

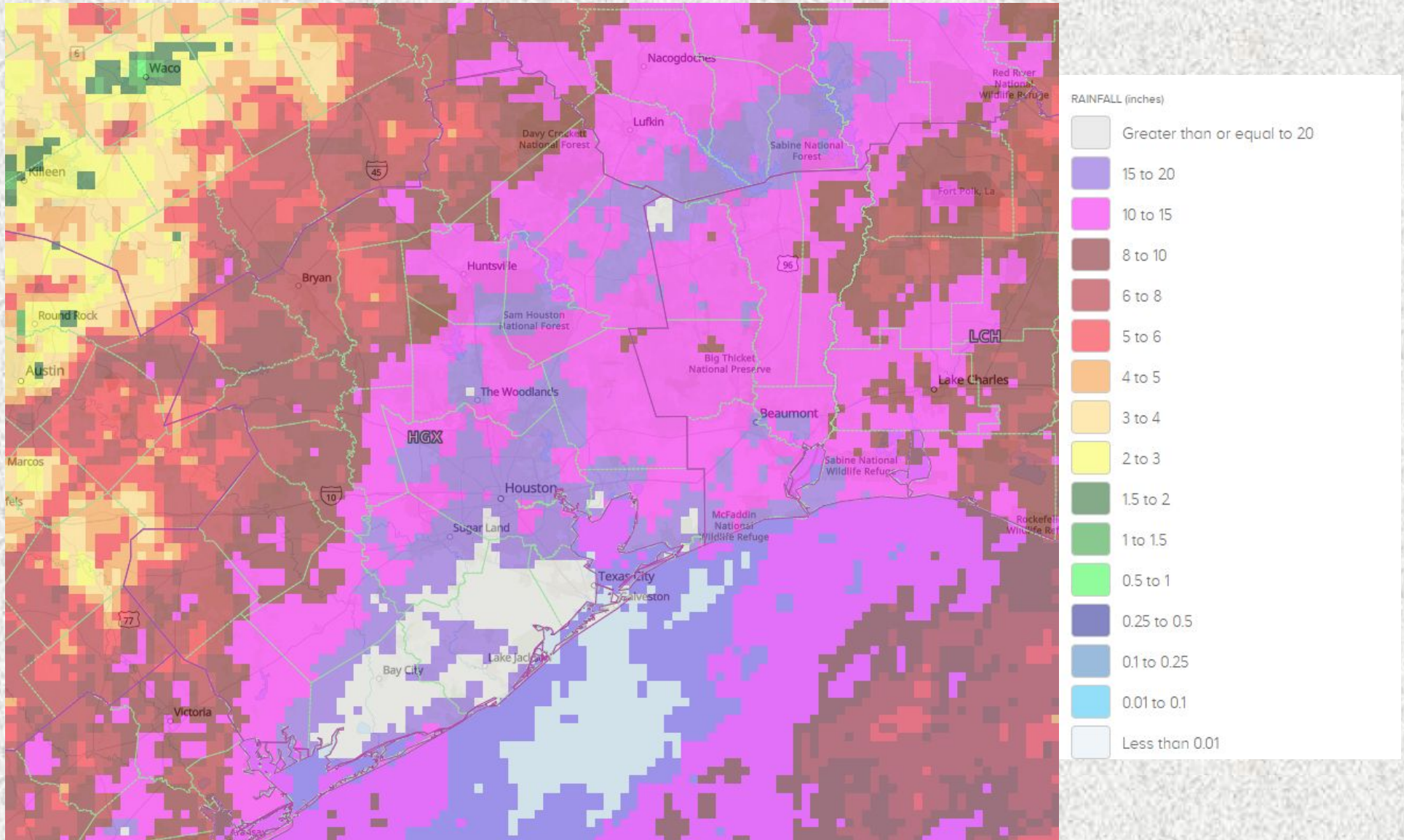
NWS Houston/Galveston Monthly Hydrologic Report July 2024

Produced by: Cameron Batiste

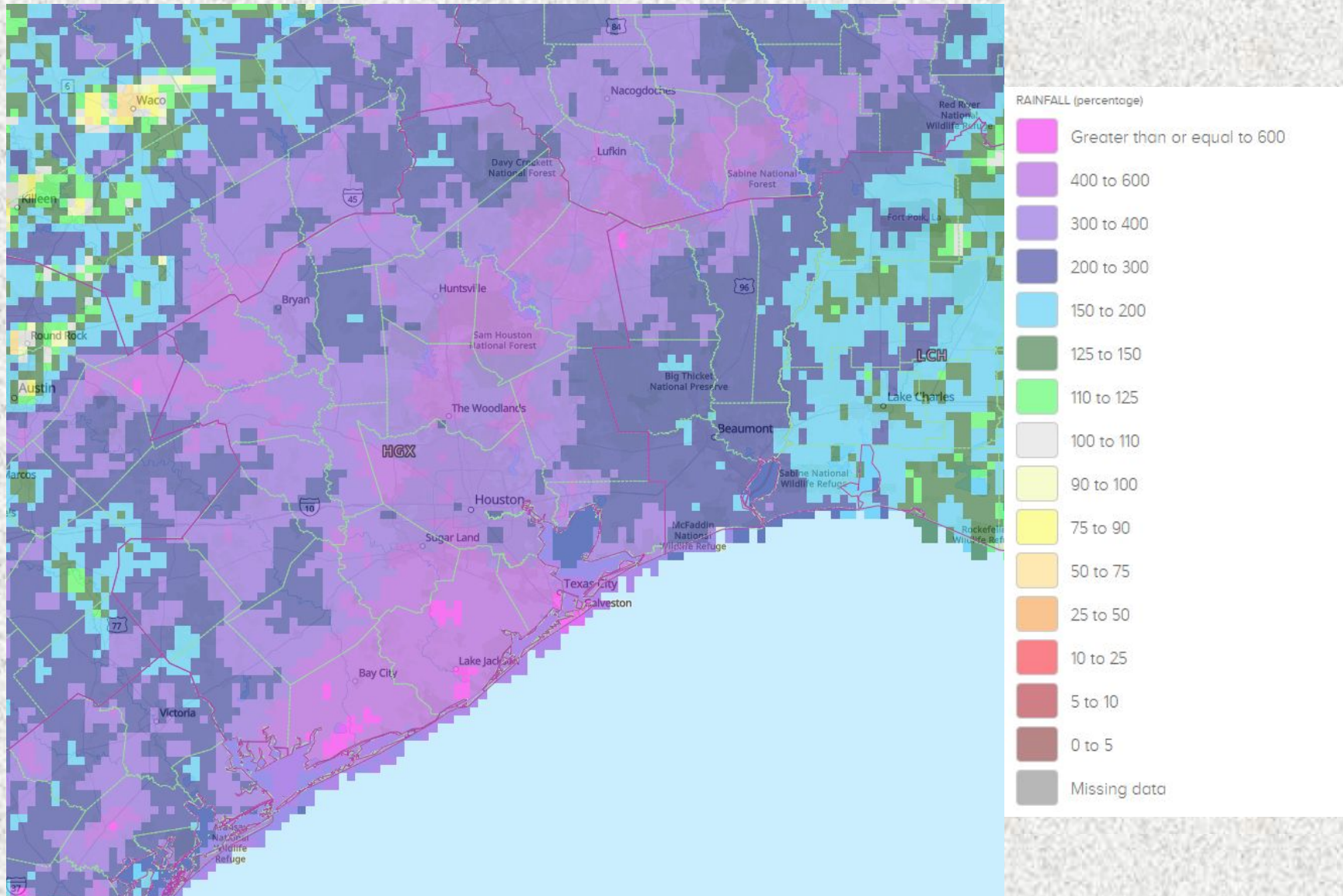
Date: 08/03/2024

The month of July will be mainly remembered for Hurricane Bery, which made landfall as a strong category 1 hurricane near the city of Matagorda, TX earlier this month and dropped widespread heavy rainfall leading to flooding along numerous rivers/creeks/bayous. At the end of July, a multiday heavy rainfall event lead to another round of flooding as grounds became more and more saturated with additional rainfall occurring.

Monthly Precipitation

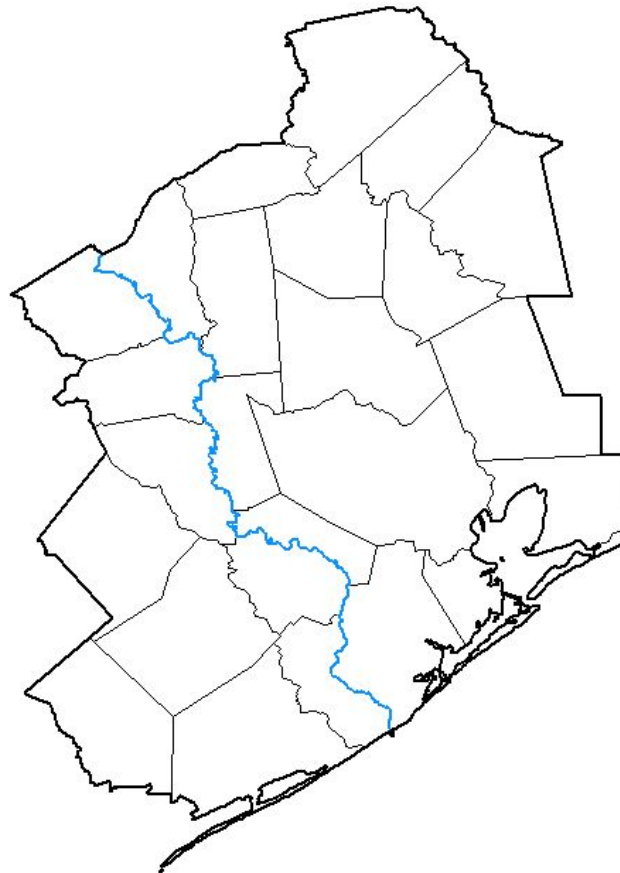


Monthly Percent of Normal Precipitation



U.S. Drought Monitor

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



July 30, 2024

(Released Thursday, Aug. 1, 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 <i>07-23-2024</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>04-30-2024</i>	98.50	1.50	0.00	0.00	0.00	0.00
Start of Calendar Year <i>01-02-2024</i>	26.21	73.79	57.44	11.02	0.00	0.00
Start of Water Year <i>09-26-2023</i>	0.00	100.00	100.00	100.00	99.98	55.82
One Year Ago <i>08-01-2023</i>	0.00	100.00	48.80	11.02	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:

Lindsay Johnson
National Drought Mitigation Center



droughtmonitor.unl.edu

River Flooding

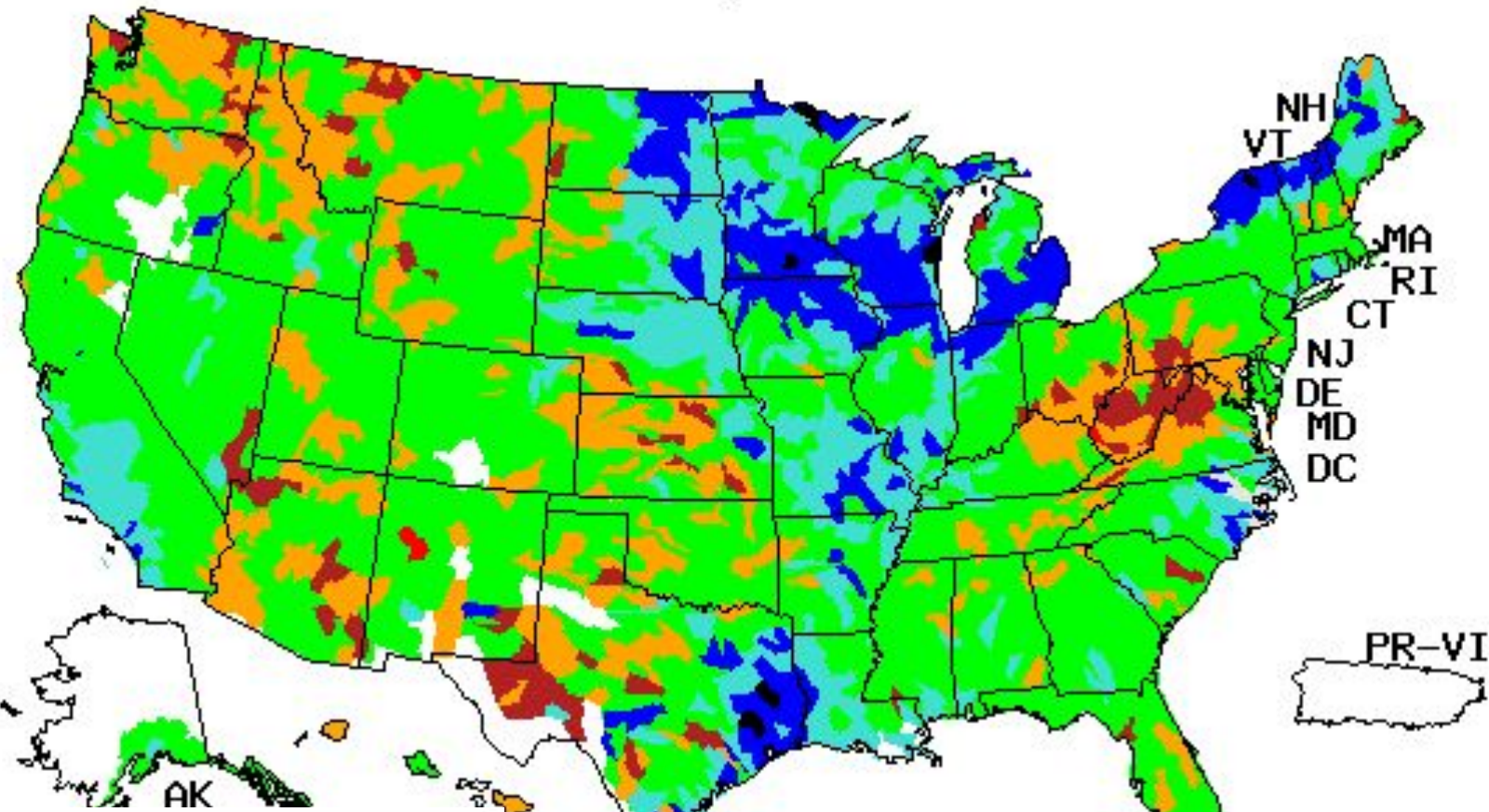
River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
San Bernard River near Boling (BOLT2)	18.0	20.15	07/09 14:15Z
		20.72	07/21 04:45Z
		20.74	07/29 00:45Z
San Bernard River near East Bernard (EBBT2)	17.0	17.22	07/09 22:00Z
San Bernard River near Old Ocean (OCNT2)	7.0	10.12	07/08 14:15Z
		12.74	07/29 14:45Z
Caney Creek near Splendora (SDAT2)	17.0	18.94	07/25 14:30Z
East Fork San Jacinto River near New Caney (NCET2)	58.0	59.56	07/12 19:45Z
West Fork San Jacinto River near Humble (HMMT2)	49.3	51.04	07/09 03:45Z
		49.59	07/25 00:15Z
Tres Palacios River near Midfield (MTPT2)	24.0	29.39	07/09 11:30Z
		28.01	07/28 19:15Z

River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
Long King Creek near Livingston (LIVT2)	19.0	19.34	07/24 03:00Z
		23.20	07/27 02:30Z
Menard Creek near Rye (RYET2)	20.0	23.21	07/28 04:45Z
Trinity River at Moss Bluff (MBFT2)	12.2	14.15	07/30 11:15Z
Trinity River at Riverside (RVRT2)	133.5	133.95	07/26 18:30Z

Monthly Average Streamflow

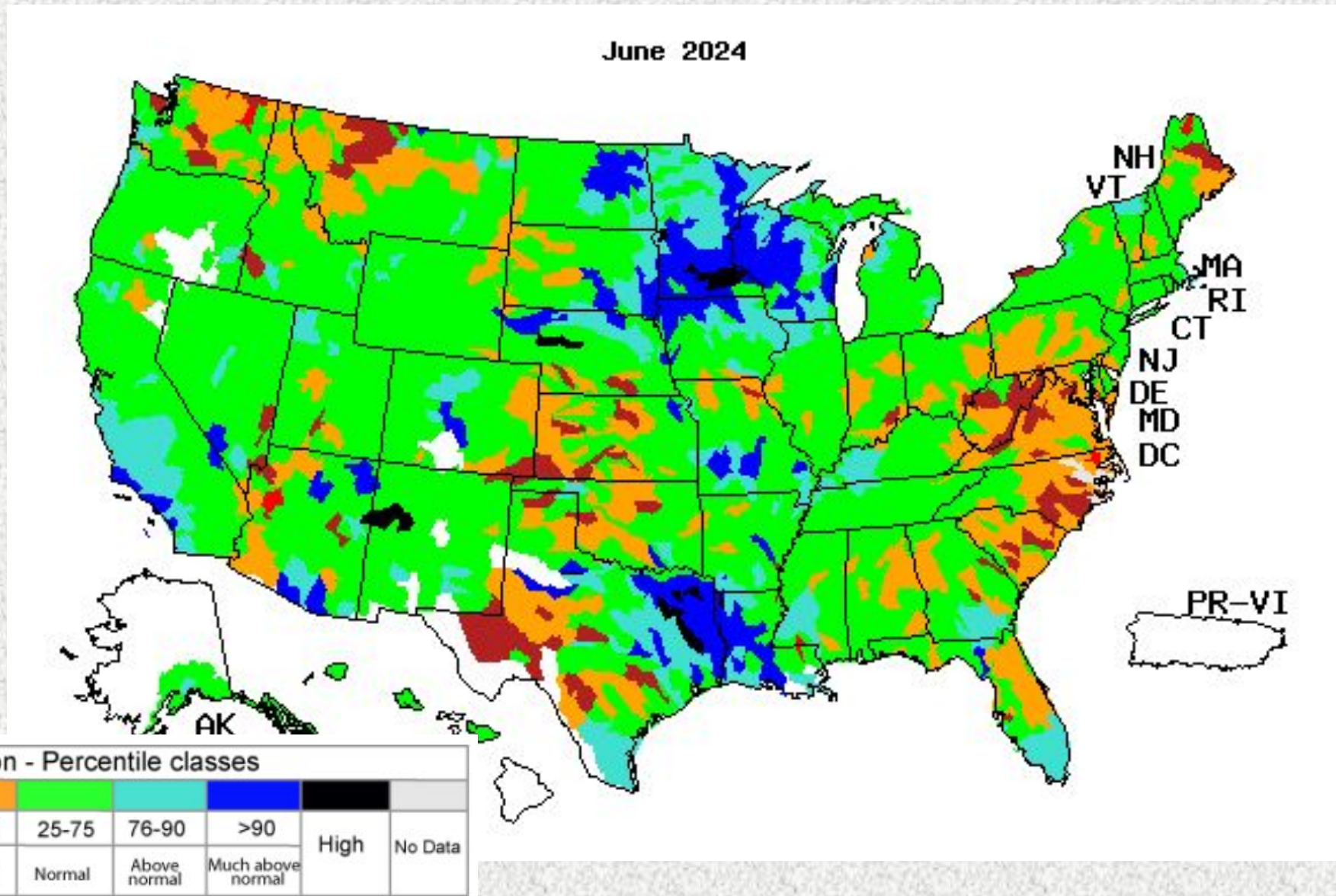
July 2024



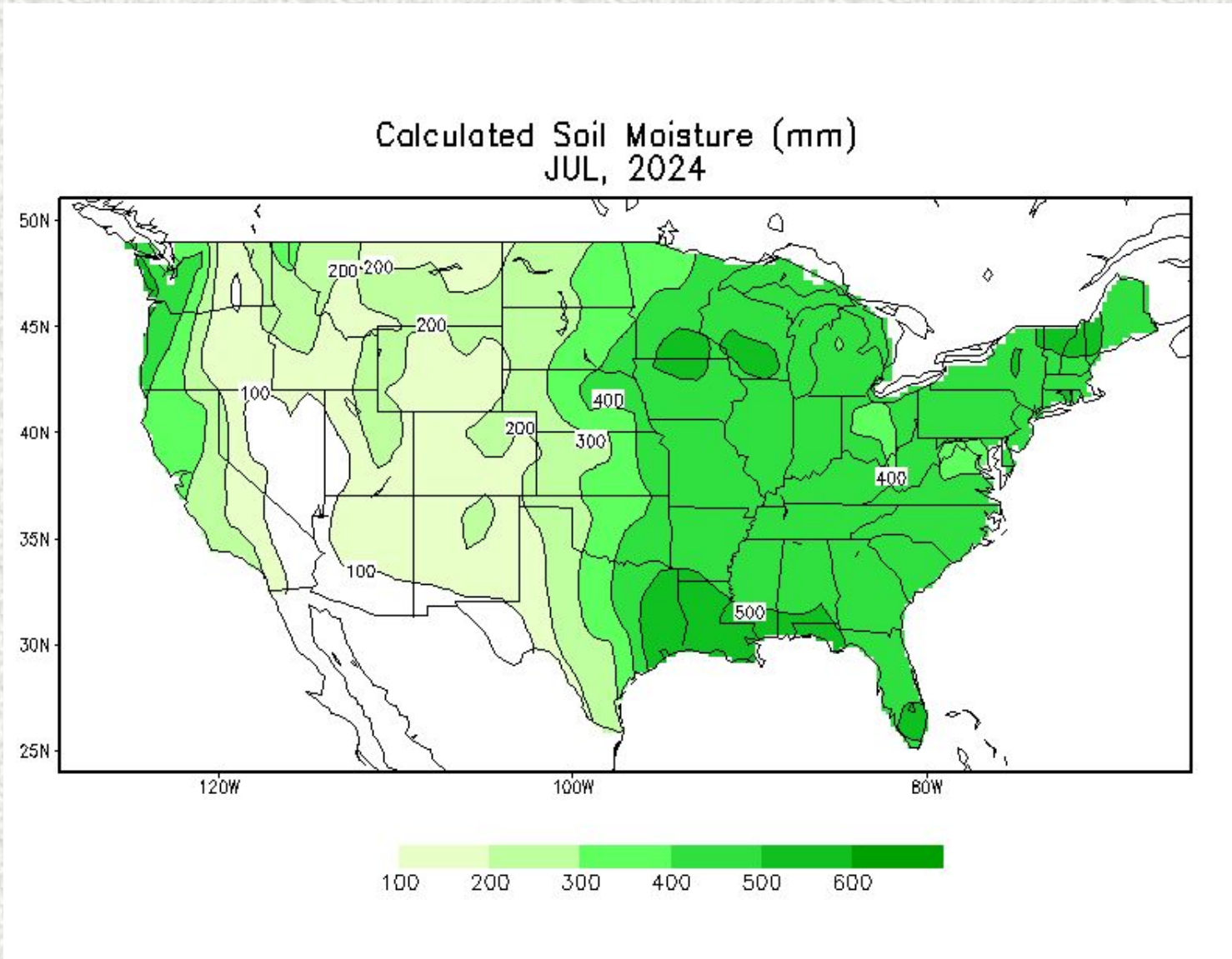
Explanation - Percentile classes

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

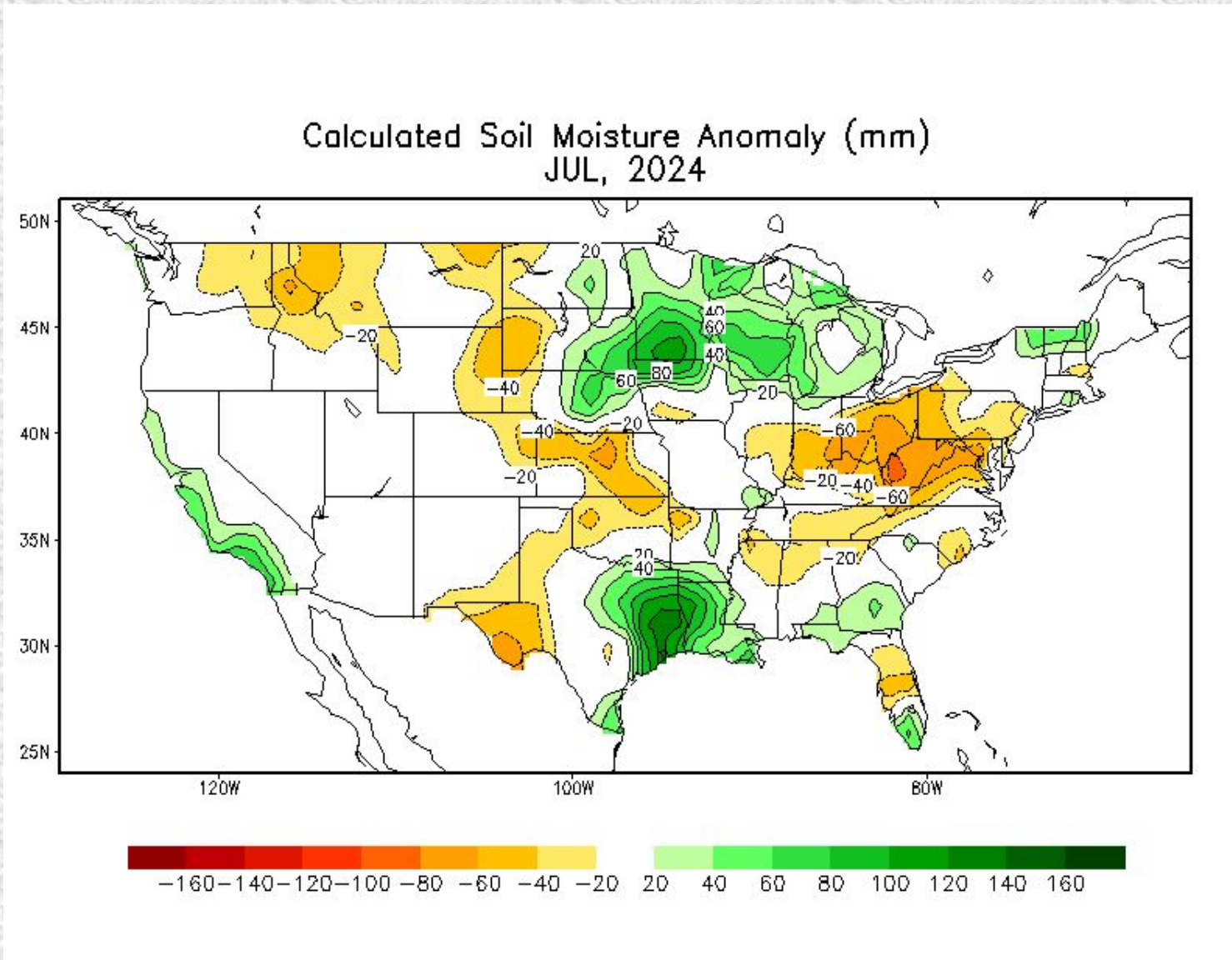
Previous Monthly Average Streamflow



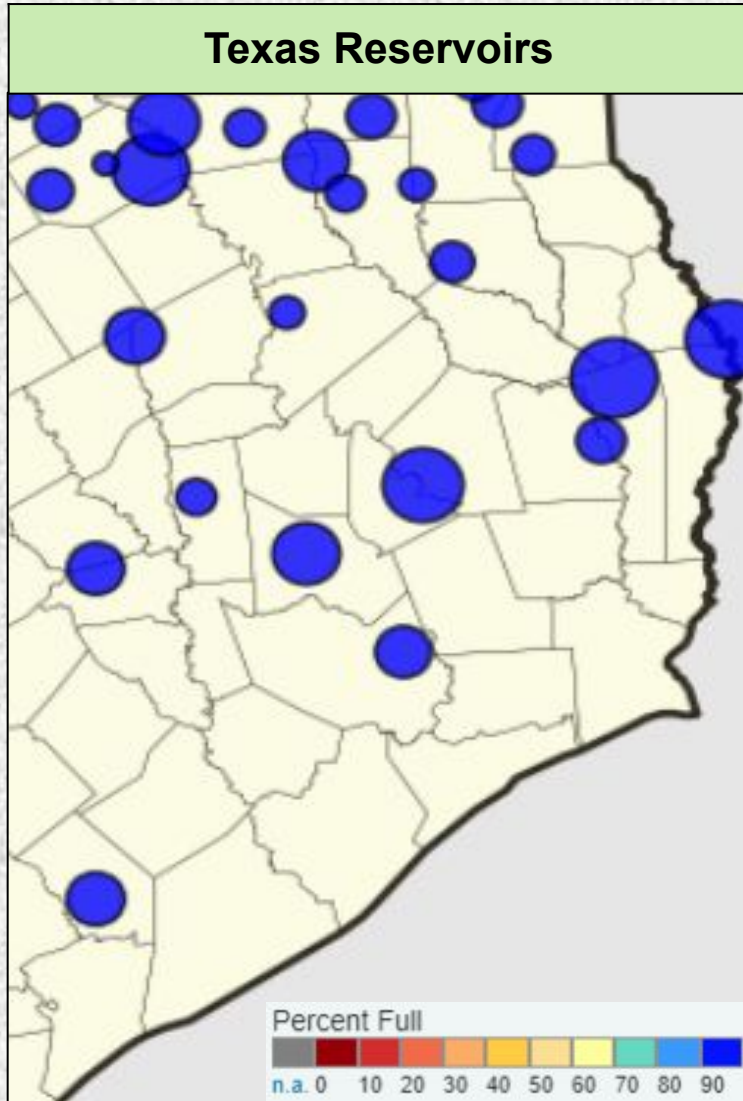
Soil Moisture



Soil Moisture Anomaly



Reservoir Status



Reservoir	Percent Full Conservation Storage
Houston County Lake	100.0%
Lake Livingston	100.0%
Lake Conroe	100.0%
Lake Houston	100.0%
Gibbons Creek Reservoir	96.8%
Lake Somerville	100.0%
Lake Texana	99.9%

Data added on: August 3, 2024 at 10:00 am CDT

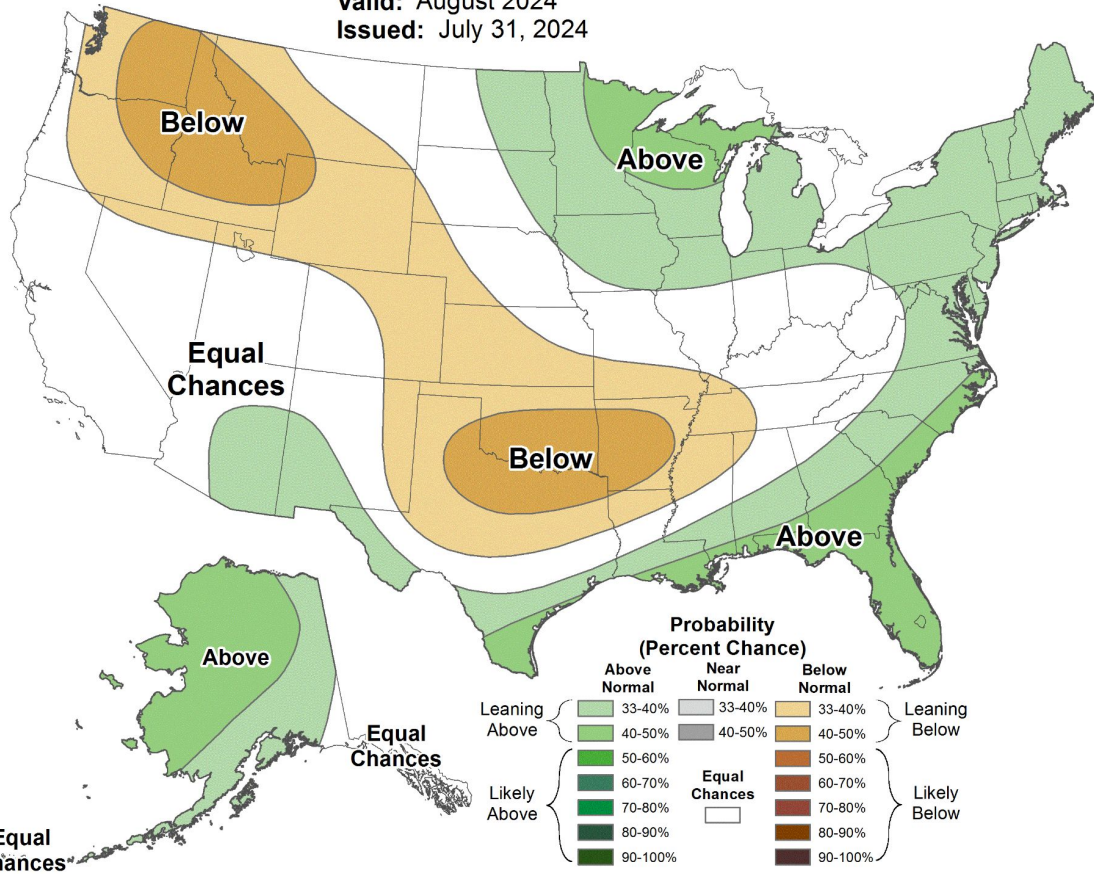
Precipitation Outlooks



Monthly Precipitation Outlook



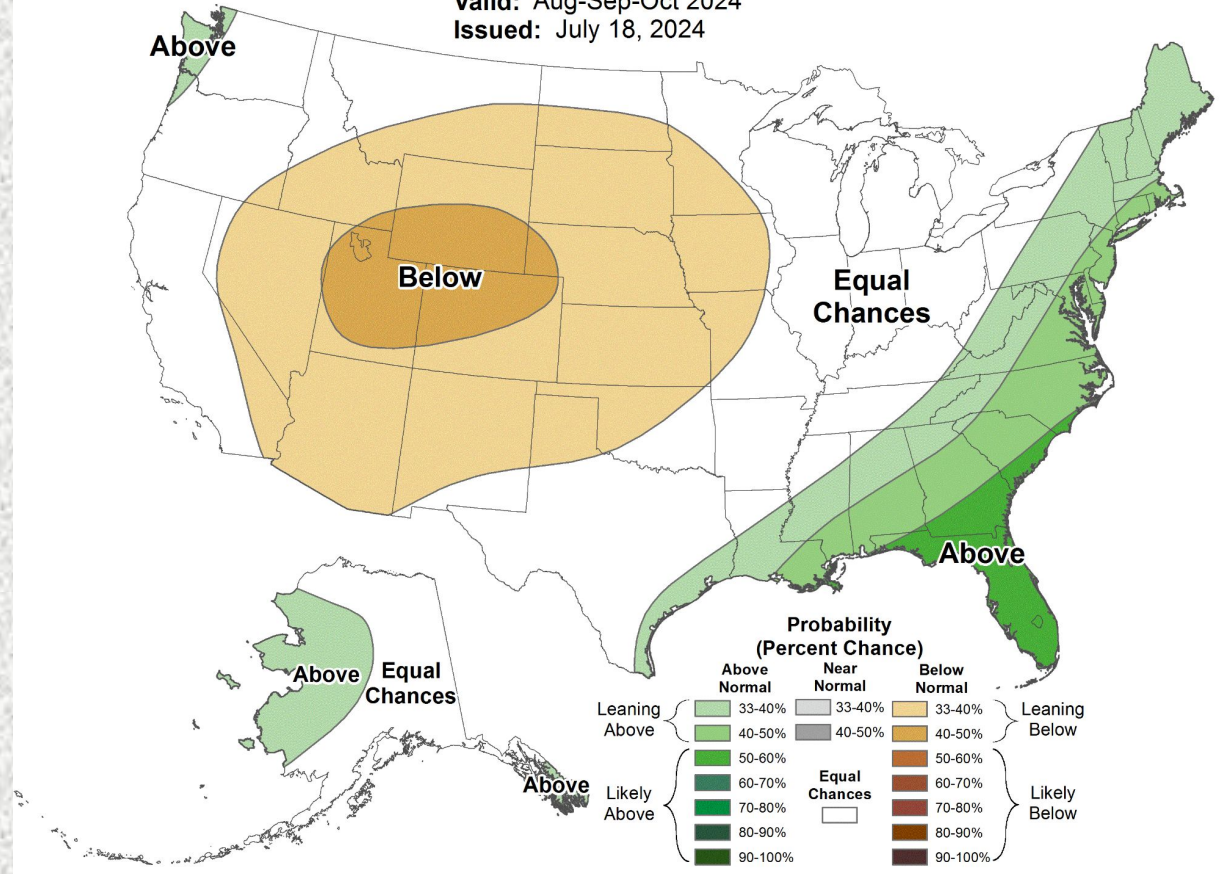
Valid: August 2024
Issued: July 31, 2024



Seasonal Precipitation Outlook



Valid: Aug-Sep-Oct 2024
Issued: July 18, 2024



Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	2 (ETN: 008-009)
Flash Flood Warning (FFW)	19 (ETN: 050-068)
Flash Flood Statement (FFS)	10
Areal Flood Warning	13 (ETN: 033-045)
River Flood Warnings (FLW)	47 (ETN: 110-156)
River Flood Statements	105
Flood Advisories (FLS)	63 (ETN: 087-149)
Probabilistic Hydrologic Outlook (ESF)	6