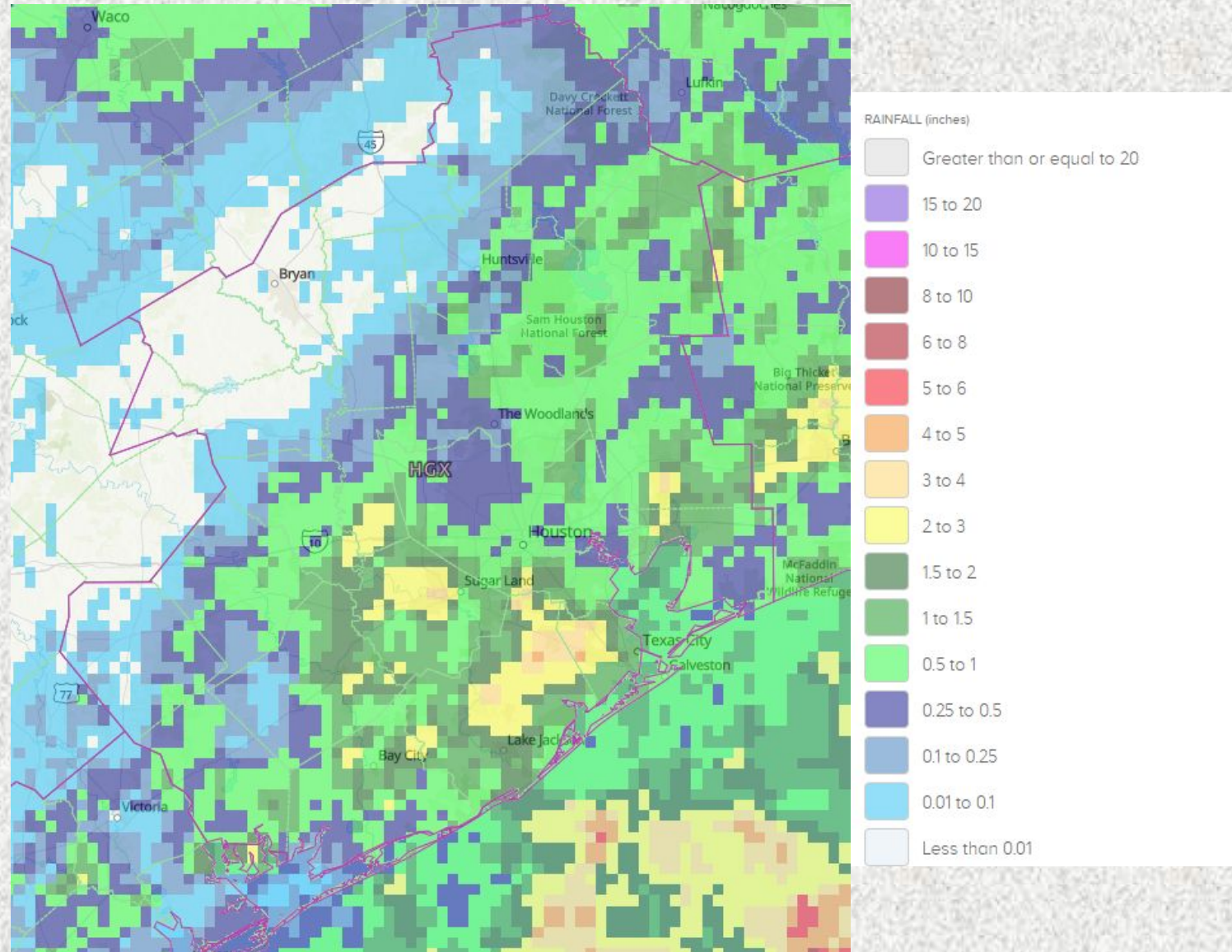
NWS Houston/Galveston Monthly Hydrologic Report October 2024

Produced by: Cameron Batiste

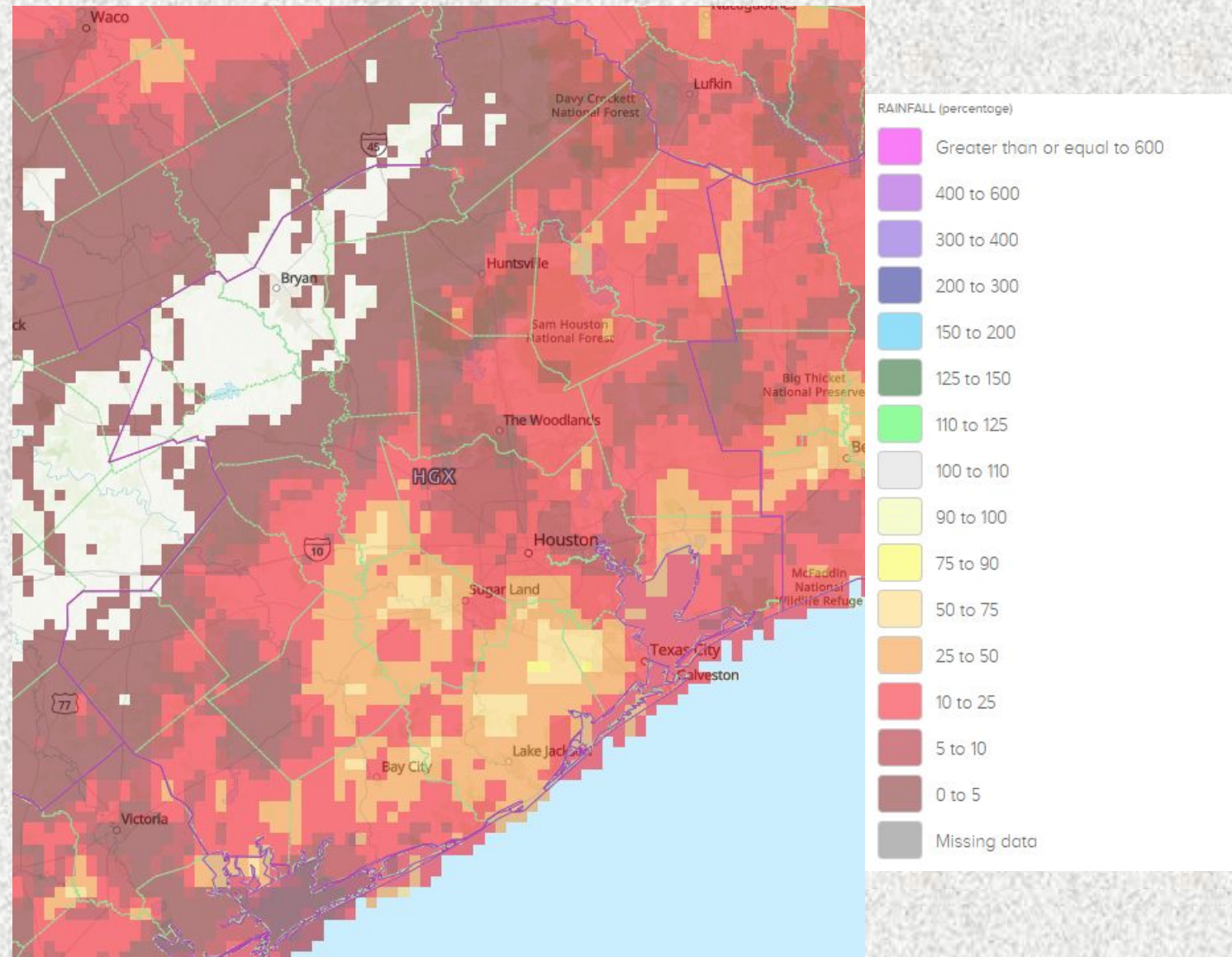
Date: 11/03/2024

Most of the month of October was dry, which led to most of Southeast Texas being added to a severe drought (D2) by the end of the month. Rain finally fell during the last few days of the month for areas outside of the Brazos Valley. College Station tied their record for the driest October on record as they officially recorded 0.00" throughout the month. Both the City of Houston and Galveston saw less than an inch of rain as they recorded 0.32" and 0.52" respectively.

Monthly Precipitation

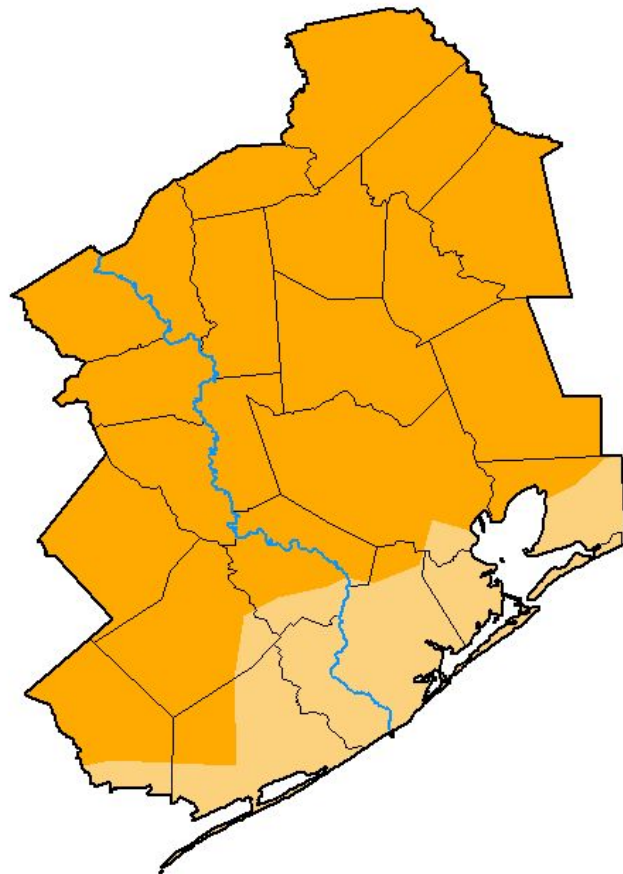


Monthly Percent of Normal Precipitation



U.S. Drought Monitor

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



October 29, 2024

(Released Thursday, Oct. 31, 2024)

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	82.71	0.00	0.00
Last Week 10-22-2024	0.00	100.00	87.79	14.69	0.00	0.00
3 Months Ago 07-30-2024	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-02-2024	26.21	73.79	57.44	11.02	0.00	0.00
Start of Water Year 10-01-2024	10.34	89.66	5.13	0.00	0.00	0.00
One Year Ago 10-31-2023	2.44	97.56	89.31	58.41	11.61	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>

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National Drought Mitigation Center



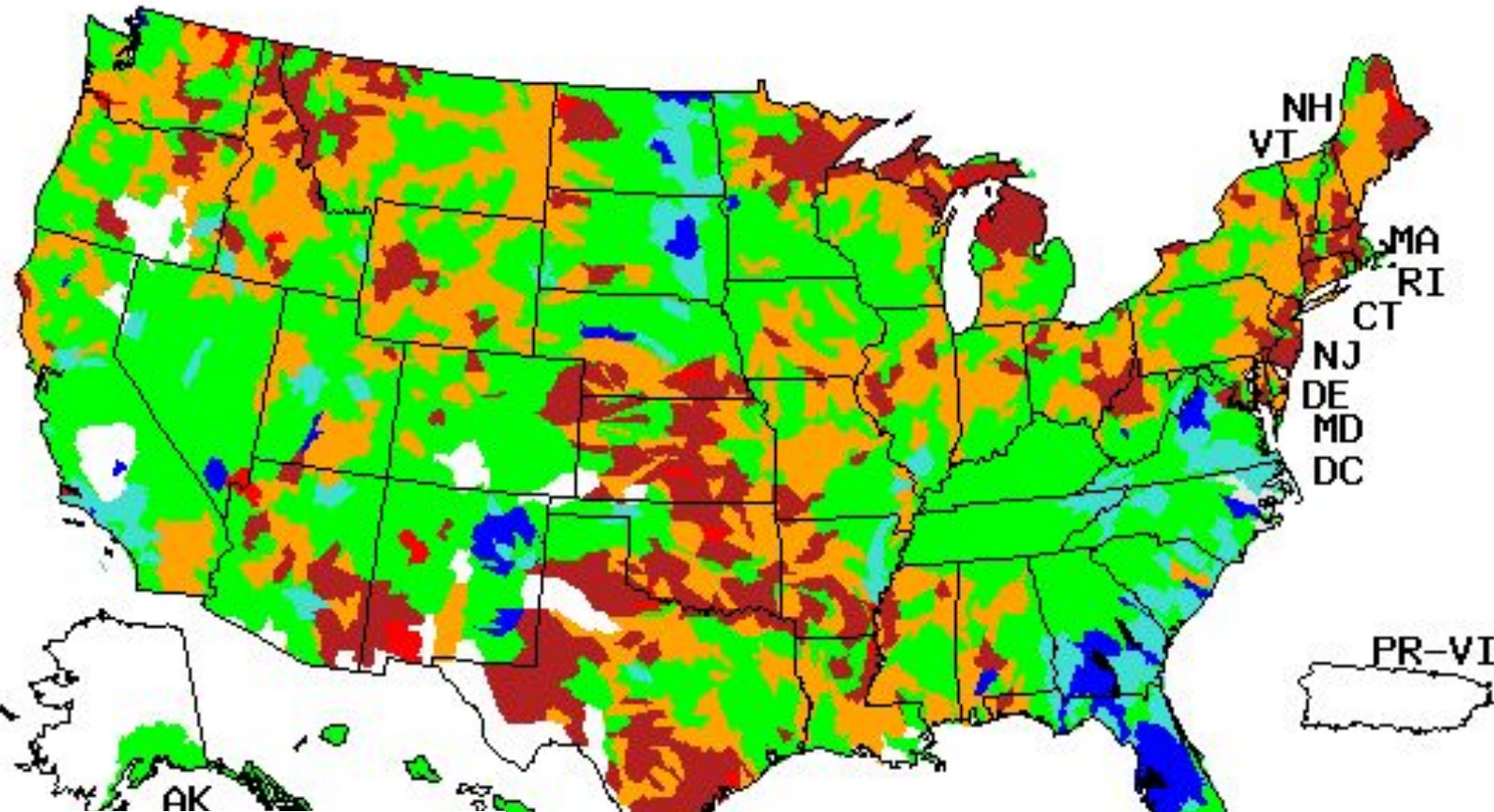
droughtmonitor.unl.edu

River Flooding

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

Monthly Average Streamflow

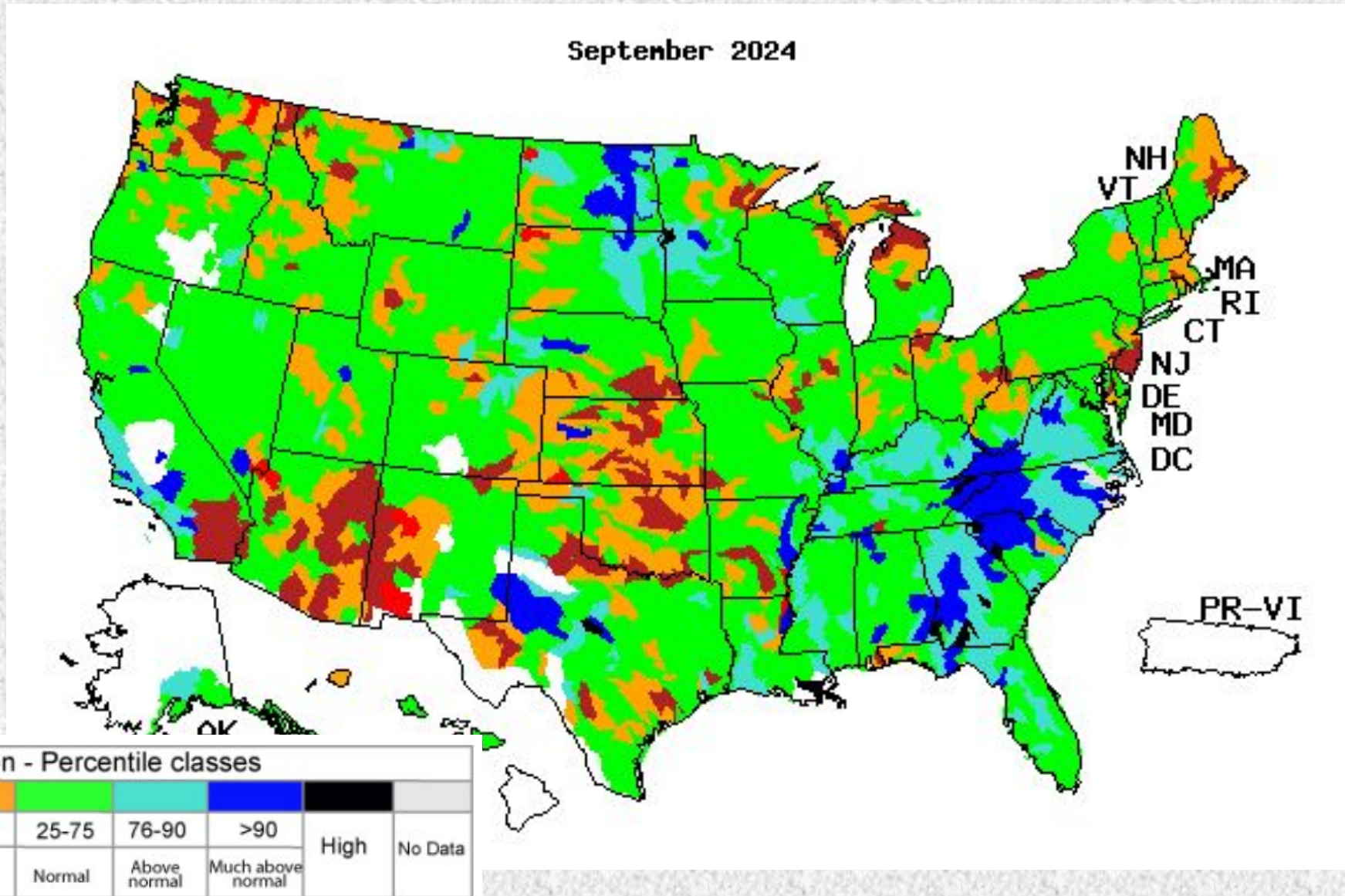
October 2024



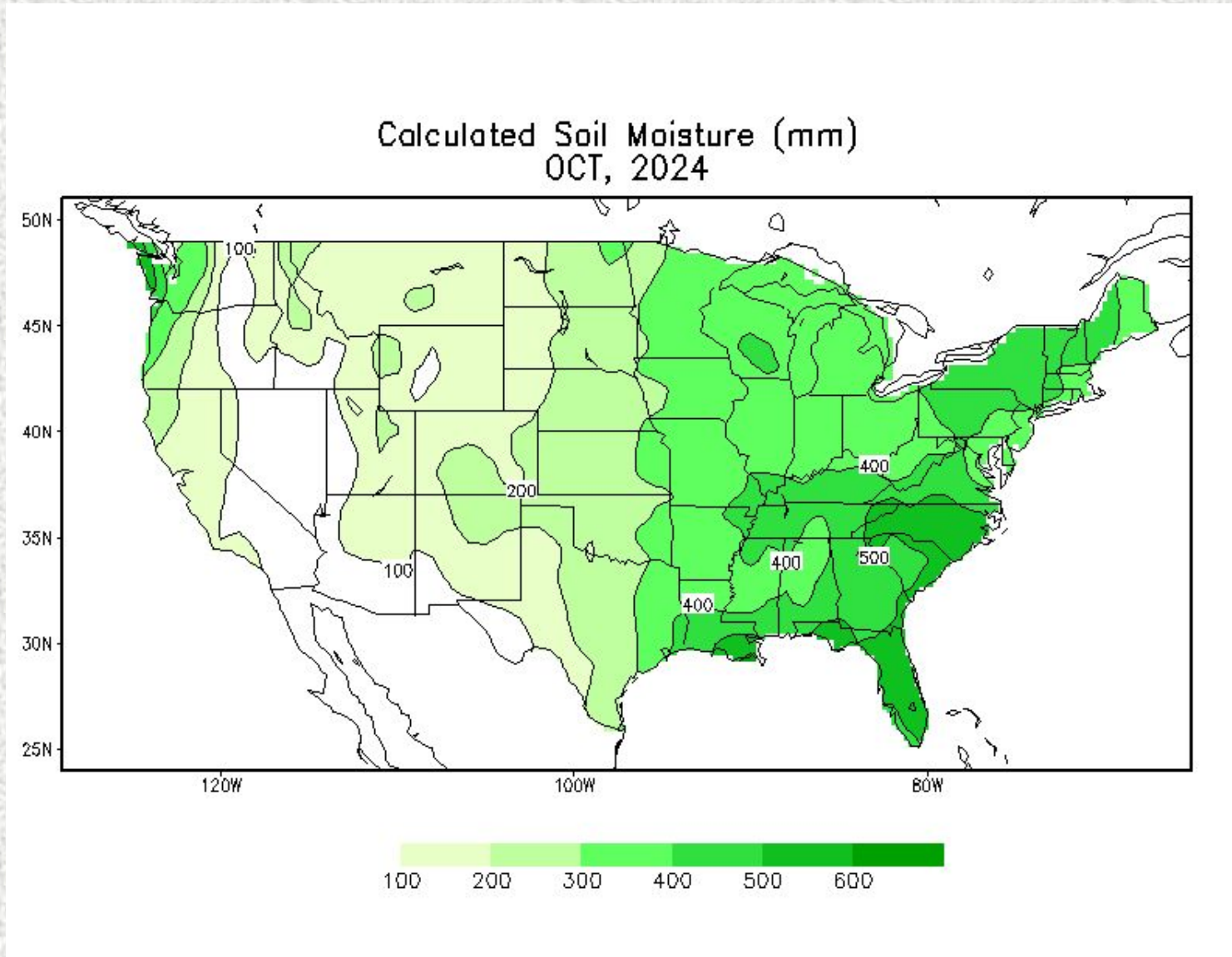
Explanation - Percentile classes

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

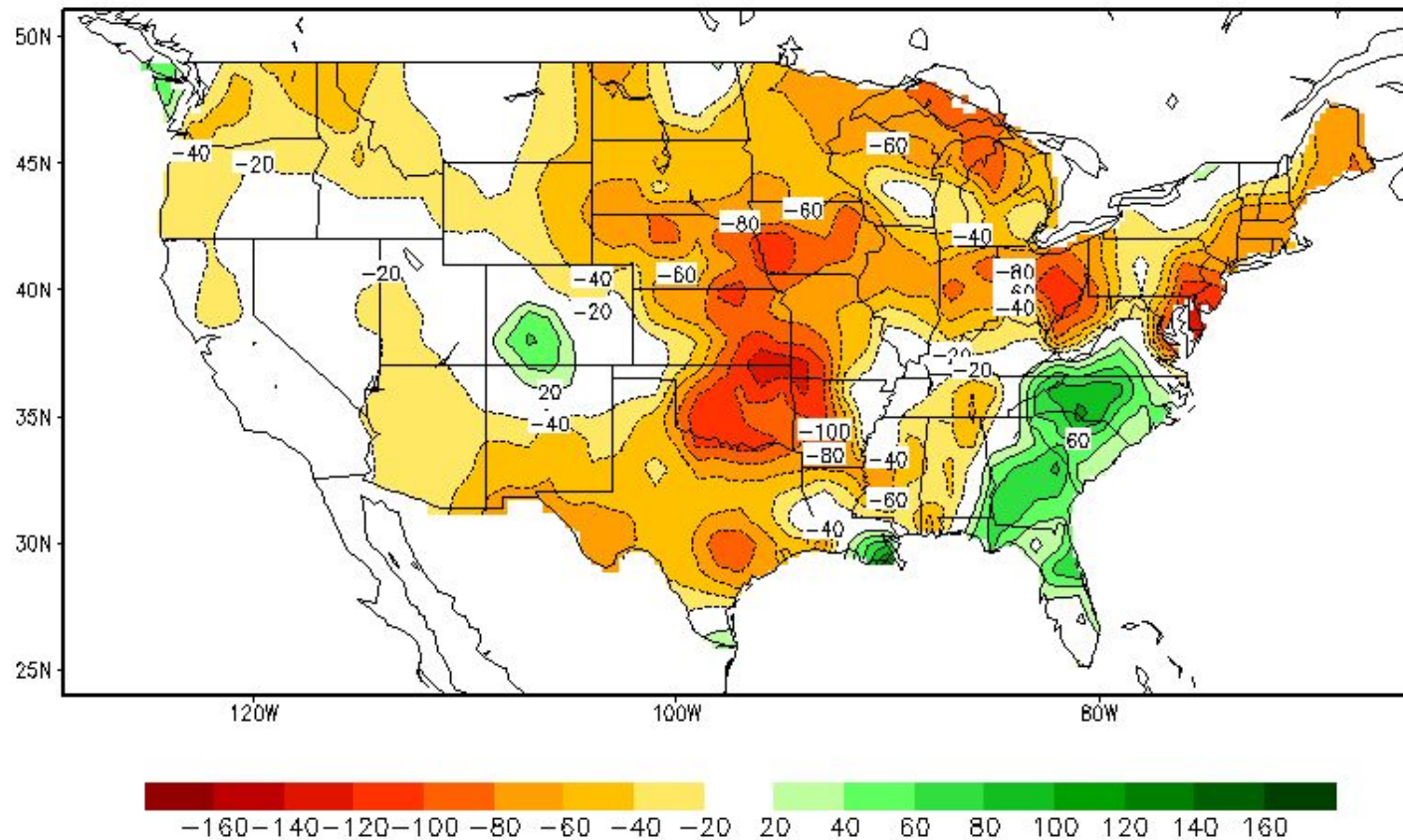


Soil Moisture

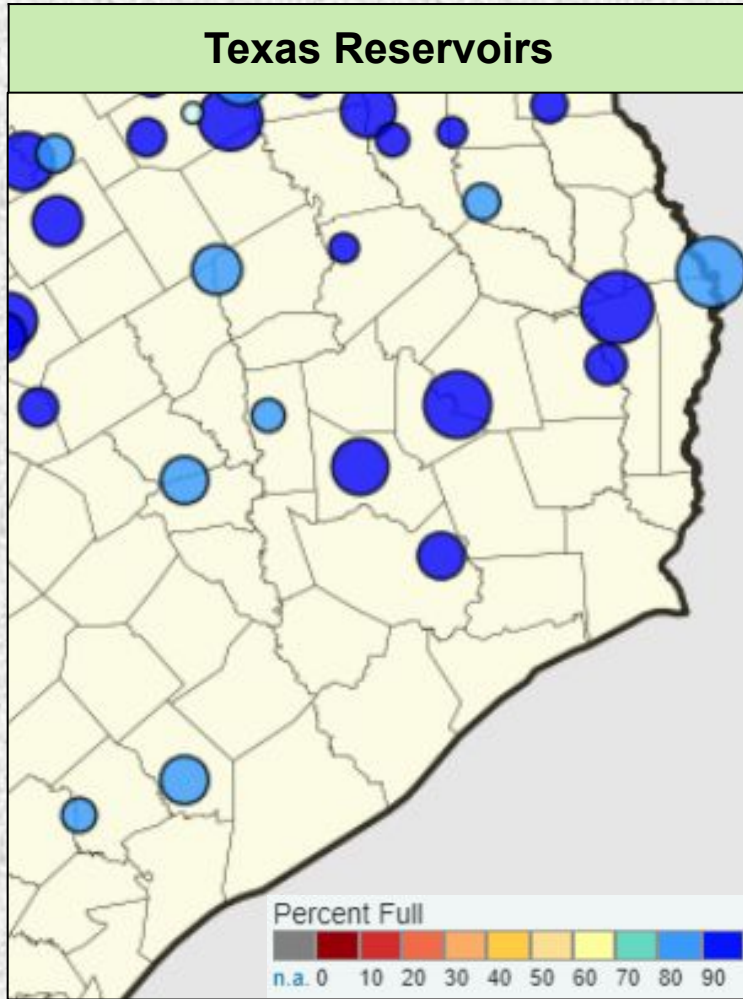


Soil Moisture Anomaly

Calculated Soil Moisture Anomaly (mm)
OCT, 2024



Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	97.5%
Lake Livingston	90.9%
Lake Conroe	93.4%
Lake Houston	99.9%
Gibbons Creek Reservoir	80.1%
Lake Somerville	85.4%
Lake Texana	80.7%

Data added on: November 3, 2024 at 1:45 am CDT

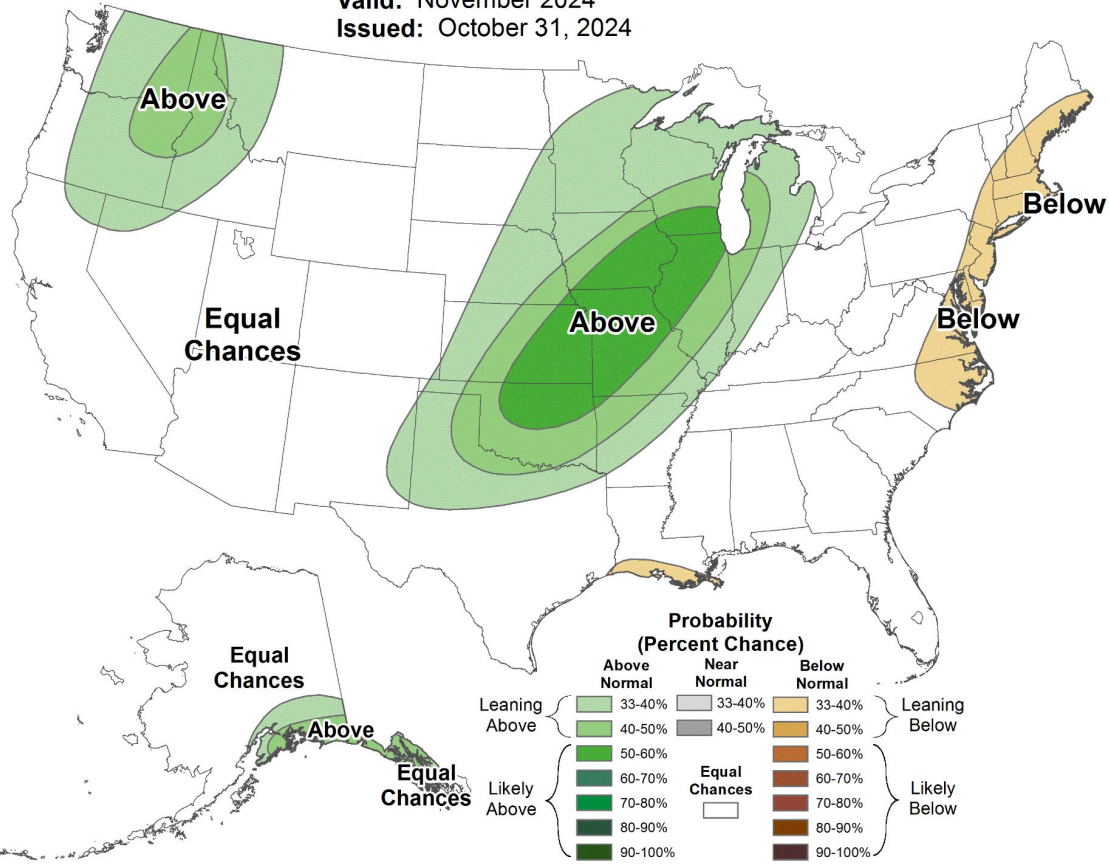
Precipitation Outlooks



Monthly Precipitation Outlook



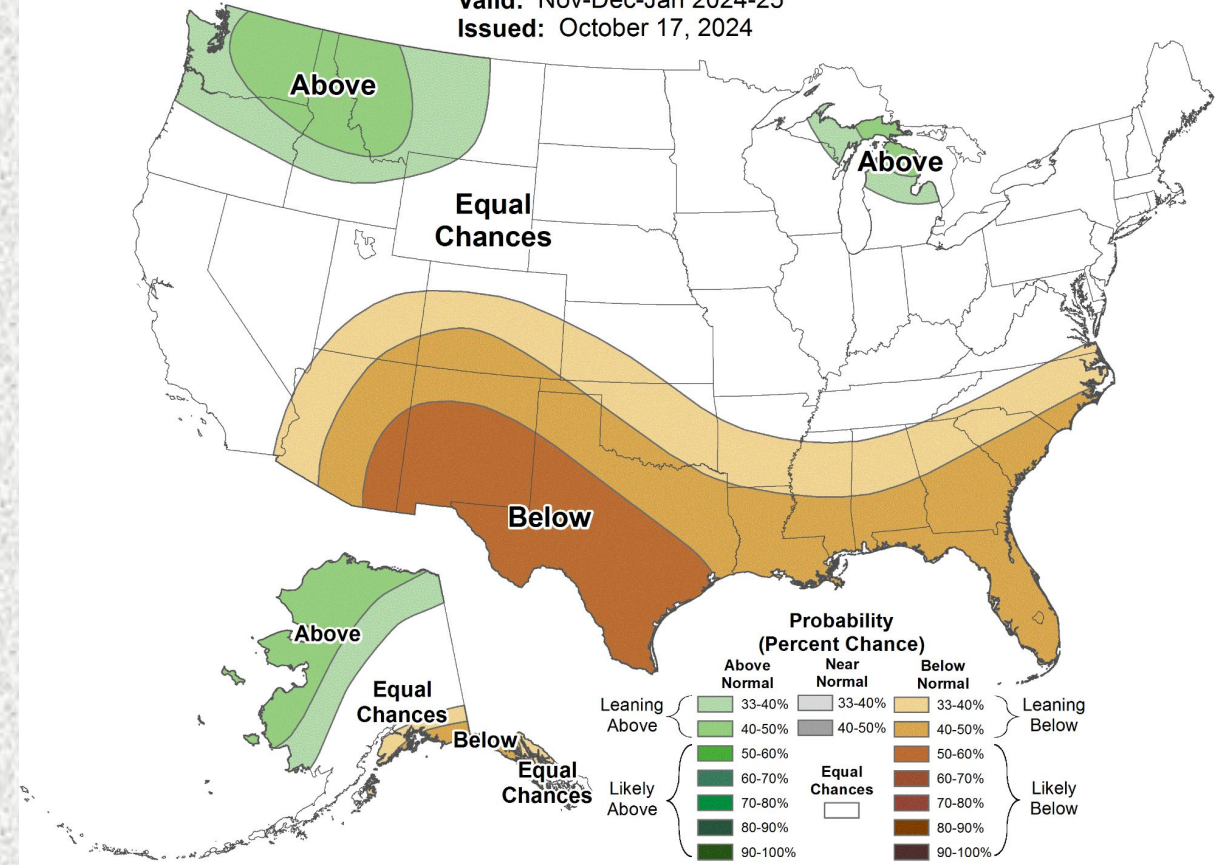
Valid: November 2024
Issued: October 31, 2024



Seasonal Precipitation Outlook



Valid: Nov-Dec-Jan 2024-25
Issued: October 17, 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	0
Flood Advisories (FLS)	5 (ETN: 157-161)
Probabilistic Hydrologic Outlook (ESF)	6