

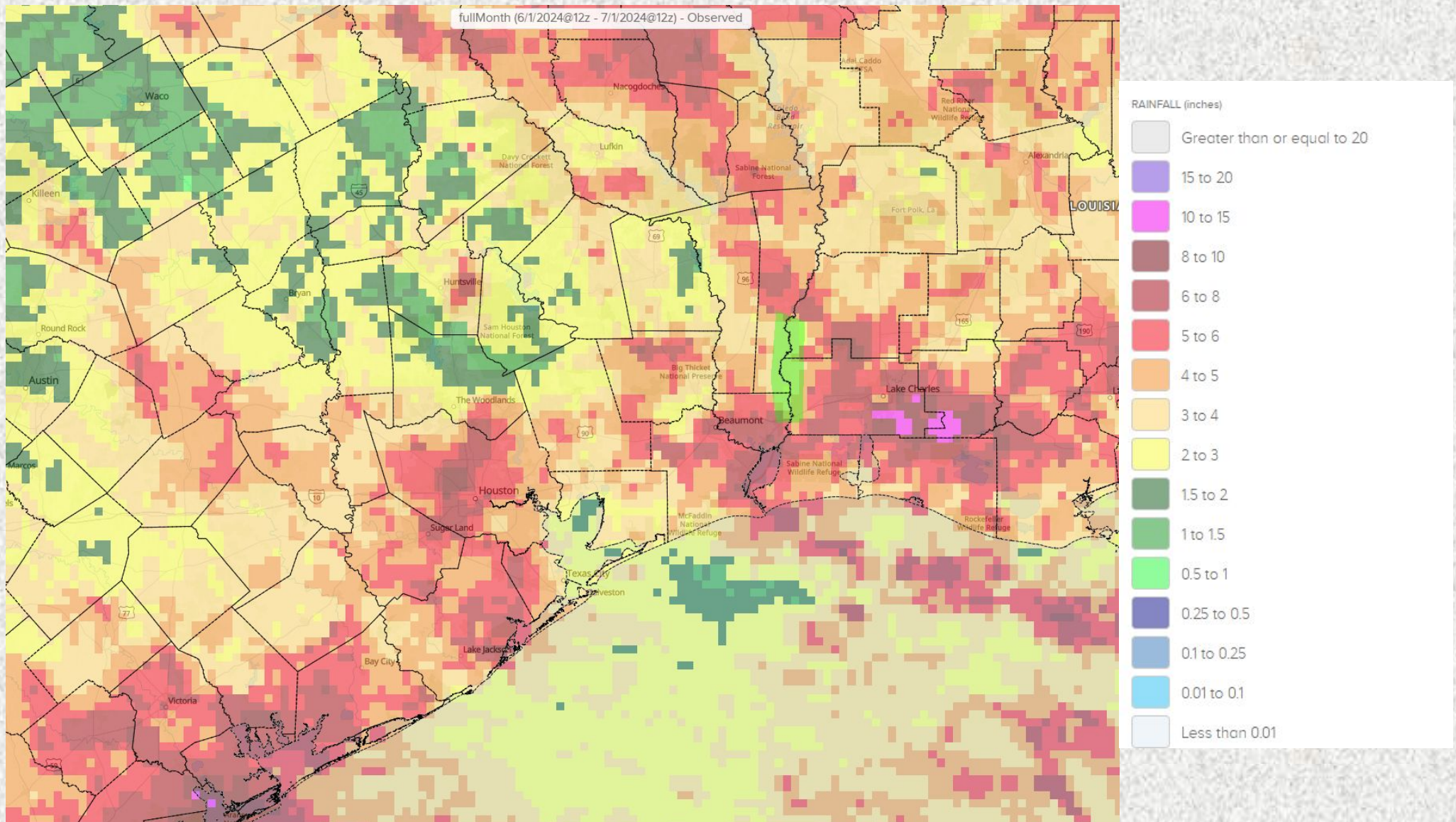
NWS Houston/Galveston Monthly Hydrologic Report June 2024

Produced by: Cameron Batiste

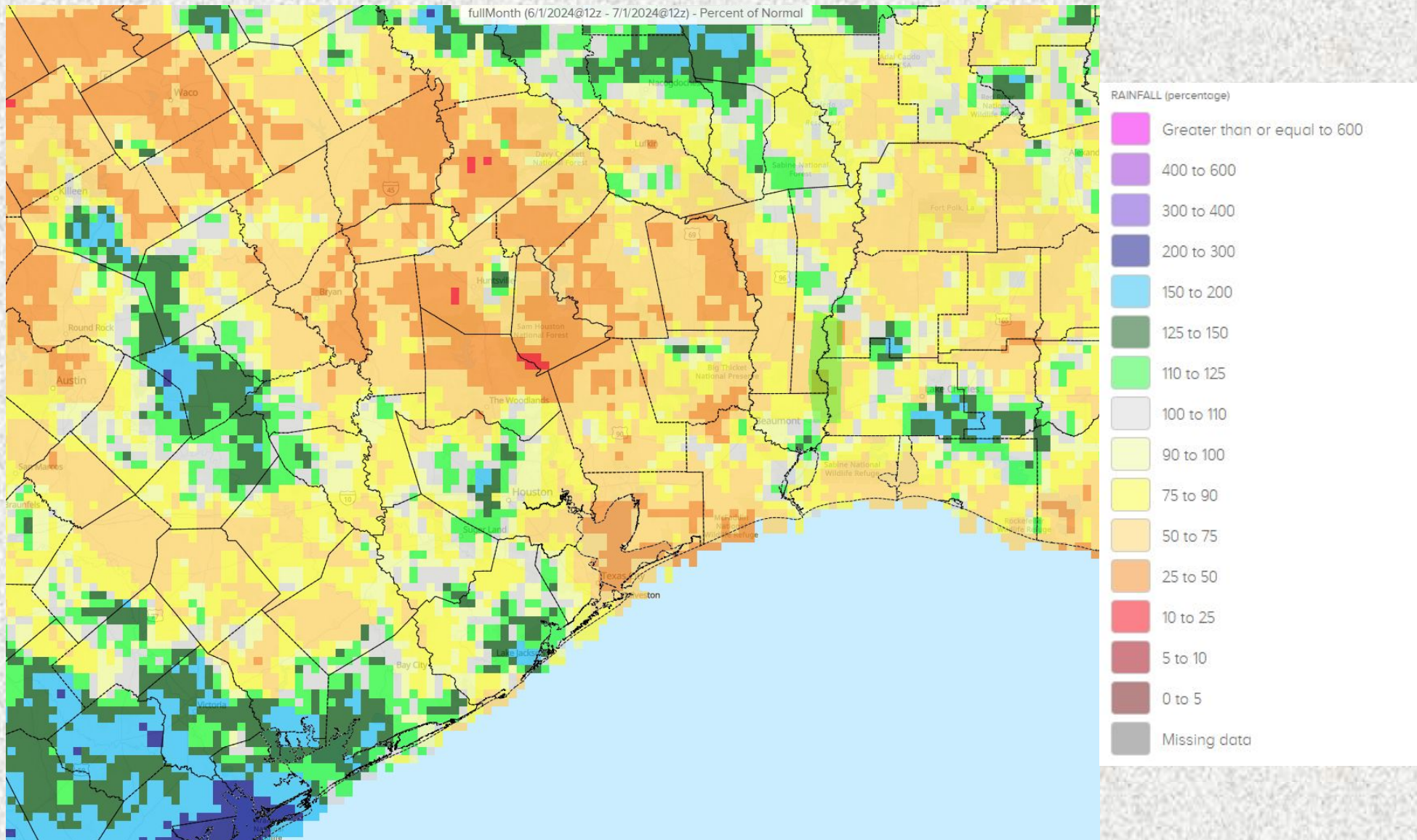
Date: 07/05/2024

Additional rounds of rainfall throughout the month contributed to the continuing river flooding mainly along the Trinity River throughout the month of June. There are currently no areas of drought within Southeast Texas.

Monthly Precipitation

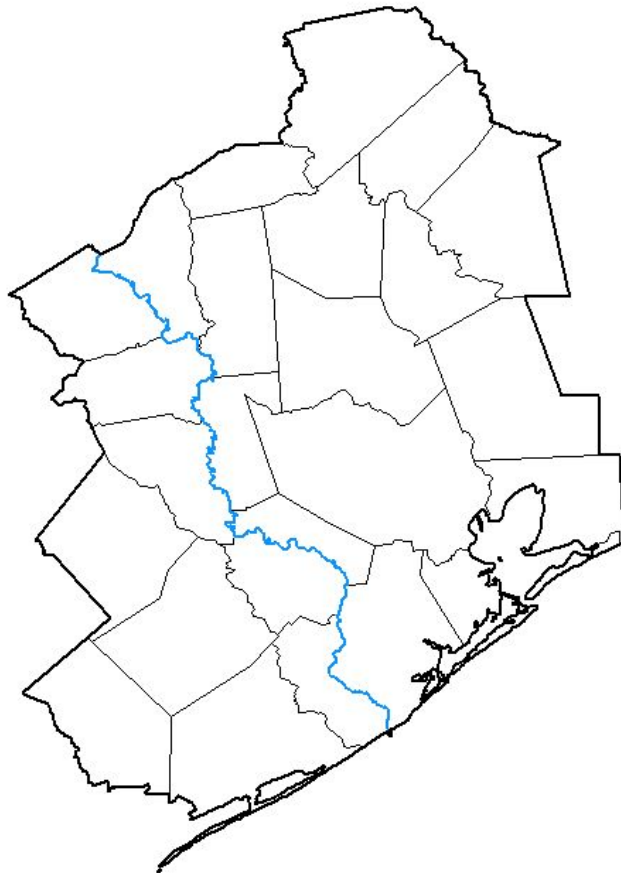


Monthly Percent of Normal Precipitation



U.S. Drought Monitor

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



June 25, 2024
(Released Thursday, Jun. 27, 2024)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.00	0.00	0.00	0.00	0.00	0.00
Last Week 06-18-2024	98.77	1.23	0.00	0.00	0.00	0.00
3 Months Ago 03-26-2024	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 09-26-2023	0.00	100.00	100.00	100.00	99.98	55.82
One Year Ago 06-27-2023	54.29	45.71	0.00	0.00	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>

Author:

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NOAA/NWS/NCEP/CPC



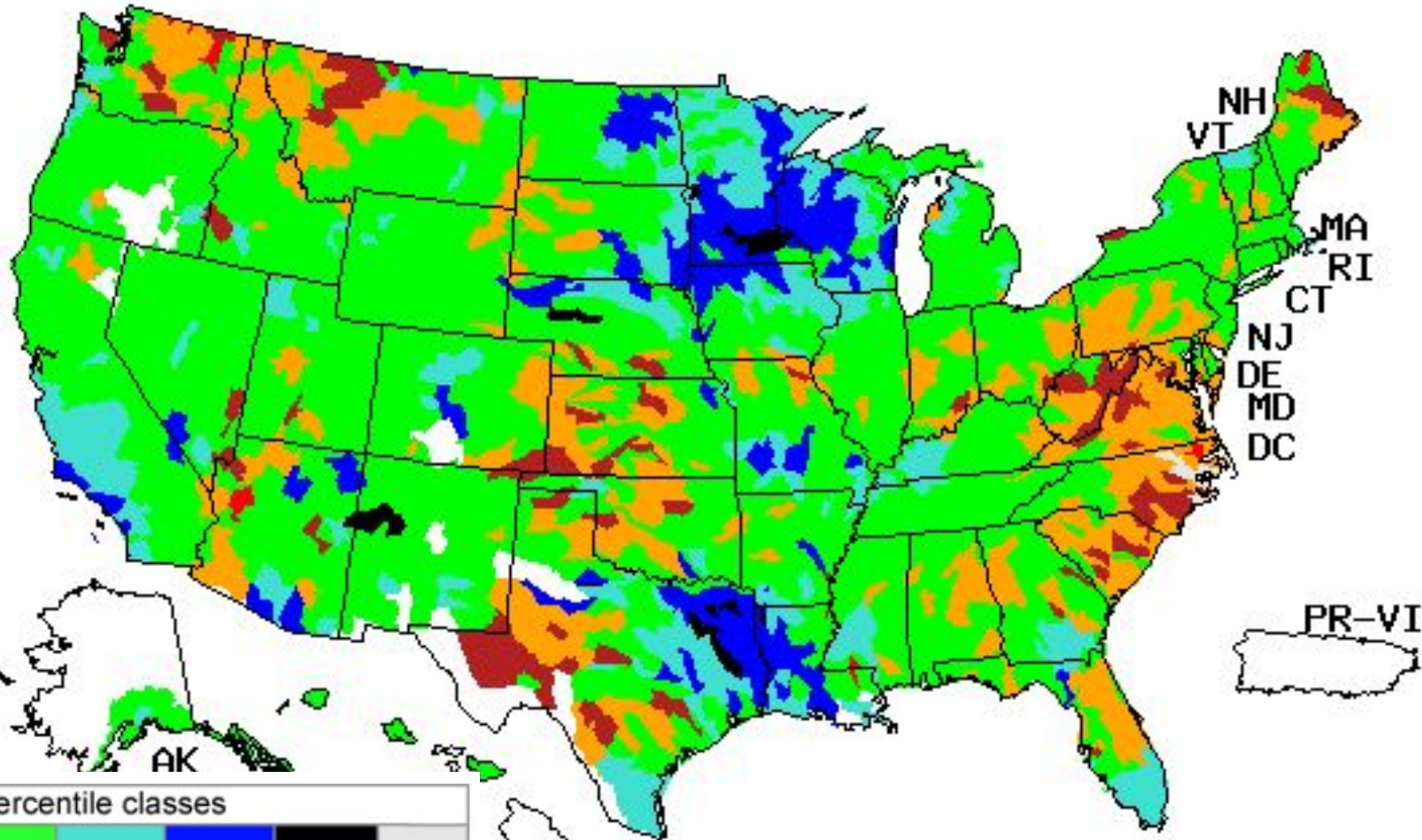
droughtmonitor.unl.edu

River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
Navasota River at Normangee (NGET2)	15.0	19.51	06/02 20:45Z
Trinity River at Crockett (CRKT2)	41.0	45.78	06/11 08:15Z
Trinity River at Liberty (LBYT2)	26.0	28.88	06/21 14:45Z
Trinity River at Moss Bluff (MBFT2)	12.2	18.72	05/10 04:15Z
Trinity River at Riverside (RVRT2)	133.5	137.59	06/15 17:15Z

Monthly Average Streamflow

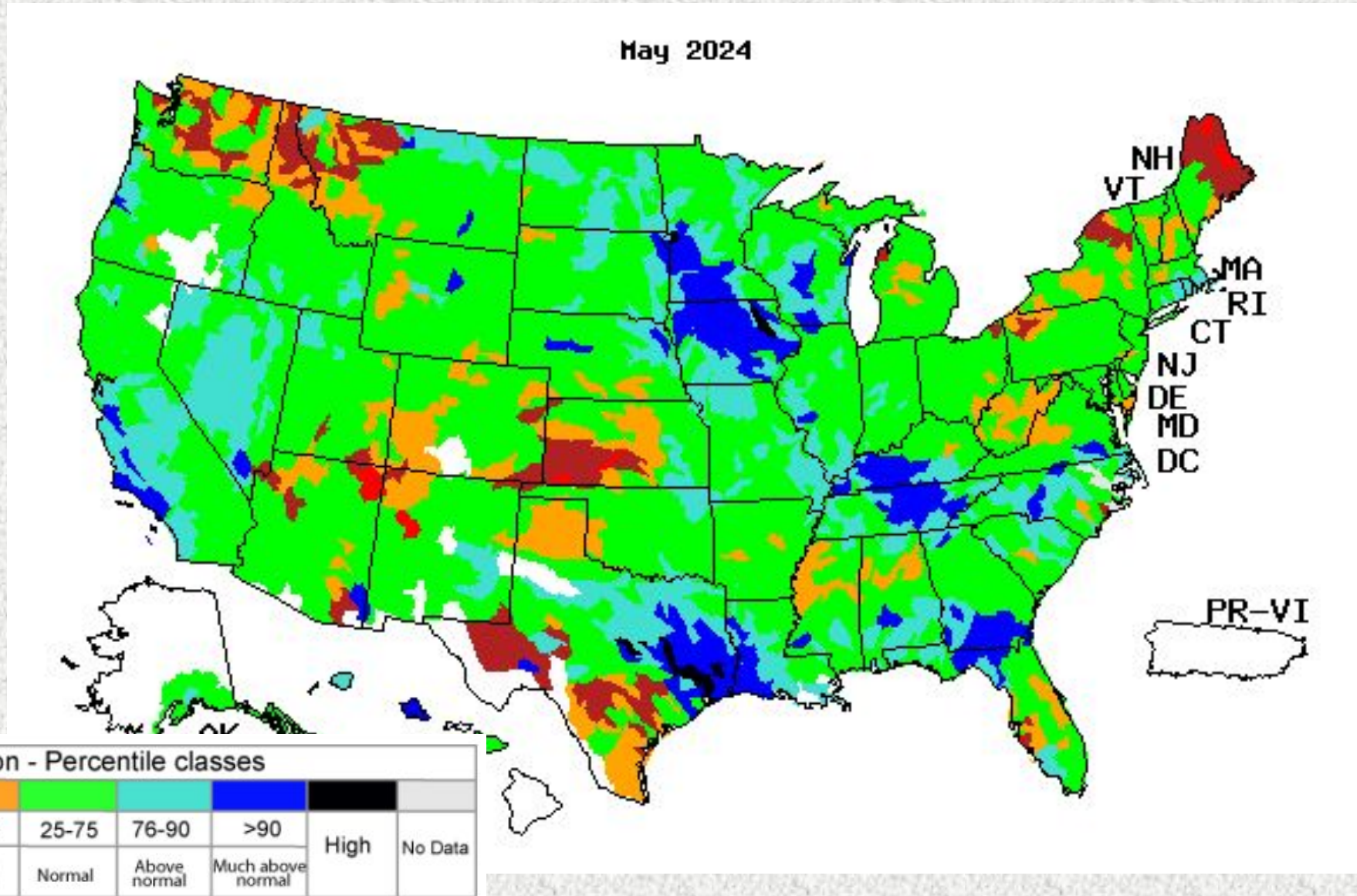
June 2024



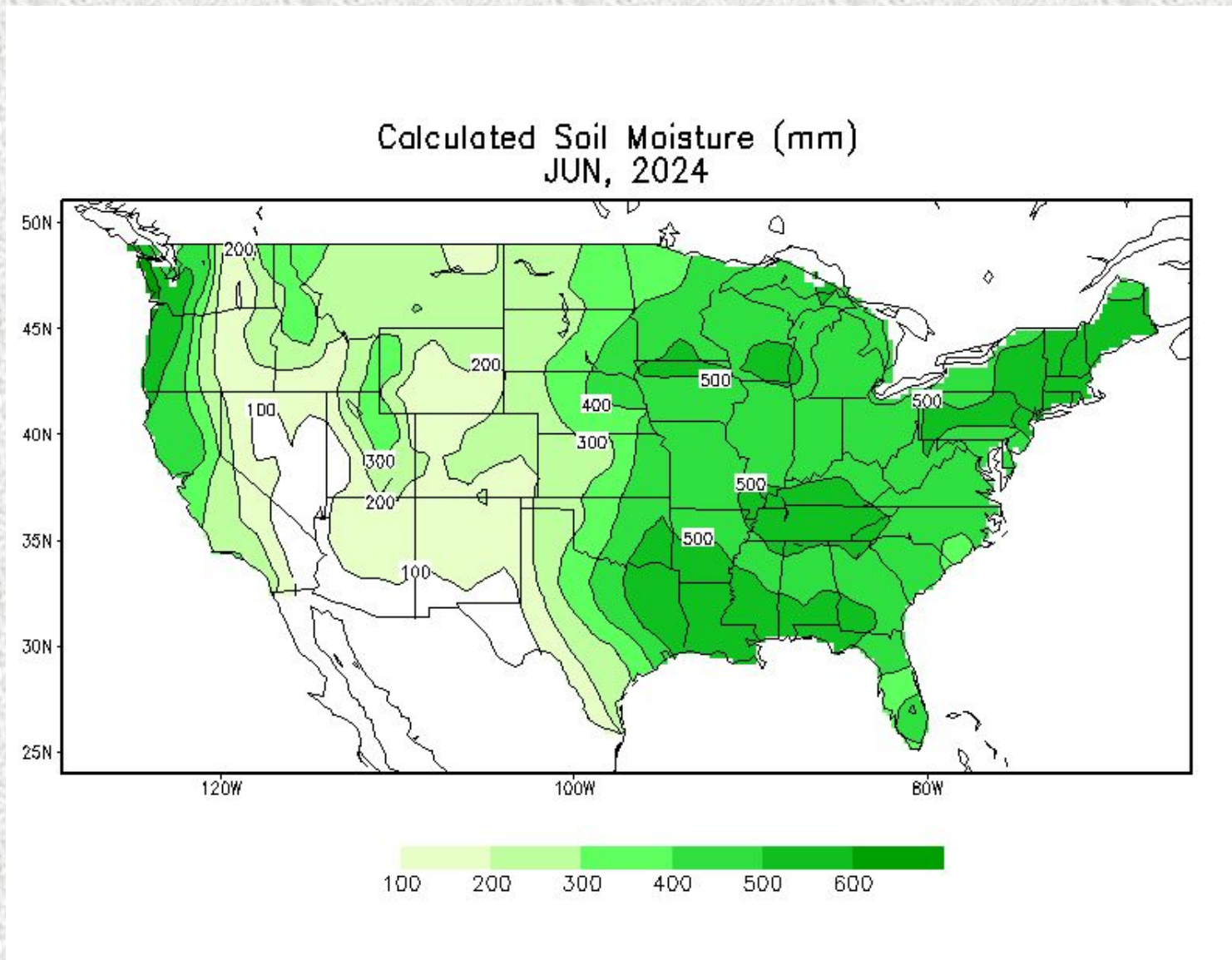
Explanation - Percentile classes

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

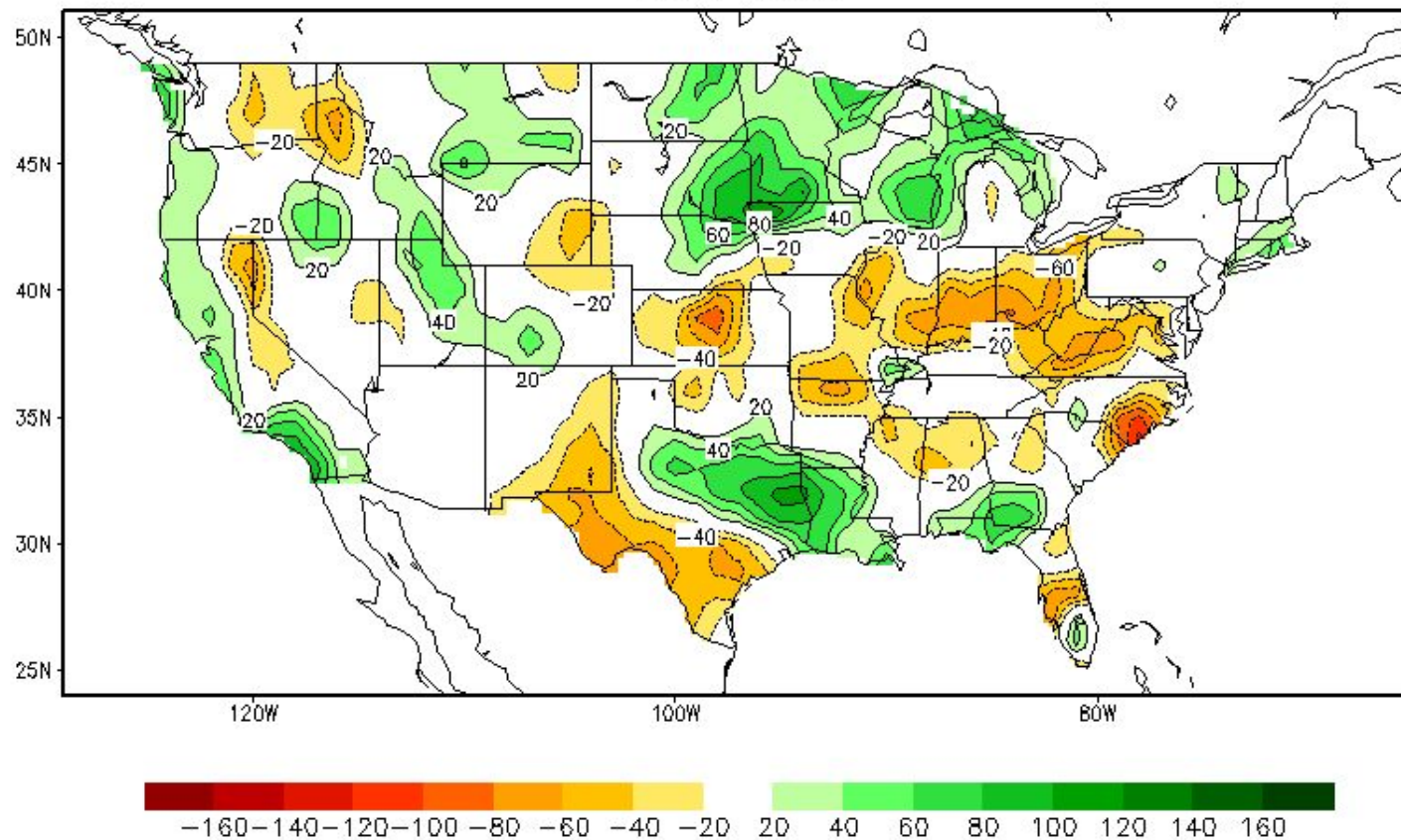


Soil Moisture

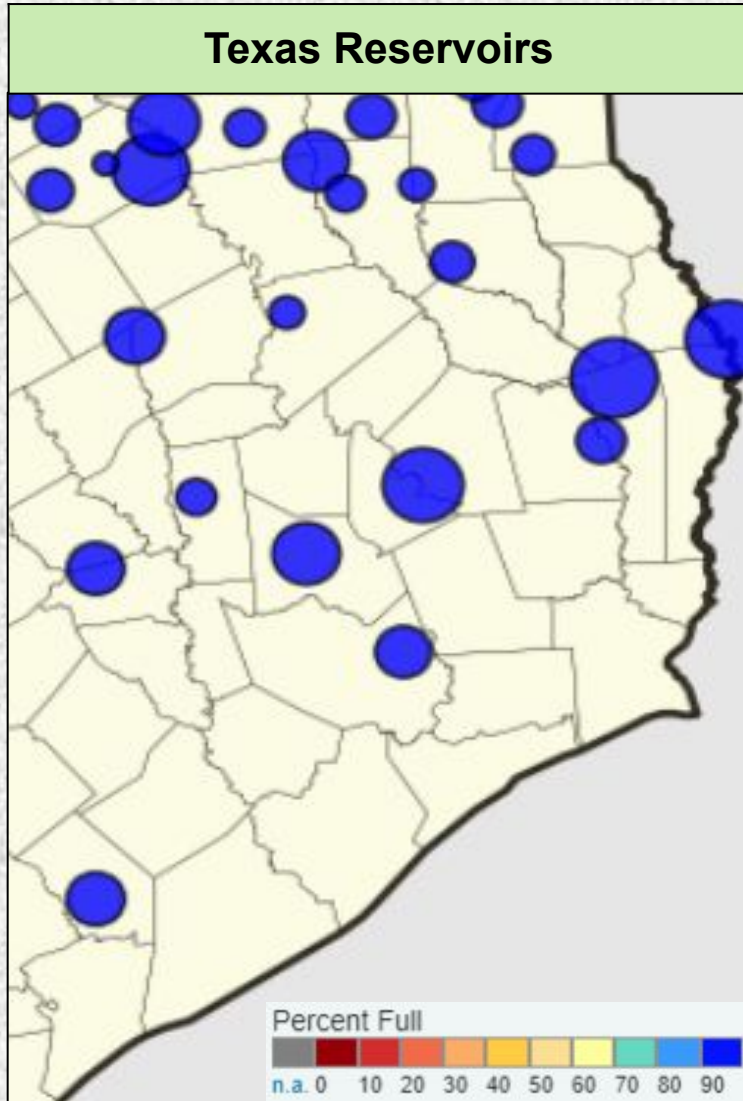


Soil Moisture Anomaly

Calculated Soil Moisture Anomaly (mm)
JUN, 2024



Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	100.0%
Lake Livingston	100.0%
Lake Conroe	96.6%
Lake Houston	100.0%
Gibbons Creek Reservoir	94.4%
Lake Somerville	100.0%
Lake Texana	94.3%

Data added on: July 5, 2024 at 4:00 am CDT

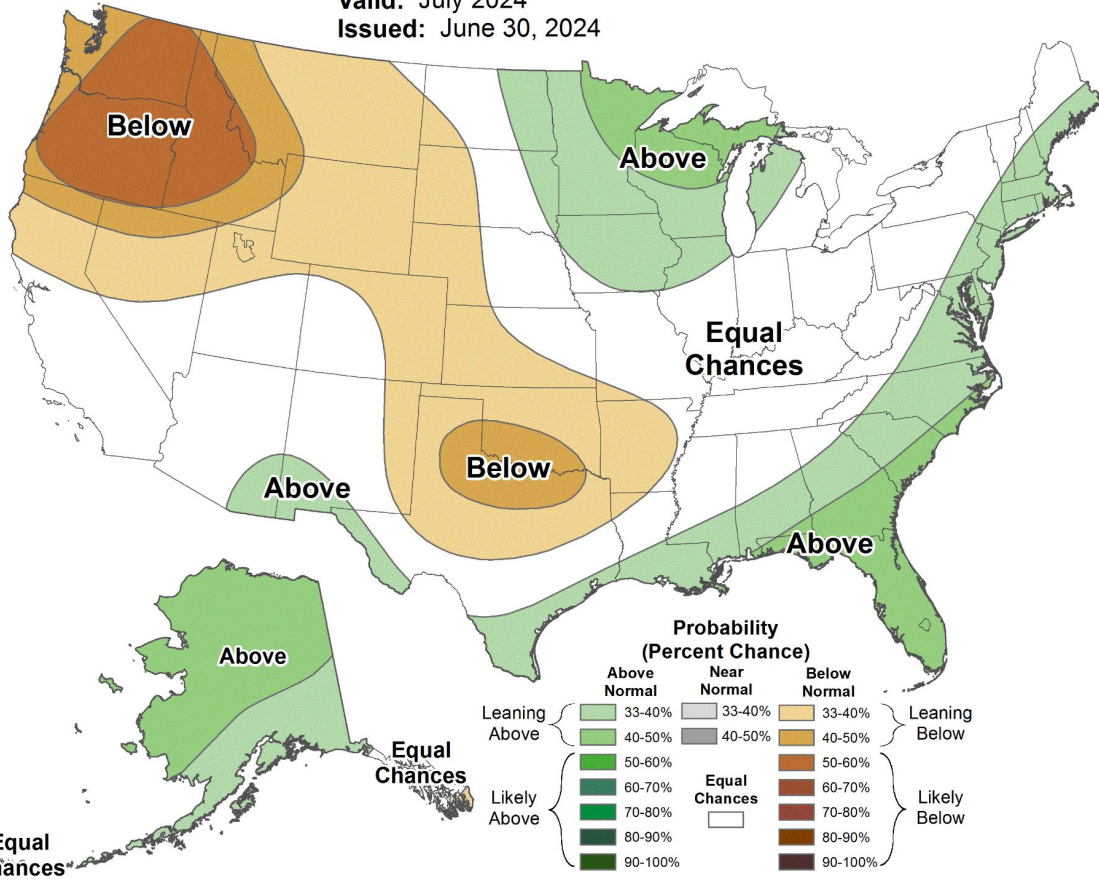
Precipitation Outlooks



Monthly Precipitation Outlook



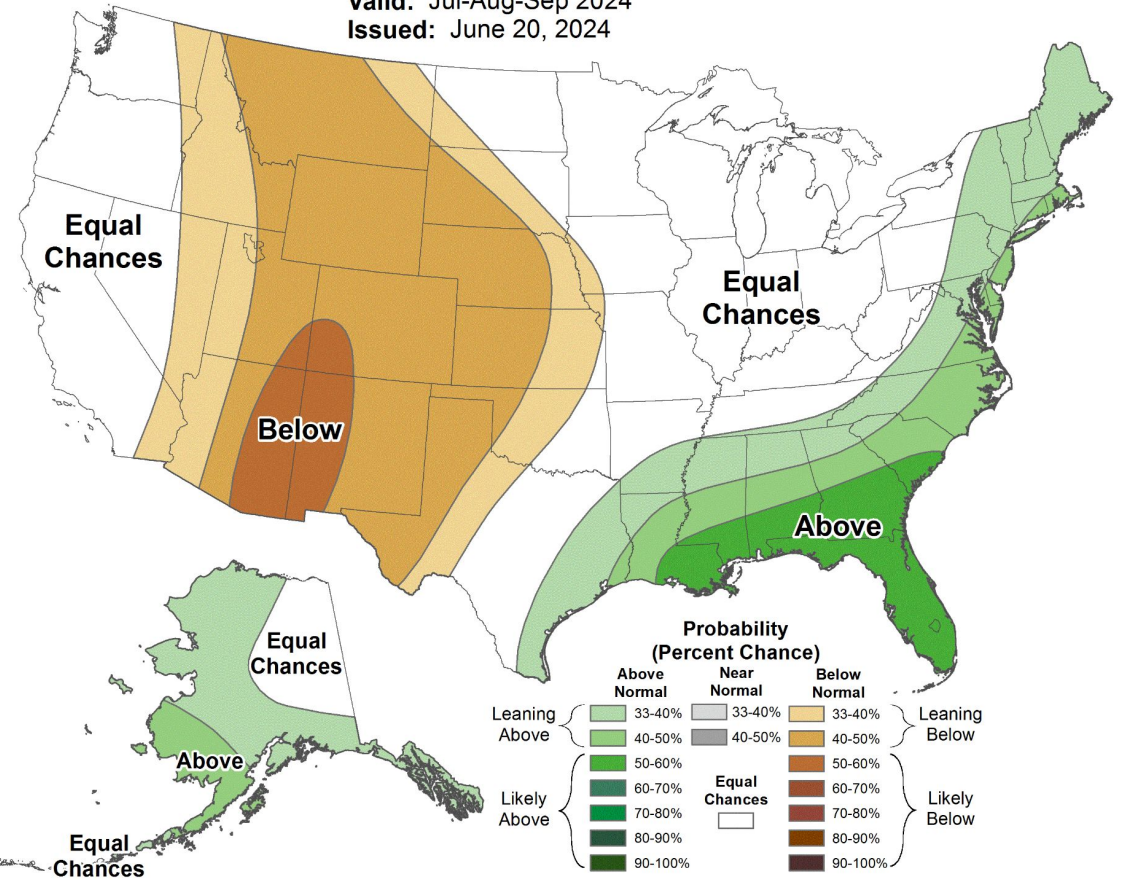
Valid: July 2024
Issued: June 30, 2024



Seasonal Precipitation Outlook



Valid: Jul-Aug-Sep 2024
Issued: June 20, 2024



Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	1 (ETN: 007)
Flash Flood Warning (FFW)	2 (ETN: 048-049)
Flash Flood Statement (FFS)	1
Areal Flood Warning	0
River Flood Warnings (FLW)	2 (ETN: 108-109)
River Flood Statements	91
Flood Advisories (FLS)	12 (ETN: 075-086)
Probabilistic Hydrologic Outlook (ESF)	6